

Catalogue Price List
2024

Heating, Plumbing and Ecoenergy – EN01

comfort delivered by EMMETI

Catalogue Price List
2024

comfort delivered by EMMETI

PURMO
GROUP

European leader in providing **comfort solutions** for a sustainable indoor climate



We manufacture and distribute globally
from **46** plants in **21** countries to customers from **100** countries.

Providing comfort is our promise to all our partners.
It has to do with out dedication and ability to listen to and meet
the needs of our employees, our customers and the end users.

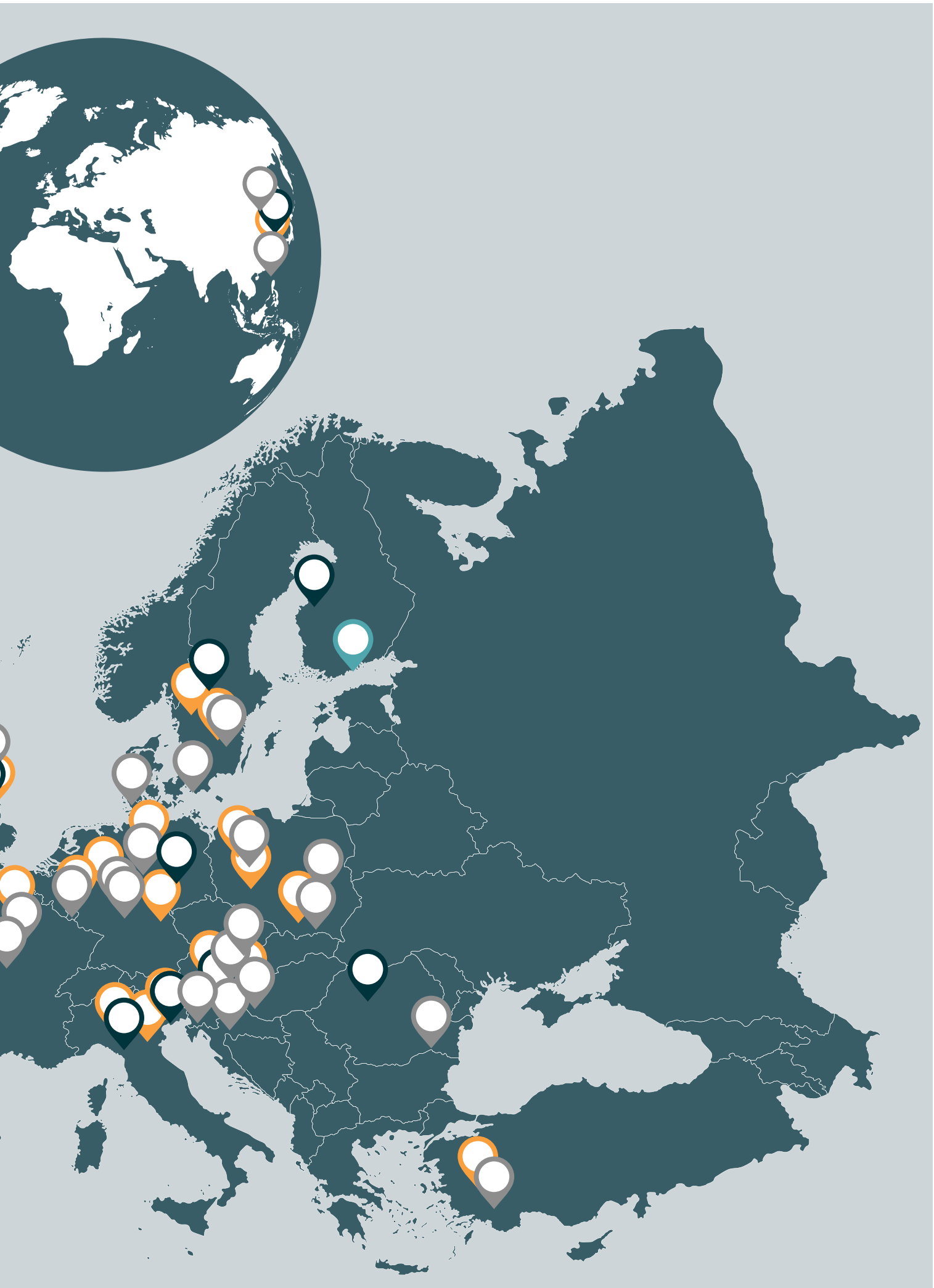
Purmo Group provides comfort by doing things in the smartest way,
always in line with and ahead of its competitors.
We provide comfort:

- Allowing our people to grow,
  guaranteeing safety at all times;
- Designing stimulating products that are accessible to many;
- Always putting our customers at the centre;
- Keeping an eye on the future to ensure the sustainability of our business.



We are Purmo Group - Comfort delivered

Headquarters
Factory
Shop and sales office
Sales office





Our promise

Comfort delivered

The indoors. The place where we spend so much time, where we learn, sleep, relax, share. This is where we live.
That is why a healthy and comfortable indoor climate is so important.
In a world facing unprecedented climate challenges population growth
and the need to make better use of resources, it is essential to guarantee sustainability.

Committed to innovation, our approach to system and solution allows us to provide di fornire un riscaldamento ottimale optimal heating at the highest levels of comfort and energy efficiency.
With our complete range and the knowledge of our experts, we can help you find exactly the right solution.
Therefore we work together today to create innovative solutions that will meet the indoor climate challenges of tomorrow.
We improve the indoor climate as we know it.

Let's create the great indoors.

Comfort


delivered by ...
EMMETI

Our home of commercial Brand

Our brand represents an overview of
our vision and promise to our customers.
The four cornerstones of the brand show our intention
to achieve this goal and define the change we want to lead.



Improvement of efficiency

Optimisation of energy efficiency thanks to the precision of the system



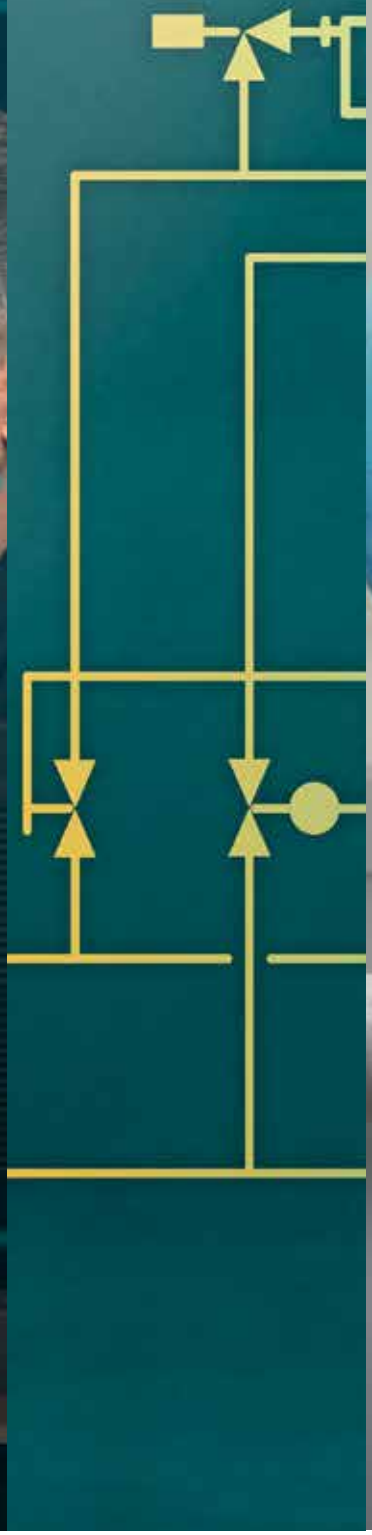
Improvement of integration

We integrate solutions into innovative systems for better performance



Smarter work

We work together **and we work in a smarter manner**



Reduction of the environmental impact

We concentrate on the entire life cycle of the product and **reduce its impact on our climate**





Vanguard
"Made in Italy"

The entire production of EMMETI Group takes place in Italy, on a total area of 54,000 square meters.
Plants in Brescia, an area of about 10,000 square meters, are made all the semi-finished products in brass and the hydraulic line, with the use of equipment and numerical control machines of the latest generation.
By factories located in the province of Pordenone, instead leaving all the products of the line heating.
In particular it is here that are installed production lines of the multilayer pipe, in a factory of 10,000 square meters, dedicated and newly built.
The cycle ends in storage warehouses, where it is taken care of even the phase of the logistics group





Company **Certification**

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 - ISO 14001
ISO 45001

1997: Certified Quality System according to ISO 9002:1994
2002: Certified Quality System according to ISO 9001:2000
2003: Environmental System according to ISO 14001:1996
2006: Environmental System according to ISO 14001:2004
2009: Certified Quality System according to ISO 9001:2008
2017: Environmental System according ISO 14001:2015
2017: Certified Quality System according to ISO 9001:2015
2019: Health and Safety System according to ISO 45001:2018

This standard requires continuous improvement in all ex-ecutive processes, from product and system design right through to marketing and technical support.
For EMMETI, the principles expressed in this policy come before everything else.
For this reason research and development are of fundamental importance within the company.
The quality of EMMETI products is also recognised by various European standards institutes.



DVGW CERT DIN DVGW CERT

Europe/Germany

kiwa UNI

kiwa EN IEC 61215 EN IEC 61730

Europe/Italy

kQ kiwaQuality

Europe/Italy

WRAS

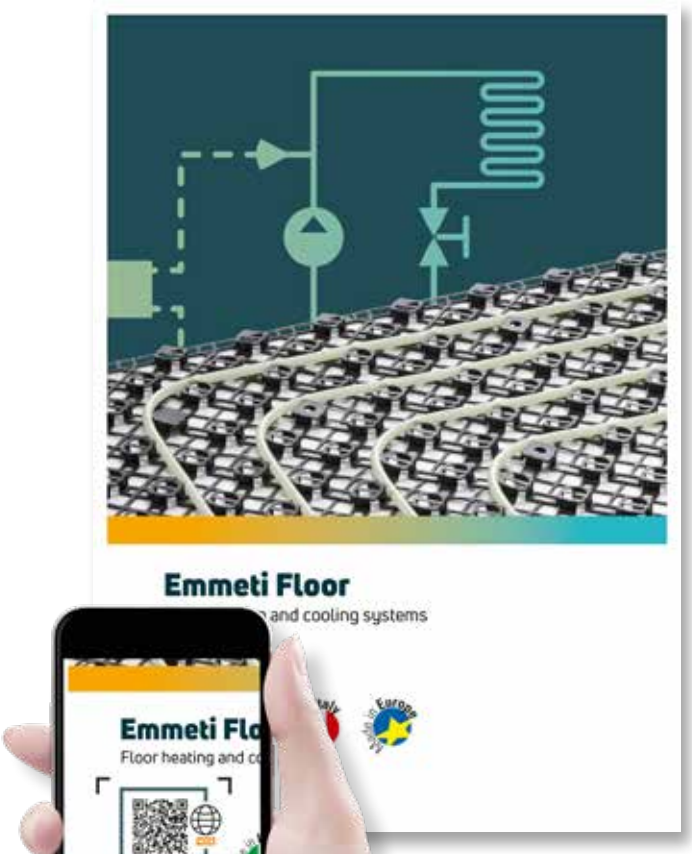
England UK

SKZ Das Kunststoff-Zentrum

Germany

From **paper** to the **web...** with just a few **clicks!**

Emmeti presents the new 2023 interactive paper catalogue
in line with the Purmo Group sustainability programme.
A simple and complete catalog of contents that can be consulted
directly from the new corporate website.
Scan the QR code in the paper catalog...
access the dedicated web page...
select, download, share or view the digital document!







Emmeti enters the world of **BIM!**

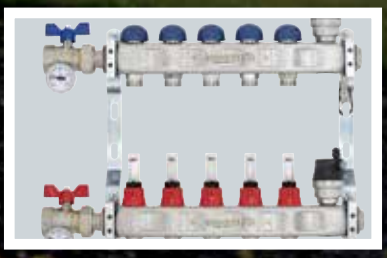
EMMETI, sensitive to the needs of thermotechnical studies and to the evolution of design methodologies, constantly develops BIM objects for its products and systems.
By using BIM "Building Information Modelling", the designer can avail him/herself of a series of advantages for his/her own professional development, such as:

- designing an integrated building-plant system in 3D in an accurate, fast and flexible manner;
- using elements that are accurately shaped like the real product;
- being able to offer the best system solutions in relation to architectural needs;
- predicting and preventing possible installation issues during the design phase (difficulty in installing electrical and plumbing systems, crossing walls and floors, etc.);
- creating a design accompanied by a significant amount of data, which will allow for specifications, metric calculations, etc. to be drawn up quickly;
- having available all the technical information required to plan an effective and efficient maintenance schedule.

Emmeti home
Solutions for indoor climate comfort



Sanitary distribution



Manifolds and motorized ball valves



Consumption measuring



Floor/Wall/Ceiling cooling system



Control and regulation



Solar systems



Regulation groups



Gas systems

1 Gerpex, Alpert, Gaspex - Multilayer distribution systems for water and gas

2 Floor heating and cooling systems

3 Wall and ceiling heating and cooling systems

4 Manifolds, boxes and Mixing groups

5 Regulation and control

6 Consumption measuring systems

7 Connection and control of heating units

8 Seals and screw fittings

9 Gas ball valves

10 Tanks, solar panels and accessories for solar systems

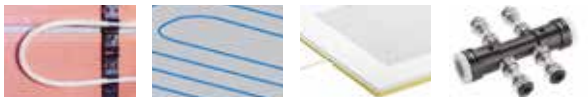
11 Heating unit components

12 Spare parts and accessories

13 Technical attachments













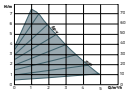














Gerpex, Alpert, Gaspex

Multilayer distribution systems for water and gas

WEB

SCAN

> Gerpex pipe
bare, insuladed, in bars



24

> Gerpex RA pipe
bare, insuladed, in bars



26

> Alpert pipe
bare, insulated, in bars



29

> Press fitting and
Built-in Gerpex valve LBP



31

> Press fittings
and Built-in Gerpex valve



43

> Gaspex pipe
bare, in bars, corrugated sheat



53

> Multi-layer Gaspex pipe UV protection



56

> Gaspex press fittings



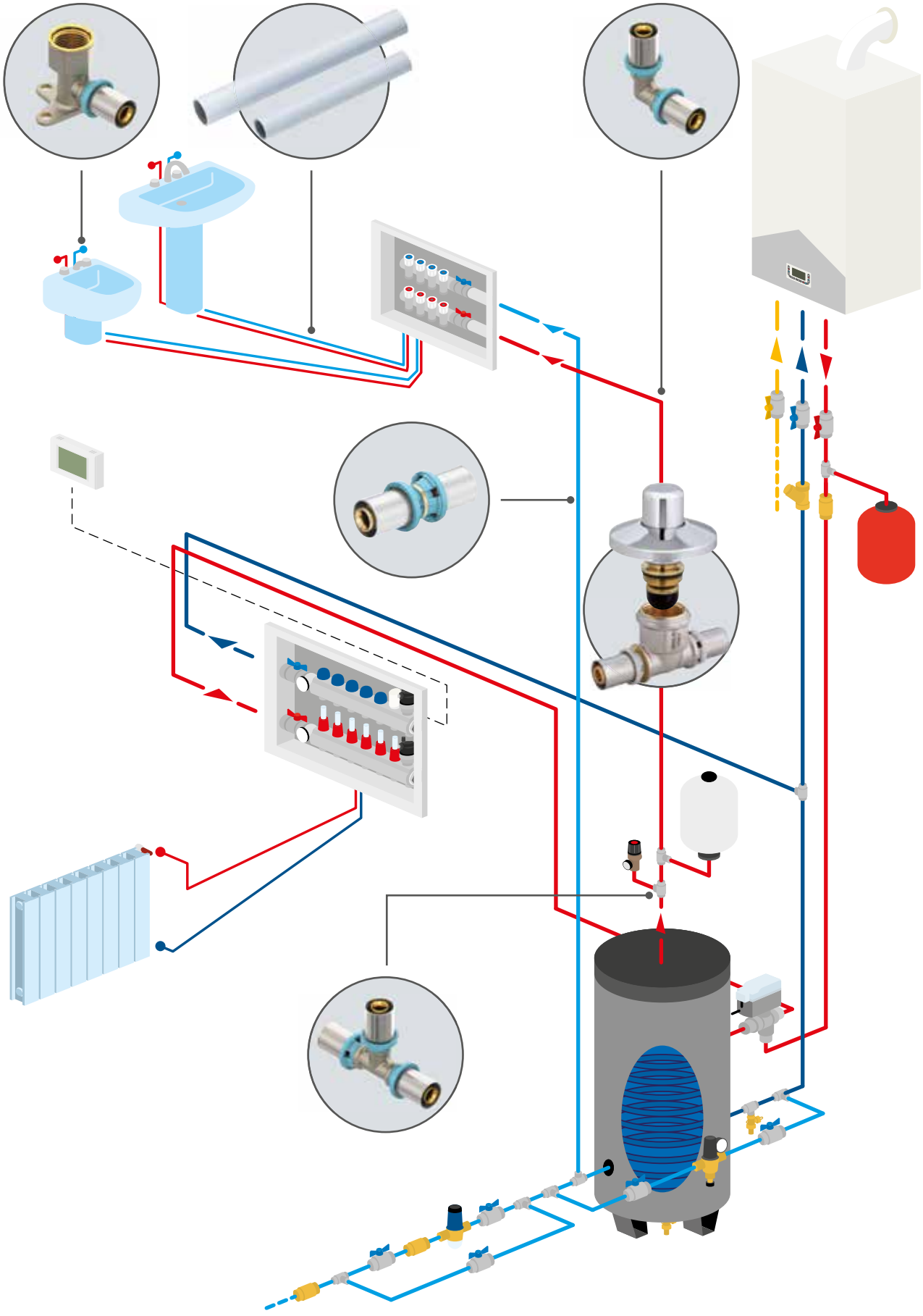
57

> Gerpex / Gaspex tooling



61

Example of installation



Multi-layer systems for water

Sanitary hot water distribution systems



Emmeti systems consisting of multilayer pipes and brass press fittings represent the modern and efficient solution for the construction of bathroom fixtures, heating and cooling systems.
Among the countless advantages, the following can be identified: high resistance to high temperatures and pressures, low thermal expansion (comparable to that of a copper pipe), low pressure drops, resistance to crushing and abrasion, oxygen impermeability (thanks to the presence of an aluminium layer inside the pipes), resistance to electrochemical corrosion (thanks to the presence of a special dielectric element inside the fittings) and, finally, its reduced weight and fast installation.
Basically, multilayer pipes combine the traditional processing and durability advantages of a plastic pipe, with the strength and dimensional stability to high temperatures and pressures that characterise a metal pipe

The Emmeti product range

The Emmeti product range is quite wide and diversified, and consists of 3 types of multilayer pipes and 2 types of brass press fittings.

Only the trade names of the products are mentioned here; for details on their construction characteristics, their differences and the complete range, refer to what is indicated on the following pages.

Multilayer pipes:
- pipes **Gerpex**;
- pipes **Gerpex RA**;
- pipes **Alpert**.

Brass press fittings:
- fittings **Gerpex**;
- fittings **Gerpex LBP**.

Emmeti multilayer water system certifications

Systems consisting of GERPEX PIPE and press fittings

- kiwa UNI : system certification (according to UNI EN ISO 21003) in combination with Gerpex fittings in sizes Dn 16,20, 26, 32, 75.
- WRAS : system certification in combination with Gerpex fittings size Dn 40, Dn 50, Dn 63, Dn 75.

Systems consisting of GERPEX RA PIPE and press fittings

- kiwa UNI : system certification (according to UNI EN ISO 21003) in combination with Gerpex and GerpexLBP fittings in sizes Dn 16, 20, 26, 32.
- WRAS : system certification in combination with Gerpex and Gerpex LBP fittings in sizes Dn 16, 20, 26, 32.

Systems consisting of ALPERT PIPE and press fittings

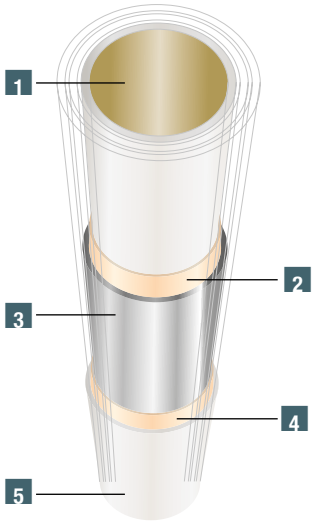
- kiwa UNI : system certification (according to UNI EN ISO 21003) in combination with Gerpex and Gerpex LBP fittings in sizes Dn 16, 20.
- DVGW : system certification (according to UNI EN ISO 21003) in combination with Gerpex LBP fittings in sizes Dn 16, 20, 26, 32, and in combitation with Gerpex fittings in sizes Dn 40, 50, 63.
- DVGW : system certification (according to the Regulation W534) in combination with Gerpex and Gerpex LBP fittings in sizes Dn 16, 20.
- WRAS : system certification in combination with Gerpex LBP fittings in sizes DN 16, 20, 26, 32, and in combination with Gerpex fittings in sizes DN 40, 50, 63.

All of the above systems comply with Italian Ministerial Decree 174/2004 (Suitability for contact with drinking water, for the distribution of water intended for human consumption).

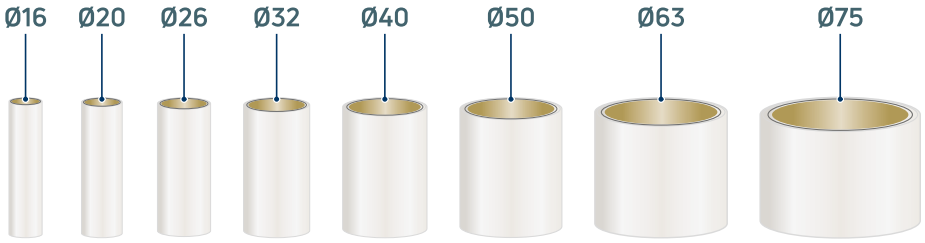
Gerpex pipe

Multilayer composite pipe Gerpex





SCAN WEB



Construction

1. Cross-linked polyethylene inner pipe (PE-Xb).
2. Bonding layer connecting the inner pipe to the aluminium pipe.
3. Butt-welded aluminium pipe, thickness min 0,3 mm.
4. Bonding layer connecting the outer pipe to the aluminium pipe.
5. Cross-linked polyethylene outer pipe (PE-Xb).

Technical data Gerpex pipe

Classes of application (UNI ISO 21003 - see table "Classification of conditions of use" in the section "Technical attachments"): 2/10 bar, 5/10 bar
Maximum operating conditions for 50 years:
- Design temperature T_D = 70 °C
- Design pressure p_D = 10 bar

Maximum temperature for short periods: 95 °C
Coefficient of linear expansion: 0,026 mm/m °C
Thermal conductivity: 0,45 W/m °C
Minimum radius of bending: 5 x Ø pipe
Surface roughness of internal pipe: 7 µm
Fire reaction class: E_L (EN 13501-1)

Technical data of insulating sheath

Material: Closed-cell expanded polyethylene, covered with a film in extruded LD-PE.
Thermal conductivity (at 40 °C): ≤ 0.040 W/mK (UNI EN ISO 8497).
Water vapor resistance factor µ: 5000
Fire reaction class: B_L - s2, d0 (EN 13501-1).
Thickness of covering: Compliant with attachment B- TAB 1 of Italian Presidential Decree 412/93 for pipes that run within structures that do not face onto the exterior, nor onto heated rooms.

See introductory page Multilayer Water Systems (page 23) for details.

Classification of service conditions (UNI EN ISO 21003-1) and regression curves: see section Technical Attachments.



UNI EN ISO 21003

Gerpex bare pipe in coils

Dimension	Mts. pack	Code	Price €
16 x 2	100	28105000	2,12
20 x 2	200	28105002	3,29
20 x 2	100	28105004	3,29
26 x 3	50	28105006	5,79
32 x 3	50	28105008	8,42



UNI EN ISO 21003

Gerpex preinsulated pipe in coils

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2	6 mm	100	28105100	2,92
16 x 2	6 mm	50	28105116	2,92
20 x 2	6 mm	50	28105104	4,28
20 x 2	9 mm	50	28105106	4,55
26 x 3	9 mm	50	28102882	8,86
32 x 3	9 mm	25	28102576	12,70

16x2 (6 mm) - 20x2 (9 mm) - 26x3 (9 mm) - 32x3 (9 mm):
Type installations C (see Insulation, section Heating unit components)



UNI EN ISO 21003

Gerpex bare pipe in 4 mt bars

Dimension	Mts. pack	Code	Price €
16 x 2 (*)	96	28108000	2,45
20 x 2 (*)	96	28108004	3,75
26 x 3 (*)	40	28108006	6,79
32 x 3 (*)	28	28108008	10,12
40 x 3,5	20	28100096	18,28
50 x 4	20	28100098	25,00
63 x 4,5	12	28100100	43,69
75 x 5	12	28100070	67,41

(*) Packaged in rigid protective pipe



Galvanised steel isophonic pipe clamp collar

Dimension (mm)	Dimension (Inch)	Pcs. pack	Code	Price €
15-19	3/8"	10	01241500	2,26
20-24	1/2"	10	01241502	2,37
23-28	3/4"	10	01241504	2,44
31-36	1"	10	01241506	2,66
38-44	1"1/4	5	01241508	2,92
44-50	1"1/2	5	01241510	3,22
54-58	-	5	01241512	3,79
NEW 62-67	-	5	01241516	2,70
74-80	2"1/2	5	01241514	4,12

20x1.5 mm metal plate, M8/10 nut



Joint screw with rawlplug

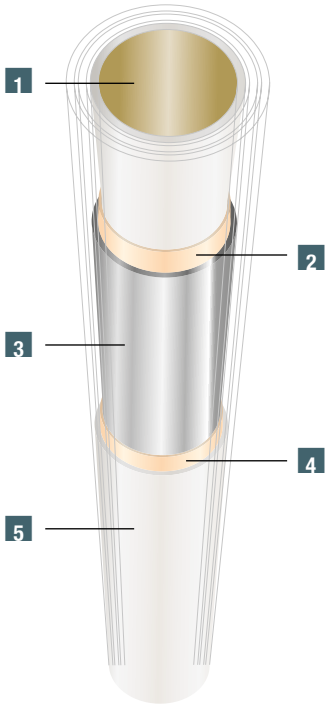
Dimension	Pcs. pack	Code	Price €
Ø 8 x 90	10	01241520	0,47

Ø 10 x 60 rawlplug

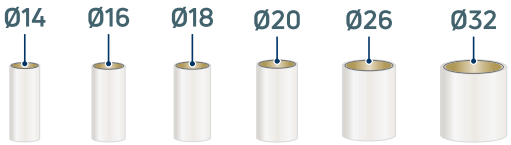
Gerpex RA pipe

Multilayer composite pipe Gerpex RA





SCAN WEB



Construction

1 Cross-linked polyethylene inner pipe (PE-Xb).
2 Bonding layer connecting the inner pipe to the aluminium pipe.
3 Butt-welded aluminium pipe, thickness min 0,2 mm.
4 Bonding layer connecting the outer pipe to the aluminium pipe.
5 Cross-linked polyethylene outer pipe (PE-Xb).

Technical data Gerpex RA pipe

Classes of application (UNI ISO 21003 - see table "Classification of conditions of use" in the section "Technical attachments"): 2/10 bar, 5/10 bar
Maximum operating conditions for 50 years:
- Design temperature T_D = 70 °C
- Design pressure p_D = 10 bar
Maximum temperature for short periods: 95 °C
Coefficient of linear expansion: 0,026 mm/m °C
Thermal conductivity: 0,45 W/m °C
Minimum radius of bending: 5 x Ø pipe
Surface roughness of internal pipe: 7 µm
Fire reaction class: E_L (EN 13501-1)

Technical data of insulating sheath

Material: Closed-cell expanded polyethylene, covered with a film in extruded LD-PE.
Thermal conductivity (at 40 °C): ≤ 0,040 W/mK (UNI EN ISO 8497).
Water vapor diffusion resistance factor µ: 5000
Fire reaction class: B_L - s2, d0 (EN 13501-1).
Thickness of covering (UNI 10376): Compliant with attachment B- TAB 1 of Italian Presidential Decree 412/93 for pipes that run within structures that do not face onto the exterior, nor onto heated rooms.

See introductory page Multilayer Water Systems (page 23) for details

Classification of service conditions (UNI EN ISO 21003-1) and regression curves: see section Technical Attachments.

Multilayer composite pipe Gerpex RA



UNI EN ISO 21003

Gerpex RA bare pipe in coils

Dimension	Mts. pack	Code	Price €
14 x 2 (*)	100	28102314	1,99
16 x 2	100	28106000	1,78
16 x 2	200	28106010	1,78
16 x 2	500	28106050	1,78
18 x 2	100	28102318	2,72
20 x 2	100	28106004	2,43
20 x 2	200	28106002	2,43
26 x 3	50	28106006	5,41
32 x 3	50	28106008	6,71

(*) Items to be out of stock



UNI EN ISO 21003

Gerpex RA preinsulated pipe in coils

Dimension	Insulation thickness	Mts. pack	Code	Price €
14 x 2 (*)	6 mm	50	28102336	2,70
14 x 2 (*)	6 mm	100	28102334	2,70
16 x 2	6 mm	50	28106108	2,61
16 x 2	6 mm	100	28106100	2,61
18 x 2 (*)	6 mm	50	28102340	3,55
18 x 2	6 mm	100	28102338	3,55
20 x 2	6 mm	50	28106104	3,63
20 x 2	9 mm	50	28106106	3,95
26 x 3	9 mm	50	28102880	7,89
32 x 3	9 mm	25	28102872	10,39

16x2 (6 mm) - 20x2 (9 mm) - 26x3 (9 mm) - 32x3 (9 mm): **Type installations C**
(see Insulation, section Heating unit components)
(*) Items to be out of stock



UNI EN ISO 21003

Gerpex RA preinsulated pipe in coils

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2 red	6 mm	100	28106140	2,69
16 x 2 blue	6 mm	100	28106142	2,69
20 x 2 red	6 mm	50	28106144	3,77
20 x 2 blue	6 mm	50	28106146	3,77
26 x 3 red	9 mm	50	28102884	7,89
26 x 3 blue	9 mm	50	28102886	7,89
32 x 3 red	9 mm	50	28102892	10,39
32 x 3 blue	9 mm	50	28102894	10,39

16x2 (6 mm): **Type installations C** (see Insulation, section Heating unit components)



UNI EN ISO 21003

Gerpex RA preinsulated pipe in coils

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2	10 mm	50	28102540	2,93
20 x 2	13 mm	50	28102542	4,31
26 x 3	13 mm	25	28102870	8,17
32 x 3	13 mm	25	28102874	10,75

20x2 (13 mm) - 26x3 (13 mm) - 32x3 (13 mm): **Type installations C**
16x2 (10 mm): **Type installations B** (see Insulation, section Heating unit components)



UNI EN ISO 21003

Gerpex RA double (red + blue) preinsulated pipe

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2	6 mm	50	28102370	7,06
20 x 2	6 mm	50	28102372	8,79

Available on request: 40/50 days to order confirm.

Minimum lot: 10.000 meters

Multilayer composite pipe Gerpex RA



UNI EN ISO 21003

Gerpex RA bare pipe in 4 mt bars

Dimension	Mts. pack	Code	Price €
16 x 2	96	28108010	2,27
20 x 2	96	28108014	3,22
26 x 3	40	28108016	5,89
32 x 3	28	28108018	8,71

Packaged in rigid protective pipe



UNI EN ISO 21003

Gerpex RA pipe with red corrugated sheath in coils

Dimension	Mts. pack	Code	Price €
16 x 2	50	28102350	3,09
20 x 2	50	28102356	4,01
26 x 3	50	28102354	6,15

Available on request: 40/50 days to order confirm
Ø 16 = minimum lot 10.000 meters.
Ø 20 = minimum lot 5.000 meters.
Ø 26 = minimum lot 2.000 meters.



UNI EN ISO 21003

Gerpex RA pipe with blue corrugated sheath in coils

Dimension	Mts. pack	Code	Price €
16 x 2	50	28102360	3,09
20 x 2	50	28102366	4,01
26 x 3	50	28102364	6,15

Available on request: 40/50 days to order confirm
Ø 16 = minimum lot 10.000 meters.
Ø 20 = minimum lot 5.000 meters.
Ø 26 = minimum lot 2.000 meters.



UNI EN ISO 21003

Gerpex RA double (red + blue) with corrugated sheat

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2	6 mm	50	28102380	7,15
20 x 2	6 mm	50	28102382	8,77

Available on request: 40/50 days to order confirm.

Minimum lot: 10.000 meters



Galvanised steel isophonic pipe clamp collar

Dimension (mm)	Dimension (Inch)	Pcs. pack	Code	Price €
15-19	3/8"	10	01241500	2,26
20-24	1/2"	10	01241502	2,37
23-28	3/4"	10	01241504	2,44
31-36	1"	10	01241506	2,66
38-44	1"1/4	5	01241508	2,92
44-50	1"1/2	5	01241510	3,22
54-58	-	5	01241512	3,79
NEW 62-67	-	5	01241516	2,70
74-80	2"1/2	5	01241514	4,12

20x1.5 mm metal plate, M8/10 nut



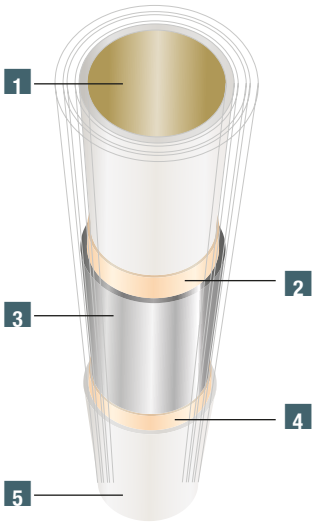
Joint screw with rawlplug

Dimension	Pcs. pack	Code	Price €
Ø 8 x 90	10	01241520	0,47

Ø 10 x 60 rawlplug

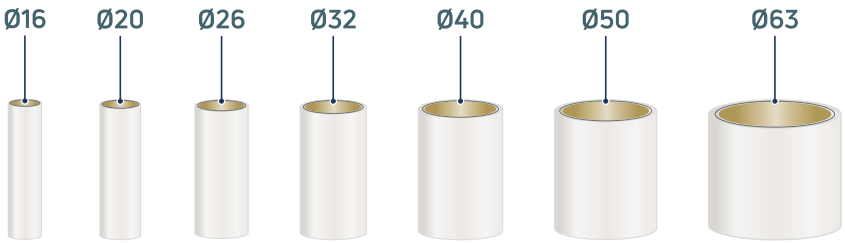
Multilayer composite pipe





WEB

SCAN



Construction

1 Inner pipe PE-RT
2 Bonding layer connecting the inner pipe to the aluminium pipe
3 Horizontal-roller-position welding
4 Bonding layer connecting the outer pipe to the aluminium pipe
5 External pipe PE-RT

Technical data of pipe

Classes of application (UNI EN ISO 21003 - see section Technical Attachments "Classification of service conditions"): 2/10 bar, 5/10 bar
Maximum operating conditions for 50 years:
- project temperature T_D = 70 °C
- project pressure p_D = 10 bar
Maximum temperature for short periods: 95 °C
Coefficient of linear expansion: 0,026 mm/m °C
Thermal conductivity: 0,45 W/mK
Minimum radius of bending: 5 x Ø pipe
Surface roughness of the inner tube: 7 µm
Fire reaction class: E_L (EN13501-1).

Technical data of insulating sheath

Material: Closed-cell expanded polyethylene, covered with a film in extruded LD-PE.
Thermal conductivity (at 40 °C): ≤ 0,040 W/mK (UNI EN ISO 8497).
Fire reaction class: B_L - s2, d0 (EN 13501-1).
Water vapor diffusion resistance factor µ: 5000
Thickness of covering (UNI 10376): Compliant with attachment B-TAB 1 of Italian Presidential Decree 412/93 for pipes that run within structures that do not face onto the exterior, nor onto heated rooms.

See introductory page Multilayer Water Systems (page 23) for details.

Classification of service conditions (UNI EN ISO 21003) and regression curves: see section Technical Attachments.

Multilayer composite pipe



UNI EN ISO 21003

Alpert nude pipe in coils

Dimension	Mts. pack	Code	Price €
16 x 2	100	28107002	1,57
16 x 2	200	28107000	1,72
16 x 2	500	28107004	1,72
20 x 2	100	28107016	2,34
20 x 2	240	28107018	2,34
26 x 3	50 mt	28107006	4,60
32 x 3	50 mt	28107008	5,70



UNI EN ISO 21003

Alpert preinsulated pipe in coils

Dimension	Insulation thickness	Mts. pack	Code	Price €
16 x 2	6 mm	50	28107102	2,52
16 x 2	6 mm	100	28107100	2,52
20 x 2	6 mm	50	28107104	3,48
20 x 2	9 mm	50	28107106	3,79
26 x 3 (*)	9 mm	50 mt	28142026	7,42
26 x 3	9 mm	50 mt	28107208	6,71
32 x 3	9 mm	25 mt	28107210	8,83

16x2 (6 mm) - 20x2 (9 mm) - 26x3 (9 mm) - 32x3 (9 mm): **Type installations C**
(see Insulation, section Heating unit components)
(*) Items to be out of stock



UNI EN ISO 21003

Alpert nude bare pipe in 4 mt bars

Dimension	Mts. pack	Code	Price €
32 x 3 (*)	28 mt	28142018	8,20
26 x 3	40 mt	28108036	5,51
32 x 3	28 mt	28108038	8,15
40 x 3,5	16 mt	28142020	15,00
50 x 4	20 mt	28142032	34,84
63 x 4,5	12 mt	28142034	53,94

Packed in a protective cardboard tube

(*) Items to be out of stock

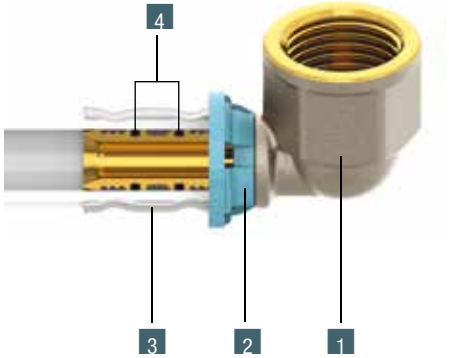
Press fittings Gerpex LBP

Press fittings for water Gerpex LBP

WEB

SCAN





Construction

1 Body in brass CW617N - DW (UNI EN 12164 and 12165); Threads: UNI EN ISO 228-1, UNI EN 10226.
2 Nylon sleeve ring, dielectric
3 AISI 304 stainless steel sleeve
4 EPDM dual o-ring

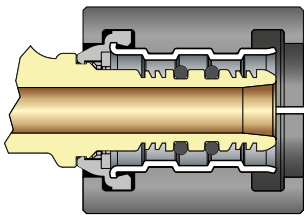
GERPEX LBP, the new press fitting for multilayer pipe by Emmeti, has been developed to guarantee a water loss, in case of non-pressing, and a quick and safe pipe-fitting junction, when pressed correctly with the specific equipment.

The special fitting profile and the use of the double o-ring guarantees a perfect and lasting hydraulic and mechanical seal, and compatibility with 5 different pressing profiles (TH, B, U, H, F). The LBP function (**Leak Before Pressed**) allows the operator to easily identify any unpressed fittings during the system leak test, thus avoiding possible damage.

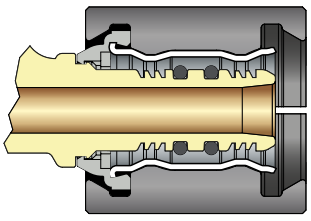
See introductory page Multi-Layer Water Systems (page 23) for details.

Compatible pressing profiles

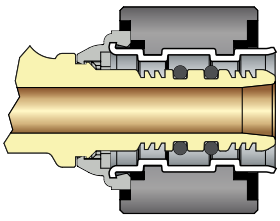
TH - KSP 11



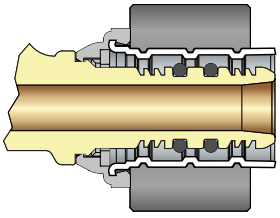
B - KSP 1



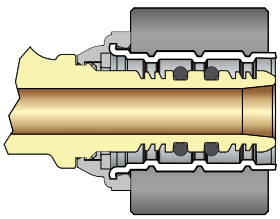
F - KSP 2



U - KSP 5



H - KSP 7



	16	20	26	32
TH	✓	✓	✓	✓
B	✓	✓	✓	✓
U	✓	✓	✓	✓
H	✓	✓	✓	✓
F	✓	✓	✓	✓

Press fittings for water Gerpex LBP



Female connecting elbow LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	10	28180088	4,91
20 x 1/2"	10	28180090	6,16
20 x 3/4"	10	28180092	8,51
26 x 3/4"	5	28180094	9,11
32 x 1"	5	28180096	16,61

Threads: Rp (UNI EN 10226-1)



Female elbow LBP with flange

Dimension	H mm	H mm	Pcs. pack	Code	Price €
16 x 1/2"	48		5	28180180	7,68
20 x 1/2"	48		5	28180182	7,99
20 x 3/4"	56		5	28180184	12,67
26 x 3/4"	56		5	28180186	12,84

Threads: Rp (UNI EN 10226-1)



Female elbow LBP H 52 with flange

Dimension	H mm	Pcs. pack	Code	Price €
16 x 1/2"	52	5	28181204	9,86
20 x 1/2"	52	5	28181206	10,10

Threads: Rp (UNI EN 10226-1)



Soundproofing shell for LBP female elbow H 52 mm with flange, including screw kit

Dimension	Pcs. pack	Code	Price €
Single model for H 52	1	28181230	14,69



Long Female elbow LBP with flange

Dimension	H mm	H mm	Pcs. pack	Code	Price €
16 x 1/2"	68		5	28180188	8,35
20 x 1/2"	68		5	28180190	8,60

Threads: Rp (UNI EN 10226-1)



Long Female elbow LBP H 78 mm with flange

Dimension	H mm	Pcs. pack	Code	Price €
16 x 1/2"	78	5	28181208	13,16
20 x 1/2"	78	5	28181210	13,33

Thread: Rp (UNI EN 10226-1)



Soundproofing shell for LBP female elbow H 78 mm with flange, including screw kit

Dimension	Pcs. pack	Code	Price €
Single model for H 78	1	28181232	15,31



Male connecting elbow LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	10	28180078	4,91
20 x 1/2"	10	28180080	6,17
20 x 3/4"	10	28180082	8,25
26 x 3/4"	5	28180084	9,11
26 x 1"	5	28180085	15,38
32 x 1"	5	28180086	15,71

Threads: Rp (UNI EN 10226-1)



Intermediate elbow LBP

Dimension	Pcs. pack	Code	Price €
16 x 16	10	28181070	5,52
20 x 20	10	28181072	7,93
26 x 26	5	28181074	11,40
32 x 32	5	28181076	17,89



45° elbow LBP intermediate

NEW

Dimension	Pcs. pack	Code	Price €
26 x 26	5	28180262	20,65
32 x 32	5	28180260	21,53

Press fittings for water Gerpex LBP



Elbow LBP with female swivel nut, flat seal

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	1	28180098	6,64
NEW 16 x 3/4"	1	28180252	10,88
NEW 20 x 1/2"	1	28180254	10,90
20 x 3/4"	1	28180100	10,03
NEW 26 x 3/4"	1	28180256	11,84
NEW 26 x 1"	1	28180258	18,24

Threads: G (UNI EN ISO 228-1)



Female double elbow LBP H 52 mm with flange

Dimension	H mm	Pcs. pack	Code	Price €
16 x 1/2"	52	1	28180210	41,60
20 x 1/2"	52	1	28180212	42,58

Threads: Rp (UNI EN 10226-1)



Soundproofing shell for LBP double female elbow H 52 mm with flange, including screw kit

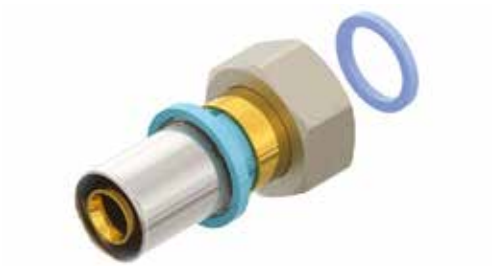
Dimension	Pcs. pack	Code	Price €
Double model for H 52	1	28181240	15,25



Straight LBP with female swivel nut, o-ring seal

Dimension	Pcs. pack	Code	Price €
Ø 16 - 24x19 O-R	10	28180062	5,38
Ø 20 - 24x19 O-R	10	28180064	7,31
Ø 16 - Eurocone 3/4" O-R	10	28180066	7,08
Ø 20 - Eurocone 3/4" O-R	10	28180068	7,87

Threads 3/4": G (UNI EN ISO 228-1)



Straight LBP with female swivel nut, flat seal

Dimension	Pcs. pack	Code	Price €
16 x 3/8"	1	28180046	5,41
16 x 1/2"	1	28180048	6,36
16 x 3/4"	1	28180050	7,56
20 x 1/2"	1	28180052	7,22
20 x 3/4"	1	28180054	7,57
26 x 3/4"	1	28180056	7,81
26 x 1"	1	28180058	9,53
32 x 1"	1	28180060	10,76

Threads: G (UNI EN ISO 228-1)



Intermediate Tee joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 16 x 16	5	28181102	7,82
20 x 20 x 20	5	28181104	10,42
26 x 26 x 26	5	28181106	16,61
32 x 32 x 32	5	28181108	26,75



Intermediate Tee joint LBP with female branch

Dimension	Pcs. pack	Code	Price €
16 x 1/2" x 16	5	28180166	7,81
20 x 1/2" x 20	5	28180168	8,60
16 x 3/4" x 16	5	28180170	12,42
20 x 3/4" x 20	5	28180172	13,86
26 x 1/2" x 26	5	28180173	16,61
26 x 3/4" x 26	5	28180174	19,67
32 x 1/2" x 32	5	28180244	26,06
32 x 3/4" x 32	5	28180176	26,75
32 x 1" x 32	5	28180178	25,68

Threads: Rp (UNI EN 10226-1)



Intermediate Tee joint LBP with Male branch

Dimension	Pcs. pack	Code	Price €
16 x 1/2" x 16	5	28180158	7,81
20 x 1/2" x 20	5	28180160	9,11
20 x 3/4" x 20	5	28180162	12,65
26 x 3/4" x 26	5	28180164	14,07

Threads: R (UNI EN 10226-1)



Intermediate reducing Tee joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 20 x 16	5	28181110	9,85
20 x 16 x 16	5	28181112	9,63
20 x 16 x 20	5	28181114	10,42
20 x 20 x 16	5	28181116	10,42
20 x 26 x 20	5	28181118	15,04
20 x 32 x 20	5	28181120	23,46
26 x 16 x 20	5	28181122	14,86
26 x 16 x 26	5	28181124	15,71
26 x 20 x 16	5	28181126	14,86
26 x 20 x 20	5	28181128	15,04
26 x 20 x 26	5	28181130	16,61
26 x 26 x 16	5	28181132	15,14
26 x 26 x 20	5	28181134	15,71
26 x 32 x 26	5	28181136	25,68
32 x 16 x 32	5	28181138	23,94
32 x 20 x 20	5	28181140	23,46
32 x 20 x 26	5	28181142	23,94
32 x 32 x 16	5	28181144	23,94
32 x 32 x 20	5	28181146	23,94
32 x 32 x 26	5	28181148	25,68
32 x 20 x 32	5	28181150	25,68
32 x 26 x 20	5	28181152	23,46
32 x 26 x 26	5	28181154	23,94
32 x 26 x 32	5	28181156	26,75
NEW 40 x 20 x 40 (1)	1	28181178	54,70
NEW 50 x 20 x 50 (1)	1	28181180	81,54
NEW 63 x 32 x 63 (1)	1	28181190	155,60

(1) LBP function only in leads 16x2 - 20x2 - 26x3 - 32x3



Straight intermediate union joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 16	10	28181000	4,64
20 x 20	10	28181002	5,78
26 x 26	5	28181004	8,78
32 x 32	5	28181006	11,85



Straight intermediate reducing union joint LBP

Dimension	Pcs. pack	Code	Price €
20 x 16	10	28181008	6,31
26 x 16	5	28181010	8,27
26 x 20	5	28181012	8,45
32 x 16	5	28181014	10,23
32 x 20	5	28181016	12,59
32 x 26	5	28181018	11,38



Straight Male union joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	10	28180020	4,14
20 x 1/2"	10	28180022	4,75
20 x 3/4"	10	28180024	5,67
26 x 3/4"	5	28180026	7,56
26 x 1"	5	28180028	10,51
32 x 1"	5	28180030	11,29
32 x 1"1/4	1	28180032	30,44

Threads: R (UNI EN 10226-1)



Straight Male union joint LBP with o-ring

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	10	28180214	8,84
20 x 1/2"	10	28180216	9,34

Threads: G (UNI EN ISO 228-1)



Plug LBP

Dimension	Pcs. pack	Code	Price €
16 x 2	10	28180218	4,11
20 x 2	10	28180220	4,71
26 x 3	5	28180222	6,49
32 x 3	5	28180224	8,17



Adapter LBP multi-layer / copper

Dimension	Pcs. pack	Code	Price €
16 x 15 mm	1	28180226	6,49
20 x 18 mm	1	28180228	7,44
20 x 22 mm	1	28180230	8,51
26 x 22 mm	1	28180232	9,44
32 x 28 mm	1	28180234	11,57

Compatibility with copper and bronze press fittings with V profile (KSP4)



Straight Female union joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	10	28180034	4,39
20 x 1/2"	10	28180036	5,19
20 x 3/4"	10	28180038	7,48
26 x 3/4"	5	28180040	7,87
26 x 1"	5	28180042	10,90
32 x 1"	5	28180044	12,54

Threads: Rp (UNI EN 10226-1)

Press fittings for water Gerpex LBP



Right-angle elbow with copper pipe, chromed

Dimension	Pcs. pack	Code	Price €
16 x DN 15 L 165	1	28181200	15,76

Not suitable for sanitary installations



Built-in galvanized bracket for flanged elbows

Dimension	Pcs. pack	Code	Price €
10 brakets kit	1	28104062	80,68

Takeoffs 80-100-153 mm
Takeoffs 153 mm for fixing flanged elbow in 4 point.



Built-in galvanized bracket for flanged elbows

Dimension	Pcs. pack	Code	Price €
	2	28101530	7,78

Takeoffs 80-100-153 mm



Galvanised bracket for flanged elbow

Dimension	Pcs. pack	Code	Price €
	1	28101531	4,59

Takeoff 153 mm



Offset female Tee joint LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2" x 16	5	28180192	17,37
20 x 1/2" x 20	5	28180194	17,37

Threads: Rp (UNI EN 10226-1)



Right terminal LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	5	28180196	14,07
20 x 1/2"	5	28180198	14,38

Threads: Rp (UNI EN 10226-1)



Left terminal LBP

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	5	28180200	14,07
20 x 1/2"	5	28180202	14,38

Threads: Rp (UNI EN 10226-1)



Bracket for axially offset Tee

Dimension	Pcs. pack	Code	Price €
	2	28101532	5,50



Plug for circuit test with o-ring

Dimension	Pcs. pack	Code	Price €
1/2" blue	50	28090003	0,82
1/2" red	50	28090004	0,82
3/4" blue	50	28090006	1,29
3/4" red	50	28090008	1,33

Threads: G (UNI EN ISO 228-1)



Leackage test plug for multi-layer pipe

Dimension	Pcs. pack	Code	Price €
16 x 2	1	28101846	22,42
20 x 2	1	28101848	22,42

Complete with 1/2" F fitting for release valve (provided standard)



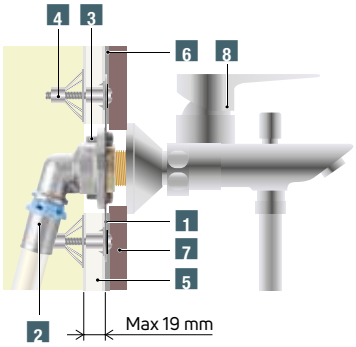
Built-in box for flanged elbows

Dimension	Pcs. pack	Code	Price €
	1	13010010	8,93

For installation of flanged elbows

Raccordi a pressare per acqua Gerpex LBP





Bath/shower kit for plasterboard, LBP

NEW

Composition

1. No. 1 steel plate, connection spacing 150 mm;
2. No. 2 LBP female elbow fittings, size 16 x 1/2", 105°;
3. No. 6 M4x12 screws, for fixing the fittings on the metal plate;
4. No. 8 M4 wall plugs, for fixing the plate on the plasterboard.

The kit is suitable for installation on plasterboard sheets with a maximum thickness of 19 mm

Dimension	Pcs. pack	Code	Price €
16 x 1/2" - 105 °	1	28180250	51,50

Installation example

1. Steel plate, connection spacing 150 mm
2. LBP female elbow fitting, size 16 x 1/2", 105°
3. Screw M4x12
4. M4 dowel
5. Plasterboard sheet
6. Glue
7. Tile
8. Mixer



Elbow fitting for flush-mounted toilet flush boxes

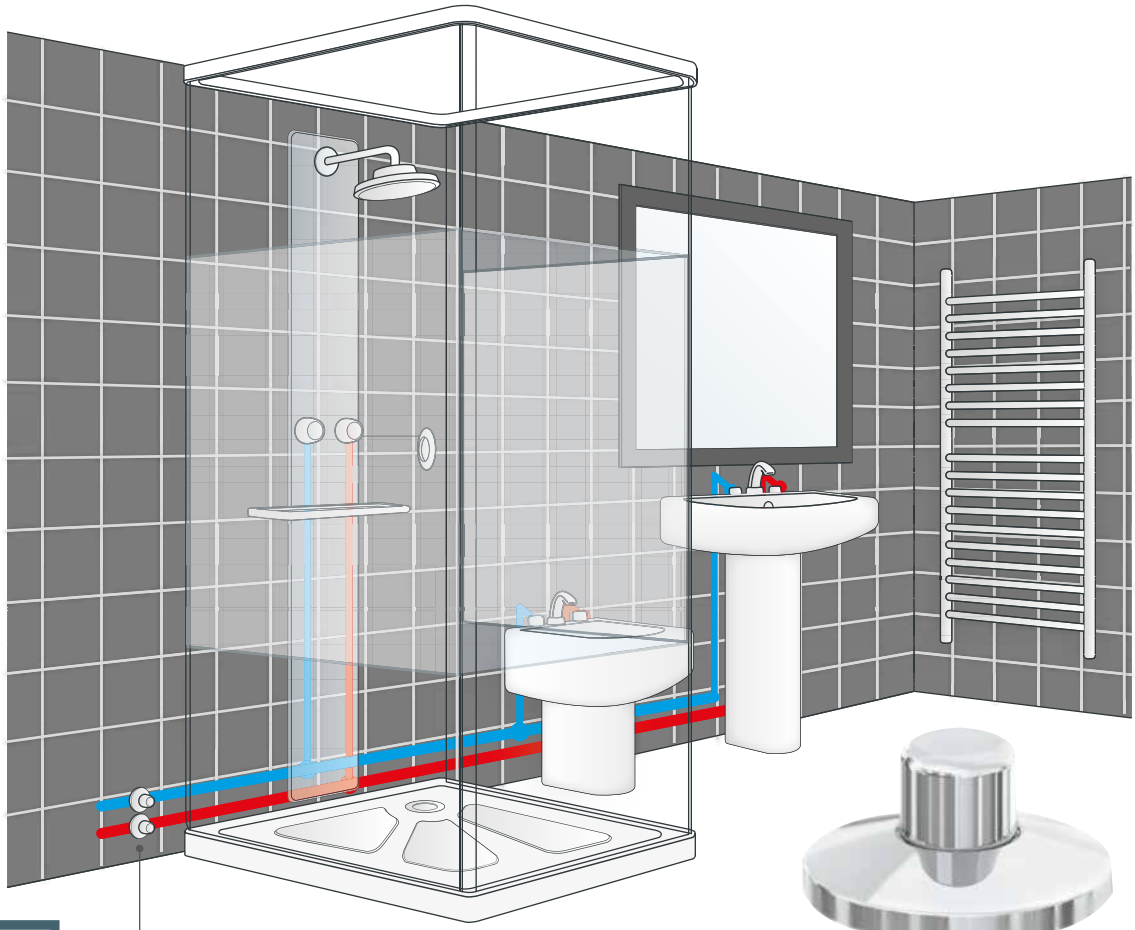
Operating temperature: 0 °C ÷ 95 °C
Operating pressure: 10 bar

Composition

1. Male square fitting
2. NBR Seal
3. Polypropylene square plate (PP)
4. Galvanised steel washer (Fe P13 EU111)
5. Brass hex locknut Dimension 32 (EN 12164 CW617N)

Dimension	Pcs. pack	Code	Price €
16 x 1/2"	1	28181202	21,59

Valve for built-in application LBP





WEB

SCAN

Construction
Body made of brass CW617N DW (UNI EN 12165)
Group screw brass CW617N - DW (UNI EN 12164)
Rosette-gaskets-flywheel, brushed and chrome-plated
Gasket and seal in EPDM

Technical data
Maximum operating temperature: 95 °C
Maximum operating pressure at 95 °C: 6 bar



Body LBP

Dimension	Pcs. pack	Code	Price €
16 x 3/4"	1	28180204	12,54
20 x 3/4"	1	28180206	13,86
26 x 3/4"	1	28180208	19,67

Threads: Rp (UNI EN 10226-1)

Valve for built-in application Gerpex LBP



Screw group 3/4" for built-in valve body

Dimension	Pcs. pack	Code	Price €
3/4"	10	28100988	26,49

Threads: RGp (UNI EN ISO 228-1)
Complete with screw protection cap.



Cap shutter 3/4" with handle

Dimension	Pcs. pack	Code	Price €
3/4"	10	28100982	20,81

Threads: G (UNI EN ISO 228-1)



Extended screw (+20 mm) brass 3/4"

Dimension	Pcs. pack	Code	Price €
3/4" for built-in valve body (*)	10	90008172	17,81
3/4" for cap shutter with handle	10	90008180	11,22

Threads: G (UNI EN ISO 228-1)
(*) Complete with screw protection cap.



Spherical asher seal

Dimension	Pcs. pack	Code	Price €
	10	90008011	0,82



Set of 10 spare parts plastic butterfly handle for 3/4" blind quill screw assembly

NEW

Dimension	Pcs. pack	Code	Price €
Set of 10 butterfly handles	1	90008194	3,17



Set of 10 Brass Handles for 3/4" blind quill screw Group

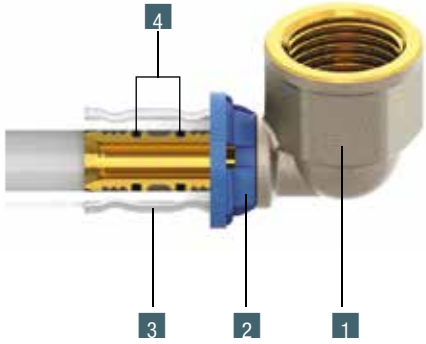
NEW

Dimension	Pcs. pack	Code	Price €
Set of 10 brass handles	1	90008192	27,57

Press fittings Gerpex for water

Press fittings for water Gerpex





Construction

1. Body in brass CW617N - DW (UNI EN 12164 andv12165). Threads: UNI EN ISO 228-1, UNI EN 10226.
2. Nylon sleeve ring, dielectric
3. AISI 304 stainless steel sleeve
4. EPDM dual o-ring

See introductory page Multi-Layer Water Systems (page 23) for details



Female connecting elbow

	Dimension	Profile	Pcs. pack	Code	Price €
	16 x 1/2"	B (KSP1) / TH (KSP11)	10	28101330	4,91
	18 x 1/2"	B (KSP1)	10	28101332	7,60
	20 x 1/2"	B (KSP1) / TH (KSP11)	10	28101334	6,14
	20 x 3/4"	B (KSP1) / TH (KSP11)	10	28101335	8,49
	26 x 3/4"	B (KSP1) / TH (KSP11)	5	28101336	9,07
	32 x 1"	B (KSP1) / TH (KSP11)	5	28101484	16,58
NEW	40 x 1"1/4	TH (KSP11)	1	28115536	31,63
NEW	50 x 1"1/2	TH (KSP11)	1	28115572	51,63
NEW	63 x 2"	TH (KSP11)	1	28115404	77,73
NEW	75 x 2"1/2	TH (KSP11) (1)	1	28115564	157,17

Threads: Rp (UNI EN 10226-1)



Female elbow with flange

Dimension	Profile	H mm	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	48	5	28101300	7,66
16 x 1/2"	B (KSP1) / TH (KSP11)	68	5	28116202	8,22
18 x 1/2"	B (KSP1)	52,5	10	28101302	10,28
20 x 1/2"	B (KSP1) / TH (KSP11)	48	5	28101304	7,98
20 x 1/2"	B (KSP1) / TH (KSP11)	68	5	28116206	8,49
20 x 3/4"	B (KSP1) / TH (KSP11)	56	5	28101696	12,64
26 x 3/4"	B (KSP1) / TH (KSP11)	56	5	28101698	12,81

Threads: Rp (UNI EN 10226-1)



Male connecting elbow

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28101342	4,91
18 x 1/2"	B (KSP1)	10	28101344	8,22
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28101346	6,15
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28101347	8,24
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28101348	9,07
32 x 1"	B (KSP1) / TH (KSP11)	5	28101482	15,68
40 x 1"1/4	TH (KSP11)	1	28115150	35,03
50 x 1"1/2	TH (KSP11)	1	28115160	52,71
63 x 2"	TH (KSP11)	1	28115170	68,84

Threads: R (UNI EN 10226-1)



Intermediate elbow

Dimension	Profile	Pcs. pack	Code	Price €
16 x 16	B (KSP1) / TH (KSP11)	10	28101952	5,51
18 x 18	B (KSP1)	10	28101354	9,48
20 x 20	B (KSP1) / TH (KSP11)	10	28101956	7,90
26 x 26	B (KSP1) / TH (KSP11)	5	28101958	11,37
32 x 32	B (KSP1) / TH (KSP11)	5	28101980	17,86
40 x 40	TH (KSP11)	1	28115200	46,20
50 x 50	TH (KSP11)	1	28115210	57,12
63 x 63	TH (KSP11)	1	28115220	73,31
75 x 75	TH (KSP11) (1)	1	28115540	133,50

(1) 75x5 derivation also compatible with F profile (KSP2)



Intermediate elbow 45°

Dimension	Profile	Pcs. pack	Code	Price €
40 x 40	TH (KSP11)	1	28101720	33,94
50 x 50	TH (KSP11)	1	28101722	53,23
63 x 63	TH (KSP11)	1	28101724	64,68
75 x 75	TH (KSP11) (1)	1	28115542	130,30

(1) 75x5 derivation also compatible with F profile (KSP2)



Elbow with female swivel nut, flat seal

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	1	28102630	6,62
20 x 3/4"	B (KSP1) / TH (KSP11)	1	28102632	10,02

Threads: G (UNI EN ISO 228-1)



Straight with female swivel nut, O-ring seal

Dimension	Profile	Pcs. pack	Code	Price €
Ø 16 - 24x19	B (KSP1) / TH (KSP11)	10	28101650	5,36
Ø 20 - 24x19	B (KSP1) / TH (KSP11)	10	28101654	7,28
Ø 16 - Eurocone 3/4"	B (KSP1) / TH (KSP11)	10	28101656	7,03
Ø 20 - Eurocone 3/4"	B (KSP1) / TH (KSP11)	10	28101658	7,85

Threads 3/4": G (UNI EN ISO 228-1)



Straight with female swivel nut, flat seal

Dimension	Profile	Pcs. pack	Code	Price €
16 x 3/8"	B (KSP1) / TH (KSP11)	1	28101651	5,16
16 x 1/2"	B (KSP1) / TH (KSP11)	1	28102600	6,34
16 x 3/4"	B (KSP1) / TH (KSP11)	1	28102598	7,54
20 x 1/2"	B (KSP1) / TH (KSP11)	1	28102608	7,19
20 x 3/4"	B (KSP1) / TH (KSP11)	1	28102606	7,55
26 x 3/4"	B (KSP1) / TH (KSP11)	1	28102612	7,78
26 x 1"	B (KSP1) / TH (KSP11)	1	28102610	9,50
32 x 1"	B (KSP1) / TH (KSP11)	1	28102614	10,74
32 x 1"1/4	B (KSP1) / TH (KSP11)	1	28102620	19,20
40 x 1"1/2	TH (KSP11)	1	28102622	33,61
50 x 2"	TH (KSP11)	1	28102624	58,28
63 x 2"1/2	TH (KSP11)	1	28102626	81,86

Threads: G (UNI EN ISO 228-1)



Intermediate Tee joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 16 x 16	B (KSP1) / TH (KSP11)	5	28101962	7,79
18 x 18 x 18	B (KSP1)	5	28101364	13,36
20 x 20 x 20	B (KSP1) / TH (KSP11)	5	28101966	10,39
26 x 26 x 26	B (KSP1) / TH (KSP11)	5	28101968	16,58
32 x 32 x 32	B (KSP1) / TH (KSP11)	5	28111490	26,69
40 x 40 x 40	TH (KSP11)	1	28115250	57,12
50 x 50 x 50	TH (KSP11)	1	28115260	74,51
63 x 63 x 63	TH (KSP11)	1	28115270	103,10
75 x 75 x 75	TH (KSP11) (1)	1	28115544	211,10

(1) 75x5 derivation also compatible with F profile (KSP2)



Intermediate Tee joint with female branch

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2" x 16	B (KSP1) / TH (KSP11)	5	28101400	7,78
16 x 3/4" x 16	B (KSP1) / TH (KSP11)	5	28101401	12,40
20 x 1/2" x 20	B (KSP1) / TH (KSP11)	5	28101404	8,58
20 x 3/4" x 20	B (KSP1) / TH (KSP11)	5	28101405	13,83
26 x 1/2" x 20	B (KSP1) / TH (KSP11)	5	28101700	17,13
26 x 1/2" x 26	B (KSP1) / TH (KSP11)	5	28101702	17,82
26 x 3/4" x 26	B (KSP1) / TH (KSP11)	5	28101408	14,04
32 x 3/4" x 32	B (KSP1) / TH (KSP11)	5	28101494	26,69
32 x 1" x 32	B (KSP1) / TH (KSP11)	5	28101496	25,62
40 x 3/4" x 40	TH (KSP11)	1	28115350	57,12
40 x 1" x 40	TH (KSP11)	1	28115360	57,12
40 x 1"1/4 x 40	TH (KSP11)	1	28115530	87,65
50 x 3/4" x 50	TH (KSP11)	1	28115370	60,96
50 x 1" x 50	TH (KSP11)	1	28115380	60,58
50 x 1"1/4 x 50	TH (KSP11)	1	28115532	91,31
63 x 1" x 63	TH (KSP11)	1	28115390	81,84
63 x 1"1/4 x 63	TH (KSP11)	1	28115400	80,13
75 x 1" x 75	TH (KSP11) (1)	1	28115550	198,90

(1) 75x5 derivation also compatible with F profile (KSP2)
Threads: Rp (UNI EN 10226-1)



Intermediate Tee joint with male branch

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2" x 16	B (KSP1) / TH (KSP11)	5	28101410	7,78
20 x 1/2" x 20	B (KSP1) / TH (KSP11)	5	28101414	9,07
20 x 3/4" x 20	B (KSP1) / TH (KSP11)	5	28101415	12,62
26 x 3/4" x 26	B (KSP1) / TH (KSP11)	5	28101418	14,04

Threads: R (UNI EN 10226-1)



Intermediate reducing Tee joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 20 x 16	B (KSP1) / TH (KSP11)	5	28101996	9,82
18 x 26 x 18 (*)	B (KSP1) (1)	5	28101369	15,81
20 x 16 x 16	B (KSP1) / TH (KSP11)	5	28101982	9,60
20 x 16 x 20	B (KSP1) / TH (KSP11)	5	28101972	10,39
20 x 20 x 16	B (KSP1) / TH (KSP11)	5	28101985	10,39
20 x 26 x 20	B (KSP1) / TH (KSP11)	5	28101998	15,02
20 x 32 x 20	B (KSP1) / TH (KSP11)	5	28111503	23,40
26 x 16 x 20	B (KSP1) / TH (KSP11)	5	28101986	14,78
26 x 16 x 26	B (KSP1) / TH (KSP11)	5	28101976	15,68
26 x 20 x 16	B (KSP1) / TH (KSP11)	5	28101988	14,78
26 x 20 x 20	B (KSP1) / TH (KSP11)	5	28101990	15,02
26 x 20 x 26	B (KSP1) / TH (KSP11)	5	28101979	16,58
26 x 26 x 16	B (KSP1) / TH (KSP11)	5	28101991	15,12
26 x 26 x 20	B (KSP1) / TH (KSP11)	5	28101992	15,68
26 x 32 x 26	B (KSP1) / TH (KSP11)	5	28111499	25,62
32 x 16 x 32	B (KSP1) / TH (KSP11)	5	28111497	23,87
32 x 20 x 20	B (KSP1) / TH (KSP11)	5	28111501	23,40
32 x 20 x 26	B (KSP1) / TH (KSP11)	5	28111508	23,87
32 x 20 x 32	B (KSP1) / TH (KSP11)	5	28111502	25,62
32 x 26 x 20	B (KSP1) / TH (KSP11)	5	28111495	23,40
32 x 26 x 26	B (KSP1) / TH (KSP11)	5	28111509	23,87
32 x 26 x 32	B (KSP1) / TH (KSP11)	5	28111506	26,69
32 x 32 x 16	B (KSP1) / TH (KSP11)	5	28111493	23,87
32 x 32 x 20	B (KSP1) / TH (KSP11)	5	28111504	23,87
32 x 32 x 26	B (KSP1) / TH (KSP11)	5	28111507	25,62
40 x 26 x 32	TH (KSP11) (2)/(3)	1	28115518	52,71
40 x 26 x 40	TH (KSP11) (2)	1	28115514	53,78
40 x 32 x 32	TH (KSP11) (3)	1	28115516	52,71
40 x 32 x 40	TH (KSP11) (3)	1	28115300	53,78
40 x 40 x 32	TH (KSP11) (3)	1	28115520	53,78
50 x 26 x 50	TH (KSP11) (2)	1	28115522	79,15
50 x 32 x 50	TH (KSP11) (3)	1	28115320	70,17
50 x 40 x 40	TH (KSP11)	1	28115524	75,57
50 x 40 x 50	TH (KSP11)	1	28115310	72,46
50 x 50 x 32	TH (KSP11) (3)	1	28115526	74,61
50 x 50 x 40	TH (KSP11)	1	28115528	77,39
NEW 63 x 40 x 63	TH (KSP11)	1	28115406	157,96
63 x 50 x 63	TH (KSP11)	1	28115330	103,10
75 x 40 x 75	TH (KSP11) (4)	1	28115546	195,60
75 x 50 x 75	TH (KSP11) (4)	1	28115548	197,60
NEW 75 x 63 x 75	TH (KSP11) (4)	1	28115566	221,25

(1) Derivation 26x3: compatible with profile TH (KSP11)
(2) Derivation 26x3: compatible with profile B (KSP1)
(3) Derivation 32x3: compatible with profile B (KSP1)
(4) Derivation 75x5: compatible with profile F (KSP2)



Straight intermediate union joint

Dimension	Profile	Pcs. pack	Code	Price €
18 x 18	B (KSP1)	10	28101424	7,84
40 x 40	TH (KSP11)	1	28115050	35,36
50 x 50	TH (KSP11)	1	28115060	53,78
63 x 63	TH (KSP11)	1	28115070	65,51
75 x 75	TH (KSP11) (1)	1	28115554	122,40

(1) derivation 75x5 also compatible with F profile (KSP2)



Straight intermediate union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 16	B (KSP1) / TH (KSP11)	10	28101922	5,22
20 x 20	B (KSP1) / TH (KSP11)	10	28101926	7,39
26 x 26	B (KSP1) / TH (KSP11)	5	28101928	9,97
32 x 32	B (KSP1) / TH (KSP11)	5	28101910	13,47



Straight intermediate reducing union joint

Dimension	Profile	Pcs. pack	Code	Price €
20 x 16	B (KSP1) / TH (KSP11)	10	28101930	7,39
26 x 16	B (KSP1) / TH (KSP11)	5	28101934	8,72
26 x 20	B (KSP1) / TH (KSP11)	5	28101936	8,72
32 x 16	B (KSP1) / TH (KSP11)	5	28101912	12,17
32 x 20	B (KSP1) / TH (KSP11)	5	28101914	12,17
32 x 26	B (KSP1) / TH (KSP11)	5	28101916	13,26



Straight intermediate reducing union joint

Dimension	Profile	Pcs. pack	Code	Price €
40 x 26	TH (KSP11) (1)	1	28115500	30,36
40 x 32	TH (KSP11) (2)	1	28115100	33,29
50 x 32	TH (KSP11) (2)	1	28115502	46,20
50 x 40	TH (KSP11)	1	28115110	52,71
63 x 40	TH (KSP11)	1	28115120	60,58
63 x 50	TH (KSP11)	1	28115130	62,68
75 x 40	TH (KSP11) (3)	1	28115556	111,90
75 x 50	TH (KSP11) (3)	1	28115558	113,20
75 x 63	TH (KSP11) (3)	1	28115560	115,10

(1) Derivation 26x3: compatible also with profile B (KSP1)
(2) Derivation 32x3: compatible also with profile B (KSP1)
(3) Derivation 75x5: compatible also with profile F (KSP2)



Straight Male union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28101440	4,13
18 x 1/2"	B (KSP1)	10	28101442	5,91
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28101445	4,74
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28101446	5,66
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28101448	7,54
26 x 1"	B (KSP1) / TH (KSP11)	5	28101450	10,49
32 x 1"	B (KSP1) / TH (KSP11)	5	28101520	11,28
32 x 1"1/4	B (KSP1) / TH (KSP11)	1	28115510	30,36
40 x 1"	TH (KSP11)	1	28115512	30,36
40 x 1"1/4	TH (KSP11)	1	28115000	30,36
50 x 1"1/2	TH (KSP11)	1	28115010	35,36
63 x 2"	TH (KSP11)	1	28115020	52,16
75 x 2"1/2	TH (KSP11) (1)	1	28115552	107,00

(1) Derivation 75x5: also compatible with profile F (KSP2)
Threads: R (UNI EN 10226-1)



Straight Female union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28101454	4,39
18 x 1/2"	B (KSP1)	10	28101456	5,64
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28101459	5,16
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28101460	7,46
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28101462	7,85
26 x 1"	B (KSP1) / TH (KSP11)	5	28101464	10,84
32 x 1"	B (KSP1) / TH (KSP11)	5	28101522	12,52
NEW 40 x 1"1/4	TH (KSP11)	1	28115534	25,00
NEW 50 x 1"1/2	TH (KSP11)	1	28115570	26,74
NEW 63 x 2"	TH (KSP11)	1	28115402	38,09
NEW 75 x 2"1/2	TH (KSP11) (1)	1	28115562	143,38

Threads: Rp (UNI EN 10226-1)



Chromed copper pipe

Dimension	Pcs. pack	Code	Price €
Ø 15 x 1/2" M (L 175 mm)	5	28101686	14,87

Not suitable for sanitary installations
Threads: G (UNI EN ISO 228-1)



Female double elbow with flange

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	5	28101688	28,82
20 x 1/2"	B (KSP1) / TH (KSP11)	5	28101690	30,67

Threads: Rp (UNI EN 10226-1)



Elbow fitting with chromed copper pipe

Dimension	Profile	Pcs. pack	Code	Price €
16 x Ø 15 (L 165,5 mm)	B (KSP1) / TH (KSP11)	10	28101708	18,42

Not suitable for sanitary installations



Built-in galvanized bracket for flanged elbows

Dimension	Pcs. pack	Code	Price €
10 brakets kit	1	28104062	80,68

Takeoffs 80-100-153 mm
Takeoffs 153 mm for fixing flanged elbow in 4 point.



Built-in galvanized bracket for flanged elbows

Dimension	Pcs. pack	Code	Price €
	2	28101530	7,78

Takeoffs 80-100-153 mm

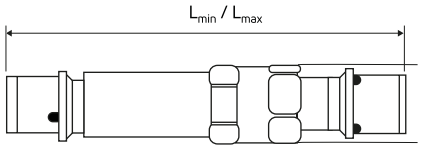


Galvanised bracket for flanged elbow

Size	Pcs. pack	Code	Price €
	1	28101531	4,59

Takeoff 153 mm





Press fitting for multilayer pipe repairs
Gerpex, Gerpex RA, Alpert

Telescopic press fitting, in CW617N brass and O-Ring in EPDM PEROX, for repairing damaged multilayer pipes.

Dimension	Profile	L_{min}	L_{max}	Pcs. pack	Code	Price €
16 x 16	TH (KSP11)	150 mm	203,5 mm	1	9985R001	88,19
20 x 20	TH (KSP11)	159 mm	219,5 mm	1	9985R002	106,00
26 x 26	TH (KSP11)	182 mm	245,5 mm	1	9985R003	157,20



Offset female Tee joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2" x 16	B (KSP1) / TH (KSP11)	5	28101620	17,32
20 x 1/2" x 20	B (KSP1) / TH (KSP11)	5	28101624	17,32

Threads: Rp (UNI EN 10226-1)



Right terminal

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	5	28101632	14,04
20 x 1/2"	B (KSP1) / TH (KSP11)	5	28101640	14,35

Threads: Rp (UNI EN 10226-1)



Left terminal

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	5	28101630	14,04
20 x 1/2"	B (KSP1) / TH (KSP11)	5	28101638	14,35

Threads: Rp (UNI EN 10226-1)



Bracket for axially offset Tee

Dimension	Pcs. pack	Code	Price €
	2	28101532	5,50



Plug for circuit test with o-ring

Dimension	Pcs. pack	Code	Price €
1/2" blue	50	28090003	0,82
1/2" red	50	28090004	0,82
3/4" blue	50	28090006	1,29
3/4" red	50	28090008	1,33

Threads: G (UNI EN ISO 228-1)



Leackage test plug for multi-layer pipe

Dimension	Pcs. pack	Code	Price €
16 x 2	1	28101846	22,42
20 x 2	1	28101848	22,42

Complete with 1/2" F fitting for release valve (provided standard)

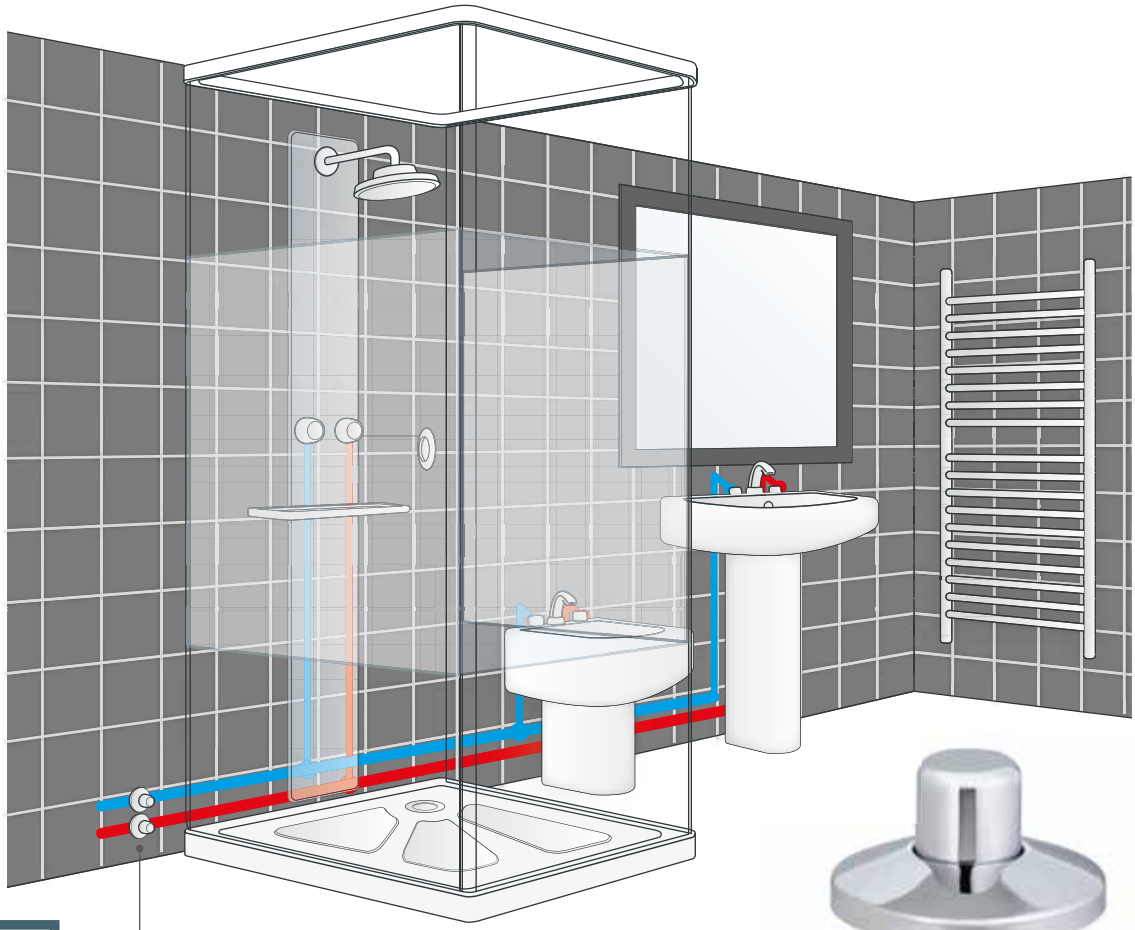


Built-in box for flanged elbows

Dimension	Pcs. pack	Code	Price €
	1	13010010	8,93

For installation of flanged elbows

Valve for built-in application Gerpex



WEB

SCAN



Construction
Body made of brass CW617N - DW (UNI EN 12165)
Group Screw made of brass CW617N - DW (UNI EN 12164)
Rosette-gaskets-flywheel, chromed
Gasket EPDM

Technical data
Max operating temperature: 95 °C
Max allowable working pressure at 95 °C: 6 bar

PATENT PENDING



Body

Dimension	Profile	Pcs. pack	Code	Price €
16 x 3/4"	B (KSP1)	5	90008120	12,52
20 x 3/4"	B (KSP1)	5	90008140	13,83
26 x 3/4"	B (KSP1)	5	90008150	14,65

Threads: Rp (UNI EN 10226-1)



Screw group 3/4" for built-in valve body

Dimension	Pcs. pack	Code	Price €
3/4"	10	28100980	18,23

Threads: RGp (UNI EN ISO 228-1)
Complete with screw protection cap.



Cap shutter 3/4" with handle

Dimension	Pcs. pack	Code	Price €
3/4"	10	28100982	20,81

Threads: G (UNI EN ISO 228-1)



Extended screw (+20 mm) brass 3/4"

Dimension	Pcs. pack	Code	Price €
3/4" for built-in valve body (*)	10	90008172	17,81
3/4" for cap shutter with handle	10	90008180	11,22

Threads: G (UNI EN ISO 228-1)
(*) Complete with screw protection cap.



Spherical asher seal

Dimension	Pcs. pack	Code	Price €
	10	90008011	0,82



Set of 10 spare parts plastic butterfly handle for 3/4" blind quill screw assembly

NEW

Dimension	Pcs. pack	Code	Price €
Set of 10 butterfly handles	1	90008194	3,17



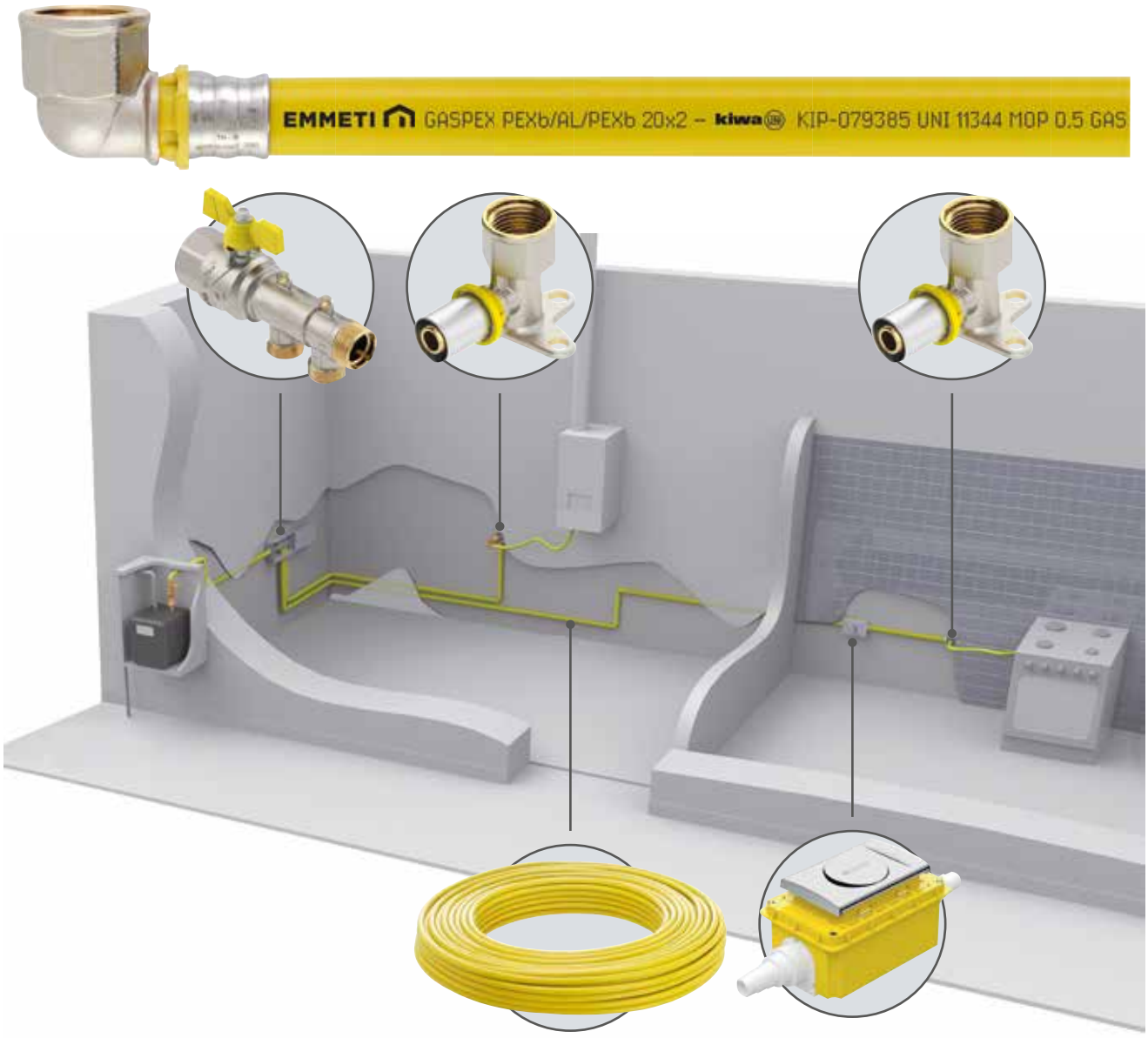
Set of 10 Brass Handles for 3/4" blind quill screw Group

NEW

Dimension	Pcs. pack	Code	Price €
Set of 10 brass handles	1	90008192	27,57

Gaspex

Multilayer pipe system for gas adduction plants



Field of application
Gaseous fuels supplied by distribution networks, cylinders and fixed GPL tanks, with maximum operating pressure of 0,5 bar and operating temperature from -20 °C to +70 °C

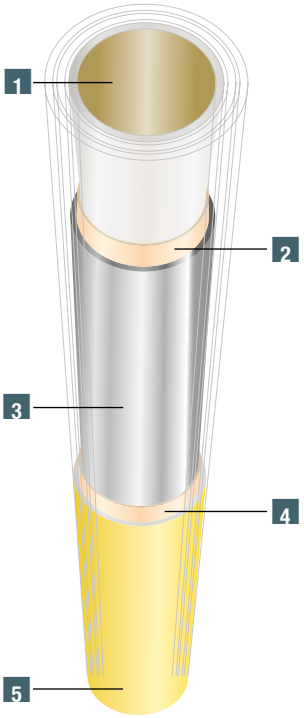
In appliance to:
> UNI 11344
> ISO 17484
> AS 4176.8

Suitability for use:
> UNI 7129-1
> UNI 11528
> AS 5601.1

Gaspex pipe

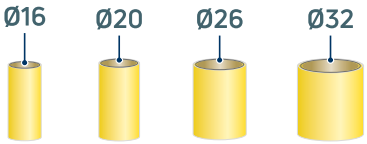
Multilayer Gaspex pipe





SCAN

WEB



Construction

1. Cross-linked polyethylene inner pipe (PE-Xb).
2. Bonding layer connecting the inner pipe to the aluminium pipe.
3. Butt-welded aluminium pipe, thickness min 0,2 mm.
4. Bonding layer connecting the outer pipe to the aluminium pipe.
5. High-density polyethylene inner pipe (PE-Xb), yellow colour.

Corrugated sheath technical data (ref. precoated pipe)
Material: Polypropylene PP

Technical data Gaspex pipe
Operating temperature: -20 °C÷70 °C (*)
Max operating pressure: 0,5 bar (*)
Coefficient of linear expansion: 0.026 mm/m °C
Thermal concuctivity: 0.45W/m°C
Minimum radius of bending: 5 x Ø pipe
Surface roughness of internal pipe: 7 µm

(*) values referring to certification according to UNI 11344, for applications according to UNI 7129-1 and UNI 11528

Expandable corrugated sheath technical data
Material: Polypropylene PP
Self-extinguishing (CEI EN 60695-2-10):
1) Class 850 (°C)
2) Mean extinguishing time 6,4 (seconds)
Self-extinguishing (UL 94): Class V2
Expanding capacity: approximately 3 times the original length

> kiwa UNI : sizes Ø 16, Ø 20, Ø 26, Ø 32

> kQ kiwaQuality : sizes Ø 16, Ø 20, Ø 26, Ø 32

Multilayer Gaspex pipe



Gaspex bare pipe in roll

Dimension	Mts. pack	Code	Price €
16 x 2	100 m	28109200	1,82
20 x 2	100 m	28109204	2,45
26 x 3	50 m	28109206	5,46
32 x 3	50 m	28109208	6,78



Gaspex bare pipe in 4 mt bars

Dimension	Mts. pack	Code	Price €
26 x 3	40	28109226	5,99
32 x 3	28	28109228	10,46

Packaged in rigid protective pipe



Gaspex pipe with rolled corrugated sheath

Dimension	Ø internal shealt	Ø external shealt	Mts. pack	Code	Price €
16 x 2	31 mm	36 mm	50	28109260	3,78
20 x 2	31 mm	36 mm	50	28109264	4,50
26 x 3	40 mm	46 mm	25	28109266	7,98

Size of corrugated sheath appropriate to the requirements of UNI 7129-1: 2015

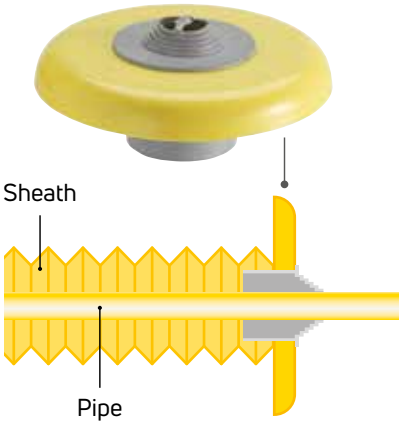


Expandable corrugated sheath

Dimension	Mts. pack	Code	Price €
20*	50	01220500	1,92
25*	25	01220502	2,41
30*	25	01220504	2,89
40*	25	01220506	3,34

(*) internal Ø (mm)

For installations in compliance with UNI 7129:2015, use:
- sheath Ø 30 for 16x2 and 20x2 pipe;
- sheath Ø 40 for 26x3 pipe.



Expandable sheath terminal

Dimension	Pcs. pack	Code	Price €
20 (*)	10	01220508	4,11
25 (*)	10	01220510	4,11
30 (*)	10	01220512	4,11

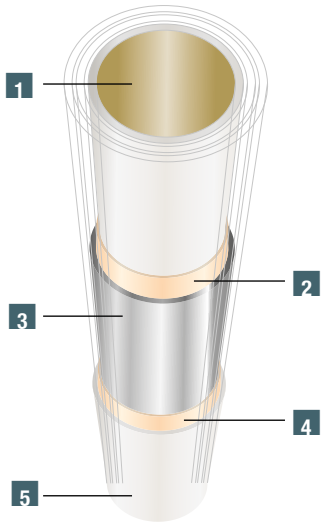
(*) internal Ø (mm)

Gaspex UV

Multi-layer Gaspex pipe UV protection







WEB

SCAN

Construction

1. Cross-linked polyethylene inner pipe (PEX)
2. Bonding layer connecting the inner pipe to the aluminium pipe.
3. Butt-welded aluminium pipe, thickness min 0,2 mm.
4. Bonding layer connecting the outer pipe to the aluminium pipe.
5. External coating of polyethylene (PEX)

Technical data Gaspex UV protected pipe

Max operating pressure: 5 bar
Operating temperature: -20 °C ÷ +60°C
Coefficient of linear expansion: 0.026 mm/m °C
Thermal concuctivity: 0.45W/m°C
Minimum radius of bending: 5 x Ø pipe
Surface roughness of internal pipe: 7 µm

In appliance to:
> ISO 17484-1
> ISO 18225

Suitability for use:
verify the use according to local rules and parameters Kly.

> : sizes Ø 16, Ø 20, Ø 26, Ø 32



GAS

Gaspex UV pipe in roll

Dimension	Mts. pack	Code	Price €
16 x 2	100	28109240	1,86
20 x 2	100	28109244	2,49
26 x 3	50	28109246	5,54
32 x 3	50	28109248	6,85

Gaspex UV protected pipe is a PE-Xb/AL/PE-Xb multilayer pipe approved according ISO 17484-1 (multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar) and ISO 18225 (multilayer piping system for outdoor gas installations) with an UV protection of at least 3.5 GJ/m² (=83.65 Kly).

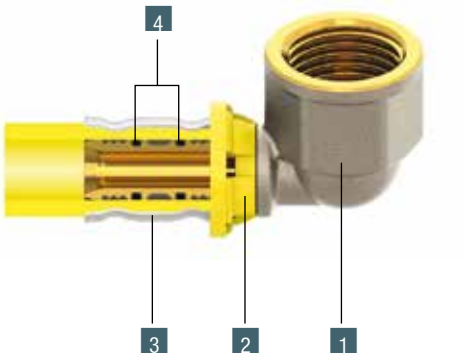
Material on request.
Timings to be agreed.

Press fittings Gaspex

Press fittings for gas Gaspex







Construction

1. Body in brass CW617N - DW (UNI EN 12164 and 12165); threads: UNI EN ISO 228-1, UNI EN 10226.
2. Nylon sleeve ring
3. AISI 304 steinless steel sleeve annealed
4. NBR dual o-ring (black, teflon coated, yellow, in conforming toEN 682 and EN 549)



Straight Female union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28125000	4,91
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28125002	5,58
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28125004	8,18
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28125006	8,54
26 x 1"	B (KSP1) / TH (KSP11)	5	28125008	11,69
32 x 1"	B (KSP1) / TH (KSP11)	5	28125010	13,62

Threads: Rp (UNI EN 10226-1)



Straight Male union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28125020	4,60
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28125022	5,18
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28125024	6,19
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28125026	8,18
26 x 1"	B (KSP1) / TH (KSP11)	5	28125028	11,32
32 x 1"	B (KSP1) / TH (KSP11)	5	28125030	12,25

Threads: R (UNI EN 10226-1)



Female elbow

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28125040	5,43
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28125042	6,65
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28125044	9,12
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28125046	9,86
32 x 1"	B (KSP1) / TH (KSP11)	5	28125048	18,01

Threads: Rp (UNI EN 10226-1)



Male elbow

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	10	28125050	5,43
20 x 1/2"	B (KSP1) / TH (KSP11)	10	28125052	6,69
20 x 3/4"	B (KSP1) / TH (KSP11)	10	28125054	8,95
26 x 3/4"	B (KSP1) / TH (KSP11)	5	28125056	9,86
32 x 1"	B (KSP1) / TH (KSP11)	5	28125058	17,03

Threads: R (UNI EN 10226-1)



Intermediate Tee joint with female branching

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2" x 16	B (KSP1) / TH (KSP11)	10	28125070	8,54
16 x 3/4" x 16	B (KSP1) / TH (KSP11)	10	28125072	13,62
20 x 1/2" x 20	B (KSP1) / TH (KSP11)	5	28125074	9,28
20 x 3/4" x 20	B (KSP1) / TH (KSP11)	5	28125076	15,01
26 x 3/4" x 26	B (KSP1) / TH (KSP11)	5	28125078	15,28
32 x 3/4" x 32	B (KSP1) / TH (KSP11)	5	28125080	28,99
32 x 1" x 32	B (KSP1) / TH (KSP11)	5	28125082	27,83

Threads: Rp (UNI EN 10226-1)



Female connecting elbow, flat seal in NBR

Size	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	1	28125424	7,70
20 x 3/4"	B (KSP1) / TH (KSP11)	1	28125426	11,39

Threads: G (UNI EN ISO 228-1)



Straight intermediate union joint

Dimension	Profile	Pcs. pack	Code	Price €
16 x 16	B (KSP1) / TH (KSP11)	10	28125290	5,82
20 x 20	B (KSP1) / TH (KSP11)	10	28125292	8,20
26 x 26	B (KSP1) / TH (KSP11)	5	28125294	10,85
32 x 32	B (KSP1) / TH (KSP11)	5	28125296	14,65



Straight intermediate reducing union joint

Dimension	Profile	Pcs. pack	Code	Price €
20 x 16	B (KSP1) / TH (KSP11)	10	28125300	8,20
26 x 20	B (KSP1) / TH (KSP11)	5	28125304	9,47
32 x 26	B (KSP1) / TH (KSP11)	5	28125310	14,41



Intermediate elbow

Size	Profile	Pcs. pack	Code	Price €
16 x 16	B (KSP1) / TH (KSP11)	10	28125320	6,01
20 x 20	B (KSP1) / TH (KSP11)	10	28125322	8,69
26 x 26	B (KSP1) / TH (KSP11)	5	28125324	12,25
32 x 32	B (KSP1) / TH (KSP11)	5	28125326	19,42



Intermediate Tee joint

Size	Profile	Pcs. pack	Code	Price €
16 x 16 x 16	B (KSP1) / TH (KSP11)	10	28125330	8,69
20 x 20 x 20	B (KSP1) / TH (KSP11)	10	28125332	11,32
26 x 26 x 26	B (KSP1) / TH (KSP11)	5	28125334	18,01
32 x 32 x 32	B (KSP1) / TH (KSP11)	5	28125430	28,99



Intermediate reducing Tee joint

Size	Profile	Pcs. pack	Code	Price €
16 x 20 x 16	B (KSP1) / TH (KSP11)	5	28125336	10,57
20 x 16 x 16	B (KSP1) / TH (KSP11)	5	28125338	10,32
20 x 16 x 20	B (KSP1) / TH (KSP11)	5	28125340	11,32
20 x 20 x 16	B (KSP1) / TH (KSP11)	5	28125342	11,32
20 x 26 x 20	B (KSP1) / TH (KSP11)	5	28125344	16,35
20 x 32 x 20	B (KSP1) / TH (KSP11)	5	28125346	25,45
26 x 20 x 20	B (KSP1) / TH (KSP11)	5	28125354	16,35
26 x 20 x 26	B (KSP1) / TH (KSP11)	5	28125356	18,01
26 x 32 x 26	B (KSP1) / TH (KSP11)	5	28125362	27,83
32 x 20 x 20	B (KSP1) / TH (KSP11)	5	28125366	25,45
32 x 20 x 26	B (KSP1) / TH (KSP11)	5	28125368	25,93
32 x 20 x 32	B (KSP1) / TH (KSP11)	5	28125370	27,83
32 x 26 x 26	B (KSP1) / TH (KSP11)	5	28125374	25,93
32 x 26 x 32	B (KSP1) / TH (KSP11)	5	28125376	28,99



Straight with female swivel nut, flat seal in NBR

Size	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	1	28125400	6,94
16 x 3/4"	B (KSP1) / TH (KSP11)	1	28125402	8,24
20 x 1/2"	B (KSP1) / TH (KSP11)	1	28125404	7,23
20 x 3/4"	B (KSP1) / TH (KSP11)	1	28125406	8,22
26 x 3/4"	B (KSP1) / TH (KSP11)	1	28125408	8,61
26 x 1"	B (KSP1) / TH (KSP11)	1	28125410	11,04
32 x 1"	B (KSP1) / TH (KSP11)	1	28125412	12,04

Threads: G (UNI EN ISO 228-1)



Straight with female swivel nut, o-ring fitting

Dimension	Profile	Pcs. pack	Code	Price €
Ø 16 - 24x19	B (KSP1) / TH (KSP11)	10	28125220	5,87
Ø 20 - 24x19	B (KSP1) / TH (KSP11)	10	28125222	7,91
16x2 - 3/4 EK	B (KSP1) / TH (KSP11)	10	28125240	7,81
20x2 - 3/4 EK	B (KSP1) / TH (KSP11)	10	28125242	8,54

Threads 3/4": G (UNI EN ISO 228-1)



Female elbow, flanged elbow

Dimension	Profile	Pcs. pack	Code	Price €
16 x 1/2"	B (KSP1) / TH (KSP11)	5	28125060	8,54
20 x 1/2"	B (KSP1) / TH (KSP11)	5	28125062	8,69
20 x 3/4"	B (KSP1) / TH (KSP11)	5	28125064	13,62

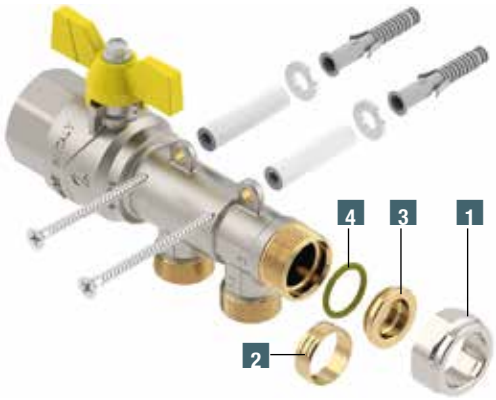
Threads: Rp (UNI EN 10226-1)



Built-in box for flanged elbows

Dimension	Pcs. pack	Code	Price €
	1	13010010	8,93

Built-in box for installation of Gaspex flanged elbows



CE DVGW CERT

UNI EN 331

Valve with manifold first inlet

Collector with integrated shut-off valve with 1" F inlet / two 24x 19M branches / one M28x1.5 branch, suited for creating joints inside the rooms, which can be exposed and have a shut-off, in compliance with UNI 7129.
The pack includes:
- Screws, plugs and spacers for wall-mounted installation.
- Nut M28x1.5 (1) that can be used with the brass ogive (2) supplied for connection to copper piping Ø22 mm, or with the blind adapter D22 (3) and relative o-ring in HNBR 18x2.5 (4) provided in order to seal the outlet if not used.
Note: fitting seals, see gas monobloc section

Dimension	Pcs. pack	Code	Price €
1" F	1	09812566	54,60

Lateral branches: 24x19 Male
Head branch: M28 x 1.5

Threads 1": Rp (UNI EN 10226-1)



Female cap 24x19 for gas

Dimension	Pcs. pack	Code	Price €
Female cap 24x19	20	01321460	2,99

Fitting to be used to plug the 24x19 male branches of the valve with first inlet manifold.



Straight with female swivel nut, o-ring fitting

Dimension	Profile	Pcs. pack	Code	Price €
Ø 26 - M 28 x 1,5	B (KSP1) / TH (KSP11)	2	28125250	20,82

Fitting accessory for derivation M28x1,5 alve with manifold first inlet



Built-in box for valve with gas manifold first inlet

Dimension	Pcs. pack	Code	Price €
264x164x110	1	13010000	30,87

Items inside the package:
- 4 adjustable extension cables for DN16 - DN18 - DN20 - DN26 - DN32 pipes
- 2 M4x50 screws with relative washers and nuts

Dimensions: see section Technical Attachments

Tooling for Gerpex and Gaspex

WEB

SCAN





Manual pressing machine

360° rotating head - Telescopic arms, extensible 200 mm
Instrument weight: approximately 3 Kg
Instrument lenght: 560 - 760 mm - Thrust force: min. 32 kN
Press fittings: from DN 14 to DN 32

Model	Pcs. pack	Code	Price €
	1	28101840	1.253,00



Dies for manual pressing machine and insert holder for SPM19

Dimension	Profile	Pcs. pack	Code	Price €
16 x 2	TH (KSP11)	1	28100640	118,50
20 x 2	TH (KSP11)	1	28100642	118,50
26 x 3	TH (KSP11)	1	28100644	124,20
32 x 3	TH (KSP11)	1	28100646	124,20



SPM32-230 230 V electrohydraulic pressing machine for Gerpex grippers DN14 to DN75

NEW

Weight: 4.1 kg
Dimensions LxHxS: 410x296x80 mm
Thrust force: min. 32kN - Power supply: 230 VAC, 50 Hz
Power consumption: 450 W - Degree of protection: IP40
Clamping time: 8 to 12 s depending on diameter
Operating temperature: -20 °C TO 50 °C
Head can be rotated 360°
Sound pressure level: <70 dB(A)
Automatic piston return
USB connection for remote diagnosis
LEDs for malfunction and operating status indication
Complete with plastic carrying case.

Model	Pcs. pack	Code	Price €
SPM32-230	1	28122060	3.630,04



SPM32-18 electrohydraulic battery-operated 18 V press machine for Gerpex grippers DN14 to DN75

NEW

Weight including battery: 4.8 kg
Dimensions LxHxS: 409x335x82 mm
Thrust force: min. 32kN
Power supply: 18 VDC - Battery charge: 230 V, 50 Hz
Battery capacity: 5.0 Ah
Degree of protection: IP40 Charging time: approx 40 min
Pressures per battery: ca 200 (DN20)
Clamping time: 4 to 7 s depending on diameter
Operating temperature: -20 °C TO 50 °C
Head can be rotated 360°
Automatic piston return
USB connection for remote diagnosis
LEDs for malfunction and operating status indication
Complete with black plastic carrying case, Lithium-ion (Li-Ion) 18 V battery, battery charger, USB cable, USB stick with analysis software.

Model	Pcs. pack	Code	Price €
SPM32-18	1	28122062	4.764,10



18V battery for SPM32-18 electrohydraulic press machine

NEW

Lithium-ion (Li-Ion) battery -Weight: 720 g
Battery capacity: 5.0 Ah

Model	Pcs. pack	Code	Price €
18 V	1	28122064	448,50



Case for jaws

Dimension	Pcs. pack	Code	Price €
	1	28122012	197,10

Suitable for jaws up to 40



Gerpex jaws

Dimension	Profile	Pcs. pack	Code	Price €
14 x 2	B (KSP1)	1	28100629	296,90
14 x 2 (*)	B (KSP1)	1	28100201	296,90
16 x 2	TH (KSP11)	1	28100630	331,40
18 x 2	B (KSP1)	1	28100631	334,30
20 x 2	TH (KSP11)	1	28100632	331,40
26 x 3	TH (KSP11)	1	28100634	357,00
32 x 3	TH (KSP11)	1	28100636	357,00
40 x 3,5	TH (KSP11)	1	28100650	459,70
50 x 4	TH (KSP11)	1	28100652	472,10
63 x 4,5	TH (KSP11)	1	28100654	2.033,00

(*) Item to be out of stock



Gerpex jaws

Dimension	Profile	Pcs. pack	Code	Price €
75	TH (KSP11)	1	28100656	2.729,00



SPM19 battery pressing machine 18V for Gerpex jaw with dies from DN 16 to DN 32

Weight (battery included): 2,3 Kg – Dimensions LxHxS: 371x100x74 mm
Feed force: min 19 kN – Power supply: 18 V DC – Battery power: 230 V, 50 Hz – Battery capacity: 2,0 Ah – Charging time: 30 minutes aprox
Pressing time: from 3 to 4 s (depending on the nominal width)
Operation temperature range: -10 °C ÷ 40 °C
Sound level: 75 dB(A) in 1 m distance
Vibrations: < 2,5 m/s² (real value pondered by the acceleration)
360° rotating head - Automatic piston retraction
USB connection for remote diagnosis - Optical malfunction report and working state indicator -Complete with metal case, battery 18 V, battery charger, USB cable, analysis software.

Model	Pcs. pack	Code	Price €
SPM19	1	28101826	3.821,00



Gerpex jaw for SPM19 pressing machine

Dimension	Pcs. pack	Code	Price €
	1	28101828	409,10



Dies for jaw for manual pressing machine and insert holder for SPM19

Dimension	Profile	Pcs. pack	Code	Price €
16 x 2	TH (KSP11)	1	28100640	118,50
20 x 2	TH (KSP11)	1	28100642	118,50
26 x 3	TH (KSP11)	1	28100644	124,20
32 x 3	TH (KSP11)	1	28100646	124,20



Battery 18 V for SPM19 pressing machine

Battery Lithium-Ion (Li-ion)
Weight: 430 g

Dimension	Pcs. pack	Code	Price €
2 Ah	1	28101821	405,20



Battery charger 18 V for SPM19 pressing machine

Dimension	Pcs. pack	Code	Price €
	1	28101824	272,20



230 V adapter for SPM19 pressing machine

Dimension	Pcs. pack	Code	Price €
	1	28101822	1.191,00

Permits power supply to the SPM19 pressing machine, directly at 230 V, replacing the 18 V battery



Flarer and calibrator Ø 14 - Ø 16 - Ø 18 - Ø 20 - Ø 26

Dimension	Pcs. pack	Code	Price €
Ø 14	1	28100960	52,71
Ø 16	1	28100962	54,19
Ø 18	1	28100964	54,19
Ø 20	1	28100966	56,81
Ø 26	1	28100968	56,81



Flarer and calibrator Ø 16-20-26

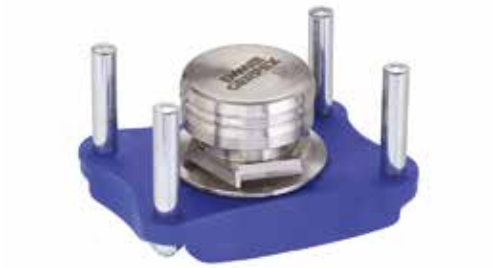
Dimension	Pcs. pack	Code	Price €
Ø 16-20-26	1	28100959	77,17

Tooling for Gerpex and Gaspex



Flarer and calibrator Ø 32

Dimension	Pcs. pack	Code	Price €
Ø 32	1	28100949	51,60



Flarer and calibrator Ø 40 - Ø 50

Dimension	Pcs. pack	Code	Price €
Ø 40	1	28100946	68,47
Ø 50	1	28100947	114,80



Flarer and calibrator Ø 63

Dimension	Pcs. pack	Code	Price €
Ø 63	1	28100972	140,60



Flarer and calibrator Ø 75

Dimension	Pcs. pack	Code	Price €
Ø 75	1	28100885	202,50



Shear for Multilayer Pipe

NEW

Dimension	Pcs. pack	Code	Price €
Up to DN26	1	28101890	146,71
Spare blade	1	28101892	61,26



Shear for multi-layer pipe

Dimension	Pcs. pack	Code	Price €
Ø 26 ÷ 40	1	28101812	231,50
Spare blade for cutter Ø 14 ÷ 26 (*)	1	28101810	50,45
Spare blade for cutter Ø 26 ÷ 40	1	28101814	89,43

(*) suitable with shear code 28101808



Gerpex shear

Dimension	Pcs. pack	Code	Price €
Ø 14 ÷ 32	1	28100942	74,66
Spare blade for cutter	1	28100943	22,49



Pipe cutter for Gerpex

Dimension	Pcs. pack	Code	Price €
Pipe cutter Ø 14 ÷ 32	1	28100944	85,09
Spare part wheel	1	28100948	30,04
Pipe cutter Ø 6 ÷ 75	1	28024081	216,70



Internal spring for bending pipe

Dimension	Pcs. pack	Code	Price €
Ø 16 L=500 mm	1	28100616	21,30
Ø 18 L=500 mm	1	28100618	22,42
Ø 20 L=500 mm	1	28100620	22,42
Ø 26 L=1000 mm	1	28100626	37,56



External spring for bending pipe

Dimension	Pcs. pack	Code	Price €
Ø 16 L=500 mm	1	28100716	33,57
Ø 20 L=500 mm	1	28100720	33,55



Hydraulic bending machine for Gerpex pipe

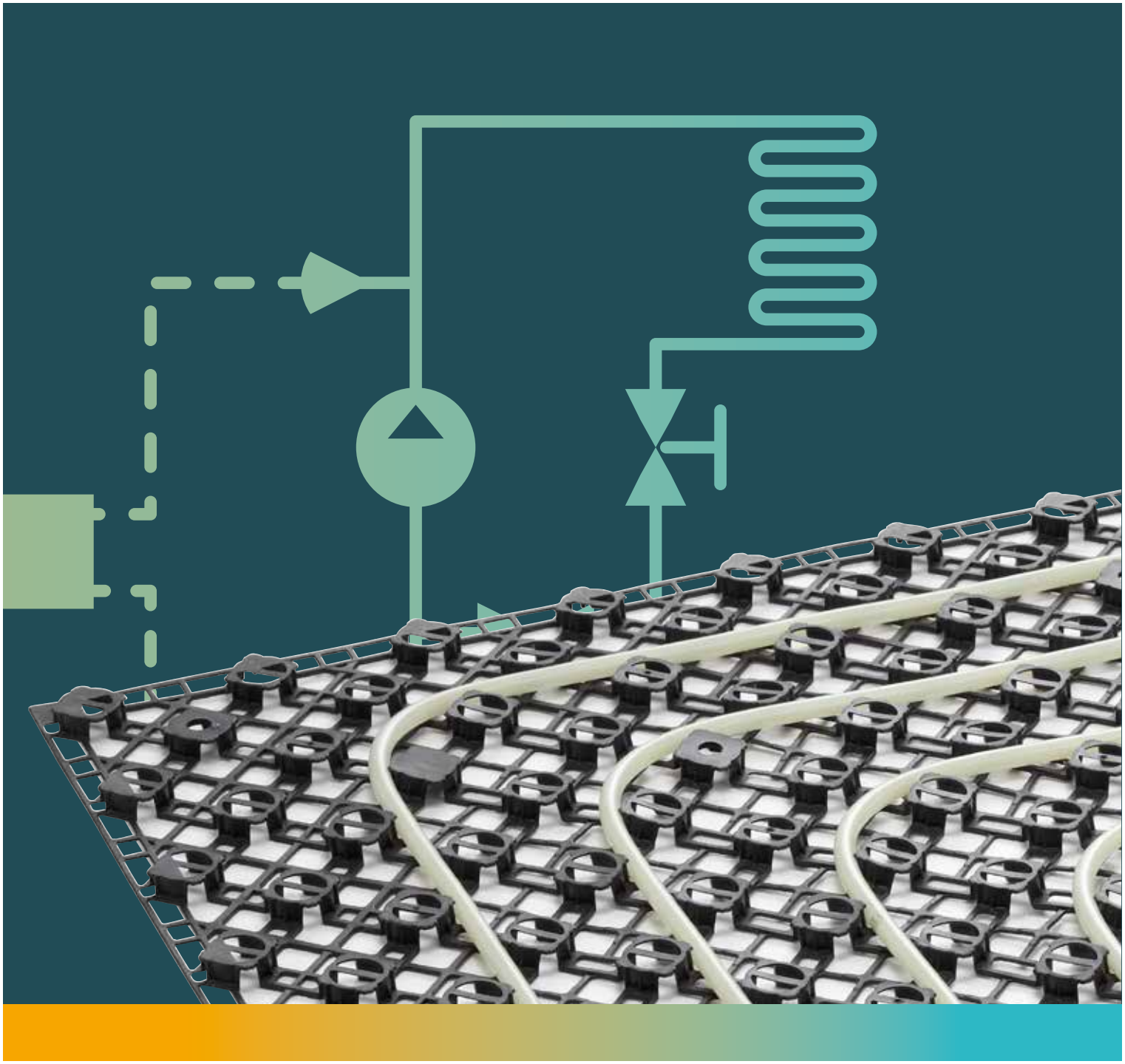
Dimension	Pcs. pack	Code	Price €
Ø 26 ÷ 32	1	28100920	1.047,00

Complete with case, shape Ø 26 and Ø 32



Forms and Shapes for bending machine

Dimension	Pcs. pack	Code	Price €
Form Ø 16	1	28104002	94,43
Form Ø 20	1	28104006	97,02
Shape 14÷16	1	28104010	135,10
Shape 18÷20	1	28104012	135,10



Emmeti Floor

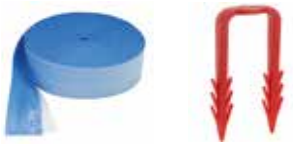
Floor heating and cooling systems

WEB

SCAN

> Insulating panels  69

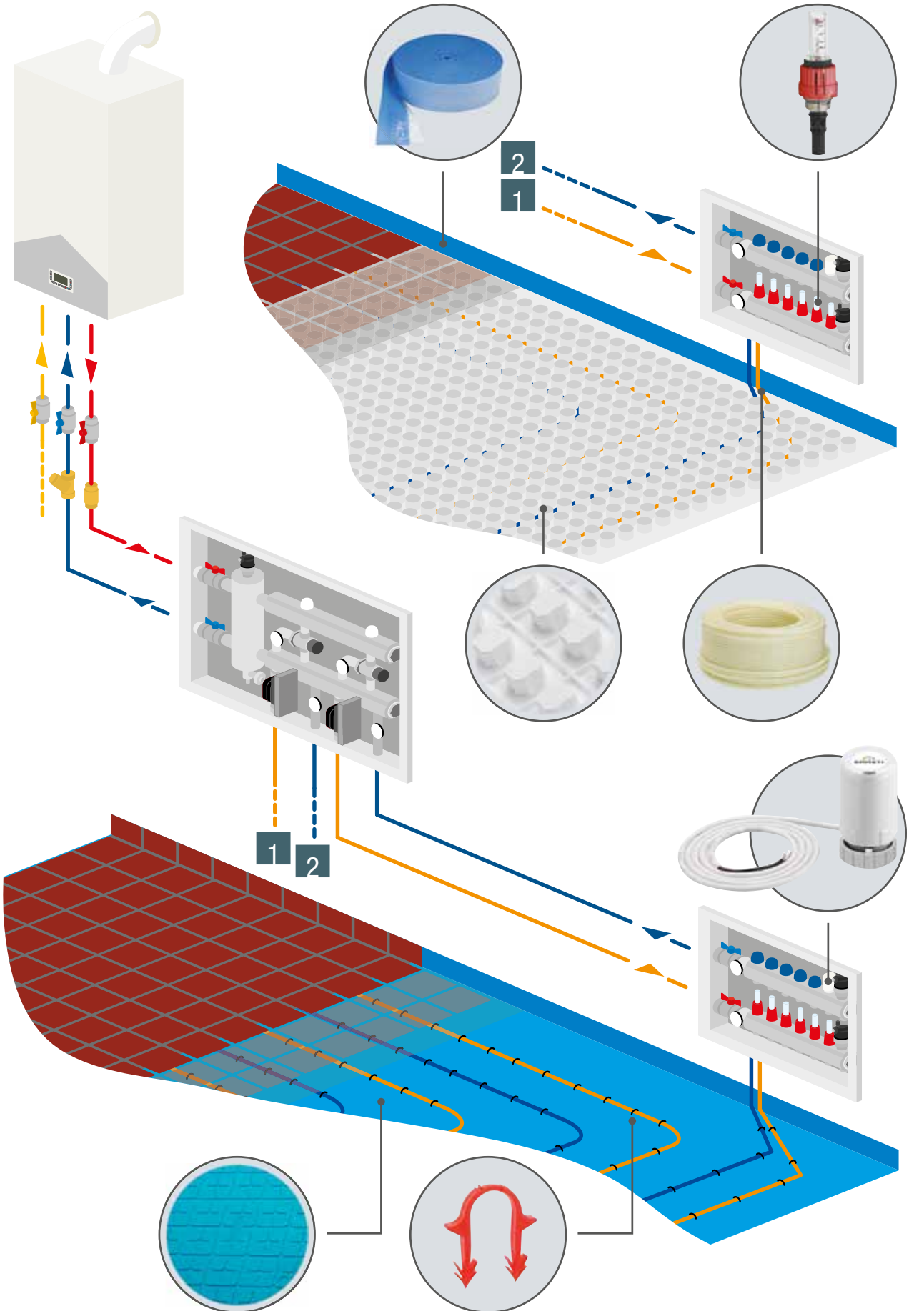
> Pipes  93

> Accessories  95

> Floor heating and cooling industrial system  101

> Emmeti Clima Floor
Product for radiant heating system:
See "Catalogue Price List Air Conditioning"  109

Example of installation



Emmeti Floor

Floor heating and cooling system









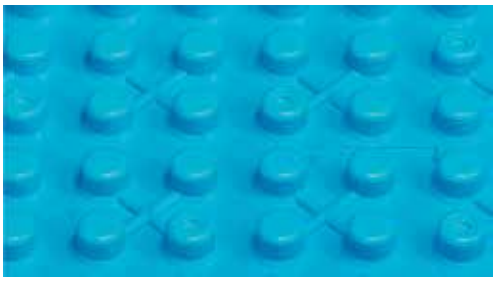
The growing success which underfloor heating is obtaining on a world level is logical and well-deserved.
Modern calculation systems, proved constructional techniques, innovative materials and improved thermal insulation conditions in buildings, are the requirements which have made possible the unstoppable advance of this heating solution.
The distribution of heated air in the room is uniform, the heat radiated from the floor transmits energy to the walls, which disperse it, reducing the thermal load affecting the people occupying the room.
The low temperature of the floor, around 23 °C, avoids the circulation and decomposition of dust in the rooms, a source of irritation to the respiratory tract and of the characteristic black smudges on the walls.

The Emmeti underfloor heating plant range offers special components for the simple and rapid creation of durable and reliable systems which provide excellent standards of comfort.
The high quality of the products, the technical characteristics of the materials used and the extreme flexibility of fittings, make it possible to install underfloor heating in any type of building for domestic, commercial, industrial or sporting use, in offices, places of worship and buildings of historical value.
The Emmeti Floor system is invisible and does not limit furnishing options in the rooms.

Dimensions: see section Technical Attachments.

Emmeti Floor - Insulating panels





CE
UNI EN 13163

Standard Floor insulating panel

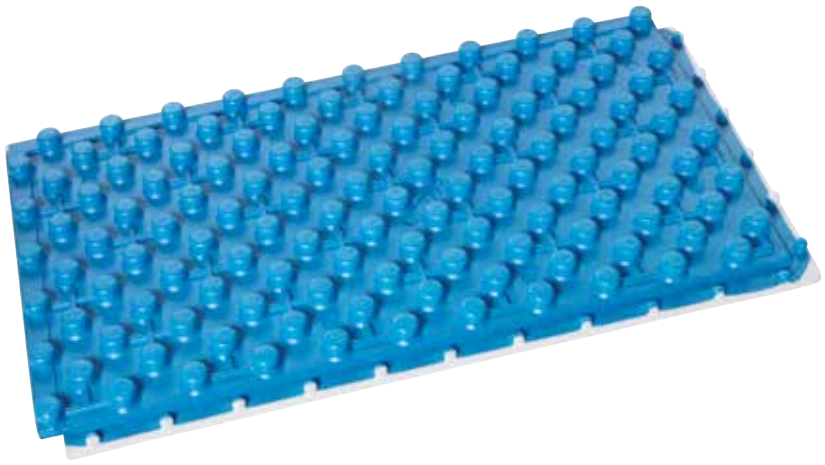
Dimension	Density	Pack m²	Code	Price € pack	€/m²
1100 x 600 x 32 / H10 (**)	30 kg/m³	14,52	28134044	244,10	16,81
1100 x 600 x 32 / H10	40 kg/m³	14,52	28130079	300,80	20,72
1100 x 600 x 48 / H20 (*)	25 kg/m³	7,92	28134042	136,30	17,21
1100 x 600 x 48 / H20 (*) (**)	25 kg/m³	9,24	28134043	171,60	18,57
1100 x 600 x 48 / H20	30 kg/m³	9,24	28134068	177,10	19,17
1100 x 600 x 63 / H30	30 kg/m³	6,6	28134050	146,30	22,17

Panel in expanded polystyrene (EPS) printed for thermal insulation, with surface bosses and cylindrical edges, clad in a rigid polystyrene film. Pipe spacing 5 cm.

(*) Item to be out of stock

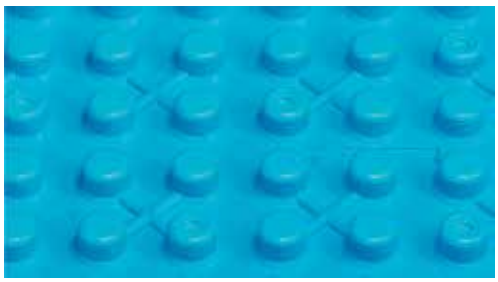
(**) Items on request: 20 days to order confirm

Technical data	Norm	Model H10 (28134044)	Model H10 (28130079)	Model H20 (*) (28134042)	Model H20 (28134043)	Model H20 (28134068)	Model H30 (28134050)
Type	UNI EN 13163	EPS 200	EPS 250	EPS 150	EPS 150	EPS 200	EPS 200
Density	UNI EN 1602	30 kg/m³	40 kg/m³	25 kg/m³	25 kg/m³	30 kg/m³	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa	≥ 250 kPa	≥ 150 kPa	≥ 150 kPa	≥ 200 kPa	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,032 W/mK	0,033 W/mK	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,30 m² K/W	0,30 m² K/W	0,60 m² K/W	0,60 m² K/W	0,60 m² K/W	0,90 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E	Euroclass E	Euroclasse E	Euroclass E
Water absorption	EN 12087	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor μ	UNI EN 12086	40 ÷ 100	40 ÷ 100	40 ÷ 100	40 ÷ 100	40 ÷ 100	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	10 mm	10 mm	20 mm	20 mm	20 mm	30 mm
Total lenght		1135 mm	1135 mm	1135 mm	1135 mm	1135 mm	1135 mm
Total width		635 mm	635 mm	635 mm	635 mm	635 mm	635 mm
Total thickness		32 mm	32 mm	48 mm	48 mm	48 mm	63 mm
Coating film thickness		0,16 mm	0,16 mm	0,16 mm	0,16 mm	0,16 mm	0,16 mm
Pipe spacing		50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
External Ø of installing pipes		16-17 mm	16-17 mm	16-17 mm	16-17 mm	16-17 mm	16-17 mm
Pack		14,52 m²	14,52 m²	7,92 m²	9,24 m²	9,24 m²	6,6 m²





H = 10/20/30 mm



Standard Floor insulating panel

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1100 x 600 x 68 / H40	30 kg/m³	5,28	28134062	159,90	30,28
1100 x 600 x 78 / H50 (*)	30 kg/m³	4,62	28130093	166,60	36,06
1100 x 600 x 88 / H60 (*)	30 kg/m³	3,96	28134064	167,90	42,40

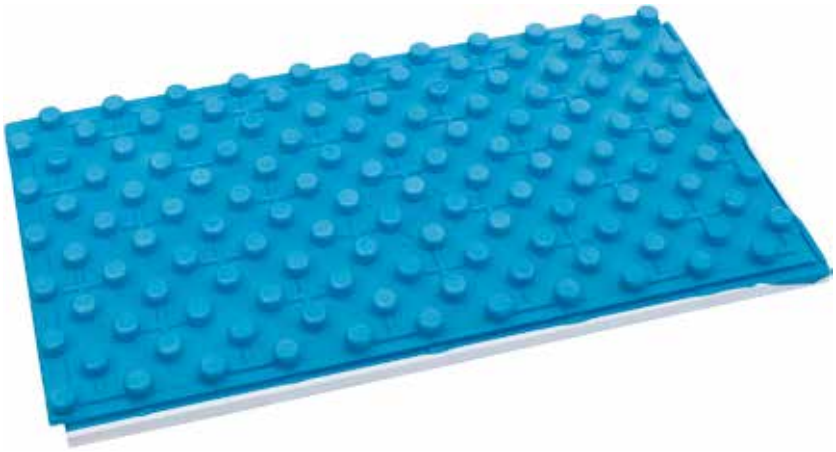
Panel in expanded polystyrene (EPS) printed for thermal insulation, with surface bosses and peripheral interlocking joints, clad in a rigid polystyrene film. Pipe spacing 5 cm.

(*) Available on request: 20 days to order confirm

CE

UNI EN 13163

Technical data	Norm	Model H40	Model H50	Model H60
Type	UNI EN 13163	EPS 200	EPS 200	EPS 200
Density	UNI EN 1602	30 kg/m³	30 kg/m³	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa	≥ 200 kPa	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	1,40 m² K/W	1,75 m² K/W	2,05 m² K/W
Class of reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor⌈μ	UNI EN 12086	40 ÷ 100	40 ÷ 100	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	40 mm	50 mm	60 mm
Total lenght		1120 mm	1120 mm	1120 mm
Total width		620 mm	620 mm	620 mm
Total thickness		68 mm	78 mm	88 mm
Coating film thickness		0,16 mm	0,16 mm	0,16 mm
Pipe spacing		50 mm	50 mm	50 mm
External Ø of installing pipes		16-17 mm	16-17 mm	16-17 mm
Pack		5,28 m²	4,62 m²	3,96 m²





H = 40/50/60 mm

Floor system



Standard Combi Floor insulating panel

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1200 x 800 x 32 / H10	30 kg/m³	18,24	28134075	318,00	17,43
1200 x 800 x 42 / H20	25 kg/m³	13,44	28134077	291,00	21,65
1200 x 800 x 52 / H30	25 kg/m³	9,6	28134079	225,00	23,44

Panel in expanded polystyrene (EPS) printed for thermal insulation, with surface bosses and cylindrical edges, coupled with thermoformed rigid polystyrene film. Pipe spacing 5 cm.

CE

UNI EN 13163

Technical data	Norm	Model H10	Model H20	Model H30
Type	UNI EN 13163	EPS 200	EPS 150	EPS 150
Density	UNI EN 1602	30 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,45 m² K/W	0,80 m² K/W	1,10 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor μ	UNI EN 12086	40 ÷ 100	30 ÷ 70	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	10 mm	20 mm	30 mm
Total lenght		1250 mm	1250 mm	1250 mm
Total width		850 mm	850 mm	850 mm
Total thickness		32 mm	42 mm	52 mm
Coating film thickness		0,65 mm	0,65 mm	0,65 mm
Pipe spacing		50 mm	50 mm	50 mm
External Ø of installing pipes		16-17 mm	16-17 mm	16-17 mm
Pack		18,24 m²	13,44 m²	9,60 m²







CE

UNI EN 13163

Insulating panel Standard Combi Floor with graphite

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1200 x 800 x 32 / H10 (*)	30 kg/m³	18,24	28134032	375,70	20,16
1200 x 800 x 45 / H23 (*)	25 kg/m³	12,48	28134121	313,90	25,15
1200 x 800 x 60 / H38 (*)	25 kg/m³	7,68	28134123	245,10	31,91
1200 x 800 x 67 / H45 (*)	25 kg/m³	7,68	28134039	270,50	35,22
1200 x 800 x 82 / H60 (*)	25 kg/m³	5,76	28134125	253,00	43,92

Panel in expanded polystyrene (EPS) printed, additived with graphite, for thermal insulation, with surface bosses and cylindrical edges, coupled with thermoformed rigid polystyrene film.
Pipe spacing 5 cm.

(*) Item on request: 30 days to order confirm

Technical data	Norm	Model H10	Model H23	Model H38	Model H45	Model H60
Type	UNI EN 13163	EPS 200	EPS 150	EPS 150	EPS 150	EPS 150
Density	UNI EN 1602	30 kg/m³	25 kg/m³	25 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,030 W/mK	0,030 W/mK	0,030 W/mK	0,030 W/mK	0,030 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,30 m² K/W	0,75 m² K/W	1,25 m² K/W	1,50 m² K/W	2,00 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 2%	< 2%	< 2%	< 2%	< 2%
Resistance factor diffusion to water vapor μ	UNI EN 12086	40 ÷ 100	40 ÷ 100	40 ÷ 100	40 ÷ 100	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	10 mm	23 mm	38 mm	45 mm	60 mm
Total lenght		1250 mm	1250 mm	1250 mm	1250 mm	1250 mm
Total width		850 mm	850 mm	850 mm	850 mm	850 mm
Total thickness		32 mm	45 mm	60 mm	67 mm	82 mm
Coating film thickness		0,65 mm	0,65 mm	0,65 mm	0,65 mm	0,65 mm
Pipe spacing		50 mm	50 mm	50 mm	50 mm	50 mm
External Ø of installing pipes		16-17 mm	16-17 mm	16-17 mm	16-17 mm	16-17 mm
Pack		18,24 m²	12,48 m²	7,68 m²	7,68 m²	5,76 m²





Floor system



Insulating panel Classic Floor with coating film (polystyrene rigid film, thickness 0,16 mm)

	Dimension	Density	Pack m²	Code	Price € pack	€/m²
NEW	1200 x 750 x 50 / H20 (*)	20 kg/m³	12,6	28134014	215,50	17,10
	1200 x 750 x 65 / H30 (*)	30 kg/m³	9	28130099	225,80	25,08

Panel in expanded polystyrene (EPS) printed for thermal insulation, with surface bosses and peripheral interlocking joints, coated with polystyrene rigid film. Pipe spacing: 7,5 cm.

(*) Available on request: 20 days to order confirm

CE

UNI EN 13163

Technical data	Norm	Model H20	Model H30
Type	UNI EN 13163	EPS 100	EPS 200
Density	UNI EN 1602	20 kg/m³	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 100 kPa	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,035 W/mK	0,033 W/mK
Thermic resistance R_D	UNI EN 12667	0,55 m² K/W	1,15 m² K/W
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,55 m² K/W	1,15 m² K/W
Class of reaction to fire	UNI EN ISO 11925	Euroclase E	Euroclass E
Water absorption	EN 12087	< 4%	< 5%
Factor of resistance to diffusion of water vapor μ	UNI EN 12086	30 ÷70	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	20 mm	30 mm
Total lenght		1220 mm	1220 mm
Total width		770 mm	770 mm
Total thickness		50 mm	65 mm
Film coating thickness		0,16 mm	0,16 mm
Pipe spacing		75 mm	75 mm
Externa Ø of installing pipes		16-17-20 mm	16-17-20 mm
Pack		12,6 m²	9 m²







Step Combi Floor phono-insulating panel

Dimension	Pack m²	Code	Price € pack	€/m²
1400 x 800 x 51 / H30-2	6,72	28134098	163,70	24,36

Panel in elasticized expanded polystyrene (EPS-T) printed for thermal and acoustic insulation (from footstep noise), with surface bosses and cylindrical edges, coupled with thermoformed rigid polystyrene film. Pipe spacing 5 cm.

CE

UNI EN 13163

Technical data	Norm	Model H35
Type	UNI EN 13163	EPS-T
Dinamic stiffness	EN 29052-1 / UNI EN 13163	< 20 MN/m³/SD20
Comprensibility	EN 12431 / UNI EN 13163	≤ 2 mm/CP2
ΔLw** (index of evaluation of attenuation of the level of sound pressure on the walkway)	UNI EN 12354-2	28 dB
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,04 W/mK
Thermal resistance $R_{\lambda ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,75 m² K/W
Class of reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Slab thickness S_{ins}	UNI EN 1264-3	30-2 mm
Total lenght		1450 mm
Total width		850 mm
Total thickness		51 mm
Coating film thickness		0,6 mm
Pipe spacing		50 mm
External Ø of installating pipes		16 - 17 mm
Pack		6,72 m²

Reference to technical data table:
**** forecast calculation for systems with "slab + resilient layer" system (floating flooring), valid for concrete and cement block floors, as per the simplified model set forth by standard EN 12354-2, table C1.**
Conditions:
mass per unit of area of the slab: 100 kg/m² - dynamic rigidity of the resilient slab: 20 MN/m³





Floor system



Step Combi Floor phono-insulating panel with graphite

Dimension	Pack m²	Code	Price € pack	€/m²
1400 x 800 x 51 / H30-2	6,72	28134270	189,80	28,24

Panel in elasticized expanded polystyrene (EPS-T) printed, double density, added with graphite, for thermal and acoustic insulation (from footstep noise), with surface bosses and cylindrical edges,
coupled with thermoformed rigid polystyrene film. Pipe spacing 5 cm.

Item on request: 20 days from order confirm.

CE

UNI EN 13163

Technical data	Norm	Model H30
Type	UNI EN 13163	EPS-T
Dinamic stiffness	EN 29052-1 / UNI EN 13163	< 20 MN/m³/SD20
Comprensibility	EN 12431 / UNI EN 13163	≤ 2 mm/CP2
ΔLw** (index of evaluation of attenuation of the level of sound pressure on the walkway)	UNI EN 12354-2	28 dB
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,032 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,90 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Slab thickness S_{ins}	UNI EN 1264-3	30-2 mm
Total lenght		1450 mm
Total width		850 mm
Total thickness		51 mm
Coating film thickness		0,6 mm
Pipe spacing		50 mm
External Ø of installing pipes		16 - 17 mm
Pack		6,72 m²

Reference to technical data table:
**** forecast calculation for systems with "slab + resilient layer" system (floating flooring), valid for concrete and cement block floors, as per the simplified model set forth by standard EN 12354-2, table C1.**
Conditions:
mass per unit of area of the slab: 100 kg/m² - dynamic rigidity of the resilient slab: 20 MN/m³





CE

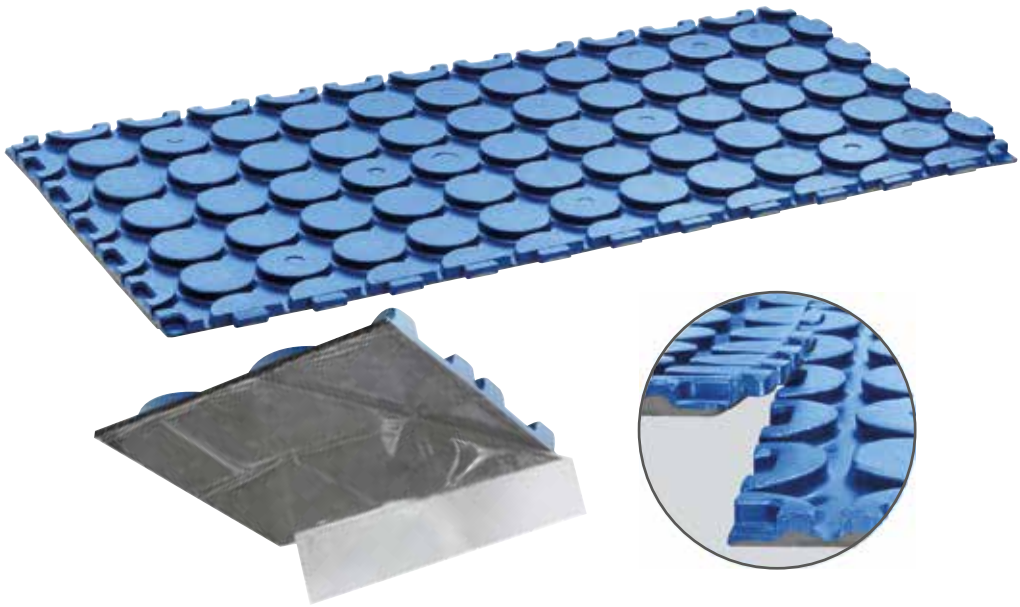
UNI EN 13163

Insulating panel Thin Floor with graphite with self-adhesive base

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1200 x 600 x 19 / H5	40 kg/m³	12,96	28134048	434,70	33,54

Panel in expanded polystyrene (EPS) printed, treated with graphite, for thermal insulation, with surface bosses (100 mm pitch, for pipe DN 12x2), edges Male-Female, self-adhesive base and upper rigid polystyrene film.
Ideal for renovation projects, thanks to the low profile, in combination with the latest generation of fluid screeds, enables the construction of plants with thick (cladding excluded) minimum of 30 mm, without compromising the thermal insulation guaranteed by the layer in EPS.
Note:
the actual Slab thickness Sins and construction procedures to be defined by the manufacturer / supplier of the same according to his specifications, depending on the installation conditions (size and surface type of installation, type loft, etc.) and the type of slab chosen.
The choice of surface finish should take into account the type and used screed.

Technical data	Norm	Model H5
Type	UNI EN 13163	EPS 250
Density	UNI EN 1602	40 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 250 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,031 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,15 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Resistance factor diffusion of water vapor⌈μ	UNI EN 12086	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	5 mm
Total lenght		1215 mm
Total width		615 mm
Total thickness		19 mm
Coating film thickness		0,16 mm
Pipe spacing		100 mm
External Ø of installing pipes		12 mm
Pack		12,96 m²



Sistema a pavimento



Project Emmeti Floor insulating panel NEW

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1200 x 800 x 47 / H20	25 kg/m³	14,40	28134052	230,20	15,99
1200 x 800 x 57 / H30	25 kg/m³	10,56	28134054	210,00	19,89
1200 x 800 x 69 / H41	25 kg/m³	8,64	28134154	220,62	25,53

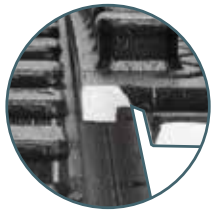
EPS 150 type closed cell sintered expanded polystyrene panel, hot coated with a compact PS film 160 micron thick. Pipe pitch 5 cm.

CE

UNI EN 13163

Technical data	Norm	Model H20	Model H30	Model H41
Type	UNI EN 13163	EPS 150	EPS 150	EPS 150
Density	UNI EN 1602	25 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins} / λ_{ins})	UNI EN 1264-3: 2021	0,60 m²K/W	0,90 m²K/W	1,25 m²K/W
Class to reaction to fire	EN 13501-1	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor μ	UNI EN 12086	30 ÷ 70	30 ÷ 70	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	20 mm	30 mm	41 mm
Total lenght		1230 mm	1230 mm	1230 mm
Total width		830 mm	830 mm	830 mm
Total thickness		46,5 mm	56,5 mm	67,5 mm
Coating film thickness		0,16 mm	0,16 mm	0,16 mm
Pipe spacing		50 mm	50 mm	50 mm
External Ø installable pipes		16-17 mm	16-17 mm	16-17 mm
Pack		14,40 m²	10,56 m²	8,64 m²







Plan Floor insulating panel

Dimension	Density	Pack m²	Code	Price € pack	€/m²
1100 x 600 x 30 / H30	30 kg/m³	10,56	28130072	222,70	21,09

Smooth panel in expanded polystyrene (EPS) printed for thermal insulation, with surface impressions for the laying of pipes and peripheral interlocking joints. Covered with a rigid polystyrene film. Footprints pipe 5 cm.

CE

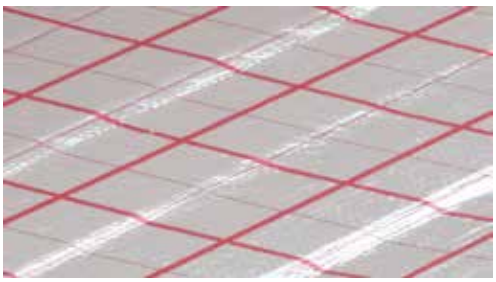
UNI EN 13163

Technical data	Norm	Model H30
Type	UNI EN 13163	EPS 200
Density	UNI EN 1602	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,90 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Resistance factor diffusion of water vapor μ	UNI EN 12086	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	30 mm
Total lenght		1120 mm
Total width		620 mm
Total thickness		30 mm
Coating film thickness		0,16 mm
Pipe spacing		50 mm
Pack		10,56 m²





Floor system



CE

UNI EN 13163

Roll Floor insulating panel

Dimension	Density	Pack m²	Code	Price € pack	€/m²
10000 x 1000 x 30 / H20 (*)	25 kg/m³	10	28134256	176,90	17,69
10000 x 1000 x 30 / H30	25 kg/m³	10	28134250	198,50	19,85
10000 x 1000 x 40 / H40 (*)	25 kg/m³	10	28134252	225,70	22,57
10000 x 1000 x 50 / H50 (*)	25 kg/m³	10	28134254	261,00	26,10
6000 x 1000 x 60 / H60 (*)	25 kg/m³	6	28134258	195,00	32,50

Panel smooth in roll, consisting of slats (dimensions: 100 x 1000 mm) made of expanded polystyrene (EPS) printed for thermal insulation, coupled to a film HDPE with red color aluminum track laying step 5 cm and self-adhesive edge.

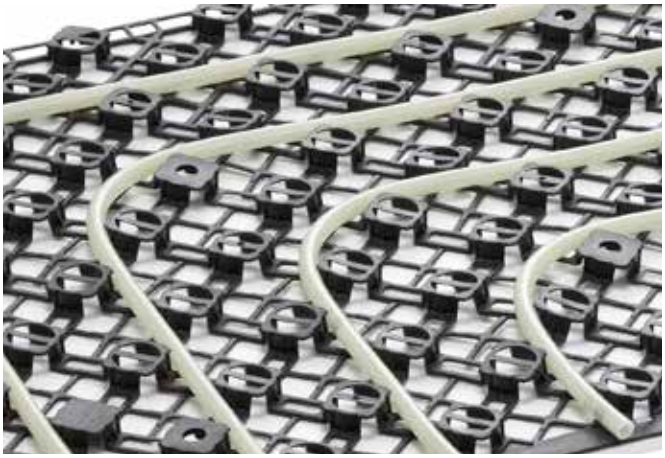
(*) Available on request: 20 days from order confirmation

Technical data	Norm	Model H20	Model H30	Model H40	Model H50	Model H60
Type	UNI EN 13163	EPS 150	EPS 150	EPS 150	EPS 150	EPS 150
Density	UNI EN 1602	25 kg/m³	25 kg/m³	25 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,60 m² K/W	0,90 m² K/W	1,20 m² K/W	1,50 m² K/W	1,85 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 5%	< 5%	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor⌈μ	UNI EN 12086	30 ÷ 70	30 ÷ 70	30 ÷ 70	30 ÷ 70	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	20 mm	30 mm	40 mm	50 mm	60 mm
Total lenght		10.000 mm	10.000 mm	10.000 mm	10.000 mm	6.000 mm
Total width		1.000 mm	1.000 mm	1.000 mm	1.000 mm	1.000 mm
Total thickness		20 mm	30 mm	40 mm	50 mm	60 mm
Coating film thickness		0,16 mm	0,16 mm	0,16 mm	0,16 mm	0,16 mm
Pipe spacing		50 mm	50 mm	50 mm	50 mm	50 mm
Pack		10 m²	10 m²	10 m²	10 m²	6 m²





Grid Floor System



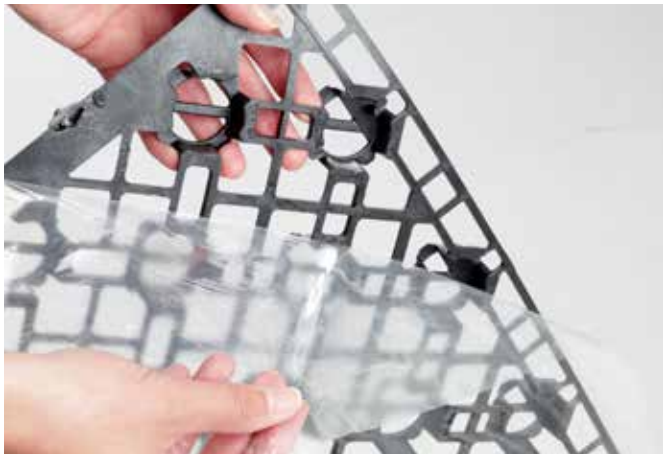
Grid Floor panel for DN12 pipe



Grid Floor panel for DN16-17 pipe



Detail of perimeter joints



Particular adhesive bottom film

WEB

SCAN

The new range of Grid Floor panels for the construction of radiant floor systems is characterized by the particular shape of the grid in recycled plastic material (polypropylene), which combines the simplicity of laying the pipes of the ashlar systems, with the advantages of flat systems. . The pipes are firmly hooked to the panels and are completely in contact with the screed, which can completely fill the perforated bosses, improving the heat exchange of the system.

The range

- Grid floor panel for DN12 pipe with self-adhesive base, thickness 15mm;
- Grid floor panel for DN12 pipe coupled with EPS150 sheet, thickness 15 + 10 mm;
- Grid floor panel for DN16 / 17 pipe coupled with EPS150 sheet, thickness 22 + 10 mm;
- Grid floor panel for DN16 / 17 pipe coupled with EPS150 sheet, thickness 22 + 25 mm;
- Grid floor panel for DN16 / 17 pipe coupled with EPS150 sheet, thickness 22 + 42 mm.

Dimensions: see section Technical Attachments

Advantages

Impact resistant bosses and shaped for optimal blocking of pipes.
Heat exchange and homogeneous distribution of the surface temperature.
Excellent compatibility with low thickness fluid screeds (levelling).
Ideal for renovations, thanks to the reduced thickness of the panels.
The model for DN12 pipe and 15 mm thickness with self-adhesive base, applied on existing floors, allows a covering thickness of only 5 mm using the special Knauf NE499 Super-levelling, for a total footprint of the panel + screed system of only 20 mm!



Grid Floor panel for DN12 pipe, with self-adhesive base

Dimensions	Pack m²	Code	Price € pack	€/m²
1200x600x15 / H0	15,84	28134168	527,90	33,33

Support panel in recycled plastic material (polypropylene) for the construction of radiant systems with reduced thickness, equipped with perimeter joints and self-adhesive base for gluing on existing flooring or substrate, previously treated with primer ("anchored" floor system). Allows the use of very low thickness fluid screeds (levelings) with a minimum thickness of 5 mm above the panel

Technical data	Model H0
Total lenght	1220 mm
Total width	620 mm
Total thickness	15 mm
Bosses thickness	15 mm
Pipe spacing	50 mm
External Ø of installing pipes	12 mm
Pack	15,84 m²









Grid Floor insulating panels for DN12 pipe

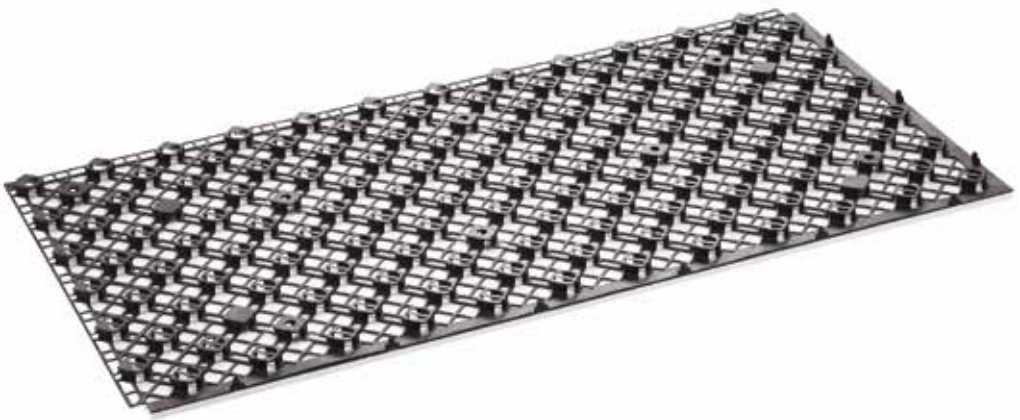
Dimensions	Density	Pack m²	Code	Price € pack	€/m²
1200x600x25 / H10	25 kg/m³	7,20	28134166	269,00	37,36

Support panel in recycled plastic material (polypropylene) for the construction of radiant systems with reduced thickness, coupled with a flat insulation in Expanded Sintered Polystyrene (white EPS 150). Equipped with perimeter joints.

CE

UNI EN 13163

Technical data	Norm	Model H10
Type	UNI EN 13163	EPS 150
Recycled material (%)		≥ 10 %
Density	UNI EN 1602	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK
Thermic resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3:2021	0,30 m² K/W
Class of reaction fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 3%
Factor of resistance to diffusion of water vapor↑μ	UNI EN 12086	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	10 mm
Total lenght		1220 mm
Total width		620 mm
Total thickness		25 mm
Bosses thickness		15 mm
Pipe spacing		50 mm
External Ø of installing pipes		12 mm
Pack		7,20 m²







Grid Floor insulating panel for DN 16-17 pipe

Dimensions	Density	Pack m²	Code	Price € pack	€/m²
1200x800x32 / H10	25 kg/m³	7,68	28134160	261,20	34,01
1200x800x47 / H25	25 kg/m³	8,64	28134162	343,70	39,78
1200x800x64 / H42	25 kg/m³	5,76	28134164	285,80	49,62

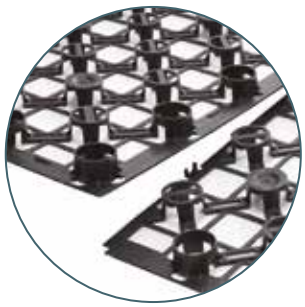
Support panel in recycled plastic material (polypropylene) for the construction of radiant systems with reduced thickness, coupled with a flat insulation in Expanded Sintered Polystyrene (white EPS 150). Equipped with perimeter joints.

CE

UNI EN 13163

Technical data	Norm	Model H10	Model H25	Model H42
Type	UNI EN 13163	EPS 150	EPS 150	EPS 150
Recycled material (%)		≥ 10 %	≥ 10 %	≥ 10 %
Density	UNI EN 1602	25 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermic resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3:2021	0,30 m² K/W	0,75 m² K/W	1,25 m² K/W
Class of reaction fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclass E
Water absorption	EN 12087	< 3%	< 3%	< 3%
Factor of resistance to diffusion of water vapor⎡μ	UNI EN 12086	30 ÷ 70	30 ÷ 70	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	10 mm	25 mm	42 mm
Total lenght		1220 mm	1220 mm	1220 mm
Total width		820 mm	820 mm	820 mm
Total thickness		32 mm	47 mm	64 mm
Bosses thickness		22 mm	22 mm	22 mm
Pipe spacing		50 mm	50 mm	50 mm
External Ø of installing pipes		16-17 mm	16-17 mm	16-17 mm
Pack		7,68 m²	8,64 m²	5,76 m²



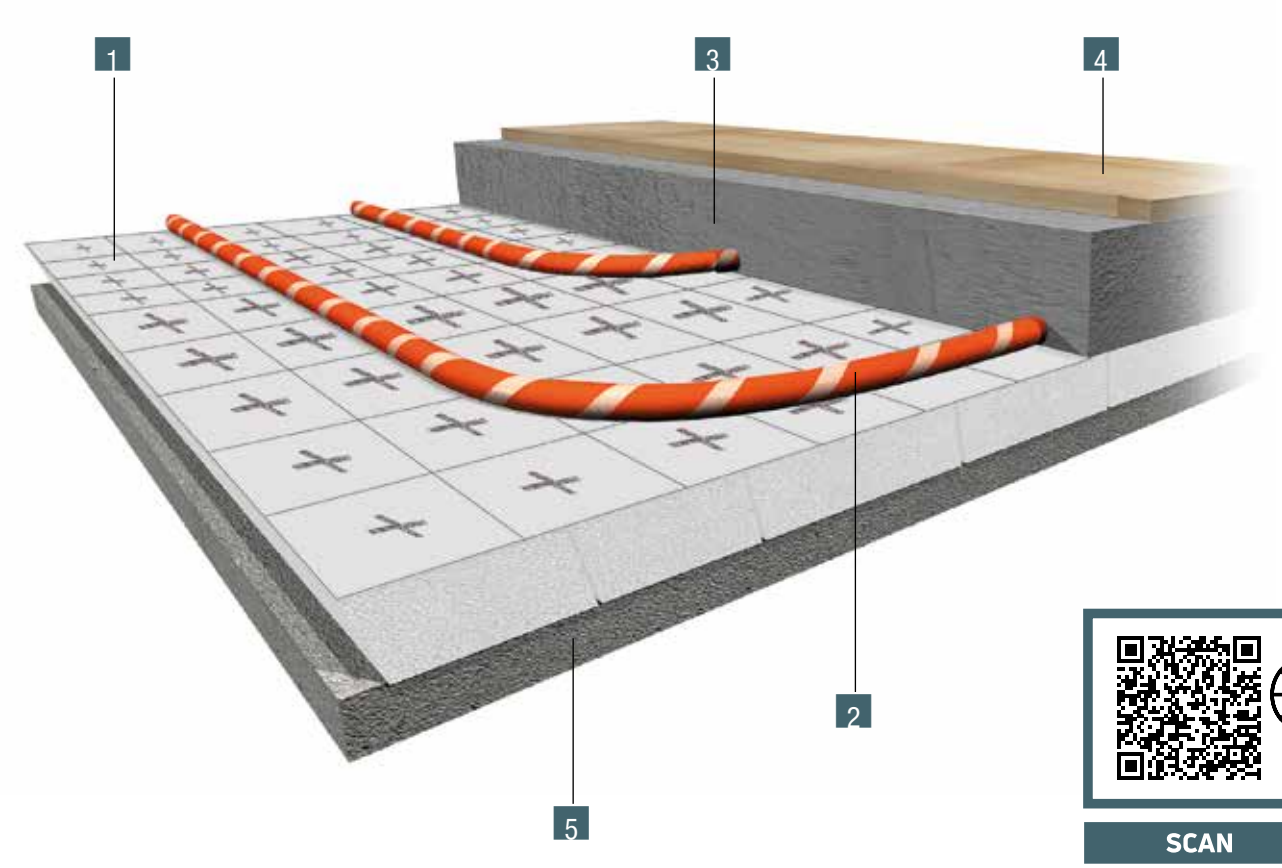




Klettjet System

KLETTJET is the system of smooth roll panels that uses tear-off technology for a simple and flexible laying of the pipes.
It is composed of a range of EPS polystyrene panels, or expanded PE, equipped at the top with a film, with installation grid, on which the appropriate PE-Xc tube equipped with tape for tear-off fastening.

Flooring with the Klettjet system



WEB

SCAN

Construction

1 EPS Klettjet insulating panel
2 PexPenta Klett pipe
3 Screed
4 Floor
5 Slab

Dimensions: see section Technical Attachments.

Floor system



EPS Klettjet insulating panel

Dimension	Density	Pack m²	Code	Price € pack	€/m²
10000 x 1000 x 20 / H20	25 kg/m³	10	28134126	201,90	20,19
10000 x 1000 x 30 / H30	25 kg/m³	10	28134128	228,40	22,84
10000 x 1000 x 20 / H41 (*)	25 kg/m³	10	28134150	285,40	28,54

Smooth panel in roll, made up of slats (dimensions: 100 x 1000 mm) in expanded polystyrene (EPS) printed for thermal insulation, coupled with a white loop film with black trace of laying pitch 5 cm.

(*) Item available on request

CE

UNI EN 13163

Technical data	Norm	Model H20	Model H30	Model H41
Type	UNI EN 13163	EPS 150	EPS 150	EPS 150
Density	UNI EN 1602	25 kg/m³	25 kg/m³	25 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 150 kPa	≥ 150 kPa	≥ 150 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK	0,033 W/mK	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,60 m² K/W	0,90 m² K/W	1,25 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E	Euroclasse E
Water absorption	EN 12087	< 5%	< 5%	< 5%
Resistance factor diffusion of water vapor⌈μ	UNI EN 12086	40 ÷ 100	40 ÷ 100	30 ÷ 70
Slab thickness S_{ins}	UNI EN 1264-3	20 mm	30 mm	41 mm
Total lenght		10.000 mm	10.000 mm	10.000 mm
Total width		1.000 mm	1.000 mm	1.000 mm
Total thickness		20 mm	30 mm	41 mm
Pipe spacing		50 mm	50 mm	50 mm
Pack		10 m²	10 m²	10 m²







PE Klettjet R panel

Dimension	Pack m²	Code	Price € pack	€/m²
20000 x 1000 x 6 / H6	20	28134286	489,60	24,48

Panel smooth in roll made of closed-cell extruded polyethylene with self-adhesive base, for thermal and acoustic insulation (from footstep noise).

UNI EN 14313

Technical data	Norm	Model H6
Type	UNI EN 14313	Expanded PE
Dinamic stiffness	EN 29052-1	< 210 MN/m³
Comprensibility	EN 12431	≤ 2 mm/CP2
ΔLw** (index of evaluation of attenuation of the level of sound pressure on the walkway)	UNI EN 12354-2	13dB
Thermal conductivity λ_D (λ_{ins})	EN 12939 (UNI EN 1264)	0,045 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,1 m² K/W
Class of reaction to fire	UNI EN ISO 11925	Euroclass E
Maximum load	/	5.0 kPa
Slab thickness S_{ins}	UNI EN 1264-3	6 mm
Total lenght		20.000 mm
Total width		1.000 mm
Total thickness		6 mm
Pipe spacing		50 mm







UNI EN ISO 21003-2

PexPenta Klett pipe

Classes of application / Operating pressures (bar):
Cl. 4 / 6 bar - Cl. 5 / 6 bar
Oxygen permeability (DIN 4726): < 0.1 mg/(m²d) at 40 °C; < 0.32 mg/(m²d) at 80 °C
Density: 940 kg/m³
Thermal conductivity: 0.41 W/(mK)
Degree of reticulation: ≥60%
Average coefficient of linear expansion: 0,15 mm/(m °C)
Minimum bending radius: 5 x external diameter
Internal roughness: 6 µm - Water capacity: 0.11 l/min
Application: heating systems

Dimension	Mts. pack	Code	Price €
16 x 2 mm	240	28141830	2,87
16 x 2 mm	600	28141832	2,87

5-layers pipe in high-density polyethylene, with electronic system crosslinking, complying with to standard UNI EN ISO 21003-2 and certified DIN CERTCO 3V365.

Accessories for Klettjet System



PATENT PENDING

Monoblocco seal for PexPenta Klett pipe

Dimension	Thread	Pcs. pack	Code	Price €
16 x 2	24x19	20	28110118	5,25
NEW 16 x 2	3/4" Eurocone	10	28110606	4,80



Tape 50 mm for joining panels Klettjet

Dimension	Roll each pack	Code	Price €
50 mm x 100 mt	1	28134290	105,00



Unwinder for tape 50 mm for panels Klettjet

Dimension	Pcs. pack	Code	Price €
	1	28134294	120,70



PexPenta Klett tube support

Dimension	Pcs. pack	Code	Price €
	1	28134296	623,10



Pair of gloves for PexPenta Klett pipe

Dimensions	Pcs. pack	Code	Price €
	1 pair	28134299	18,70

Dry System - Emmeti Dry Alu Floor

The new **Emmeti Dry Alu Floor** system represents the ideal solution for installations that require minimum thicknesses, reduced weight on the floors and quick operational start-up of the system.
In fact, Emmeti Dry Alu Floor has been designed for installations with dry application, without screed, applicable above existing floors or completely flat sub-bases. The pipes are laid in coils.
Available in two different thicknesses (30 and 40 mm total) it's particularly suited for application in building renovations.

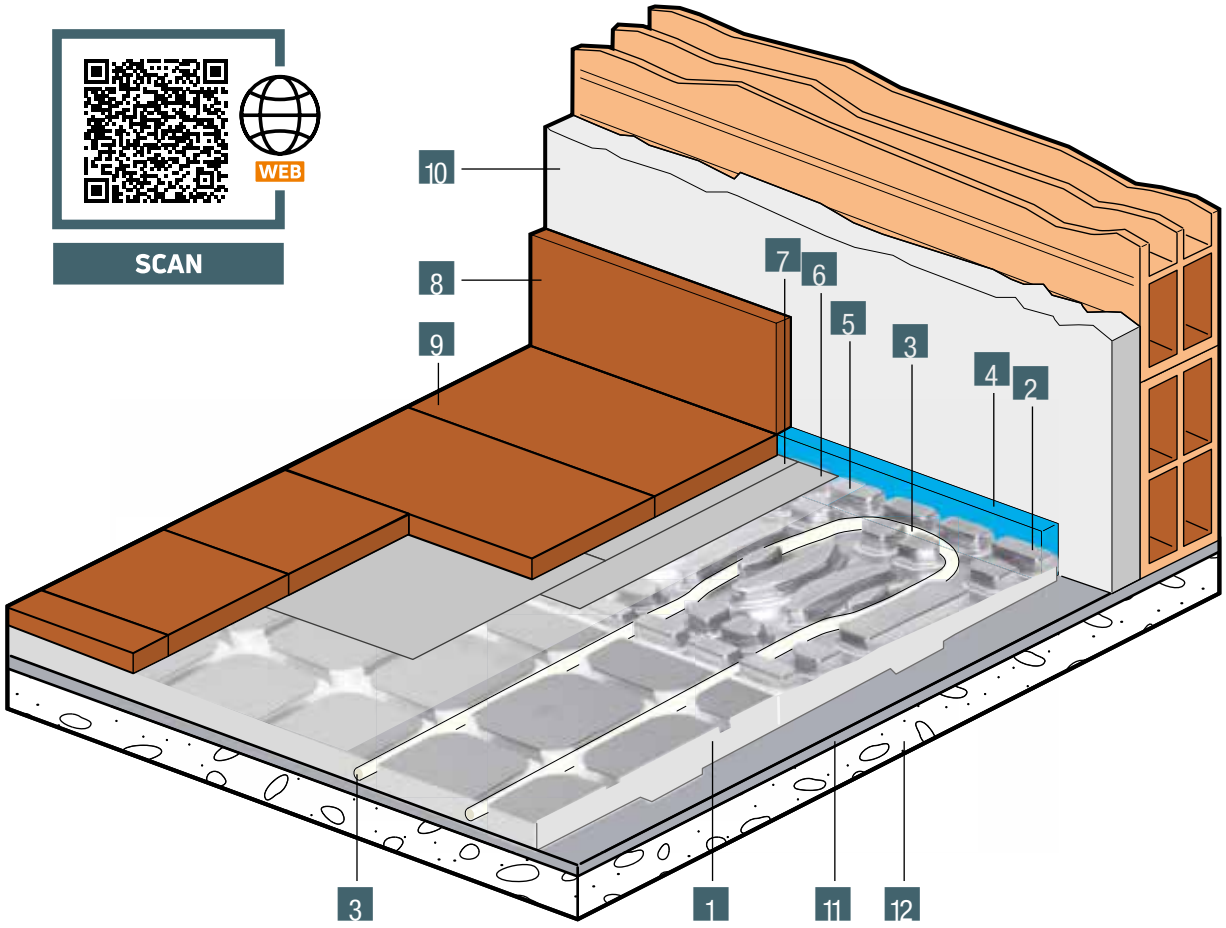
The system is composed of:
- A moulded expanded polystyrene panel (type EPS 200) for thermal insulation, with shaped surface with longitudinal and orthogonal chases (pitch 150 mm) for 17x2 pipe, coupled with an aluminium conductive foil (thickness 0.3 mm).
- A moulded expanded polystyrene panel (type EPS 200) for thermal insulation, with shaped surface with longitudinal, orthogonal and curved chases for 17x2 pipe, coupled with a rigid polystyrene film, for the realization of the head curves and the crossings corresponding to the doors and collectors.
- A polyethylene separation sheet
- Two galvanized steel plates (with and without adhesive side), for the realization of the dual upper layer for thermal conduction and distribution of the load.

Flooring
In the case of **parquet**, it is recommended that the type underlayment with joints, laid without glue.

For the adhesion of floor coverings of **ceramic or stone** type, it is necessary to use specialized adhesives for metal surfaces (typically a polyurethane glues), providing the joints of at least 4/5 mm and grouting with suitable fillers elastic. It 'should the tiles are of no larger than 40 cm per side.

Dimensions: see section Technical Attachments

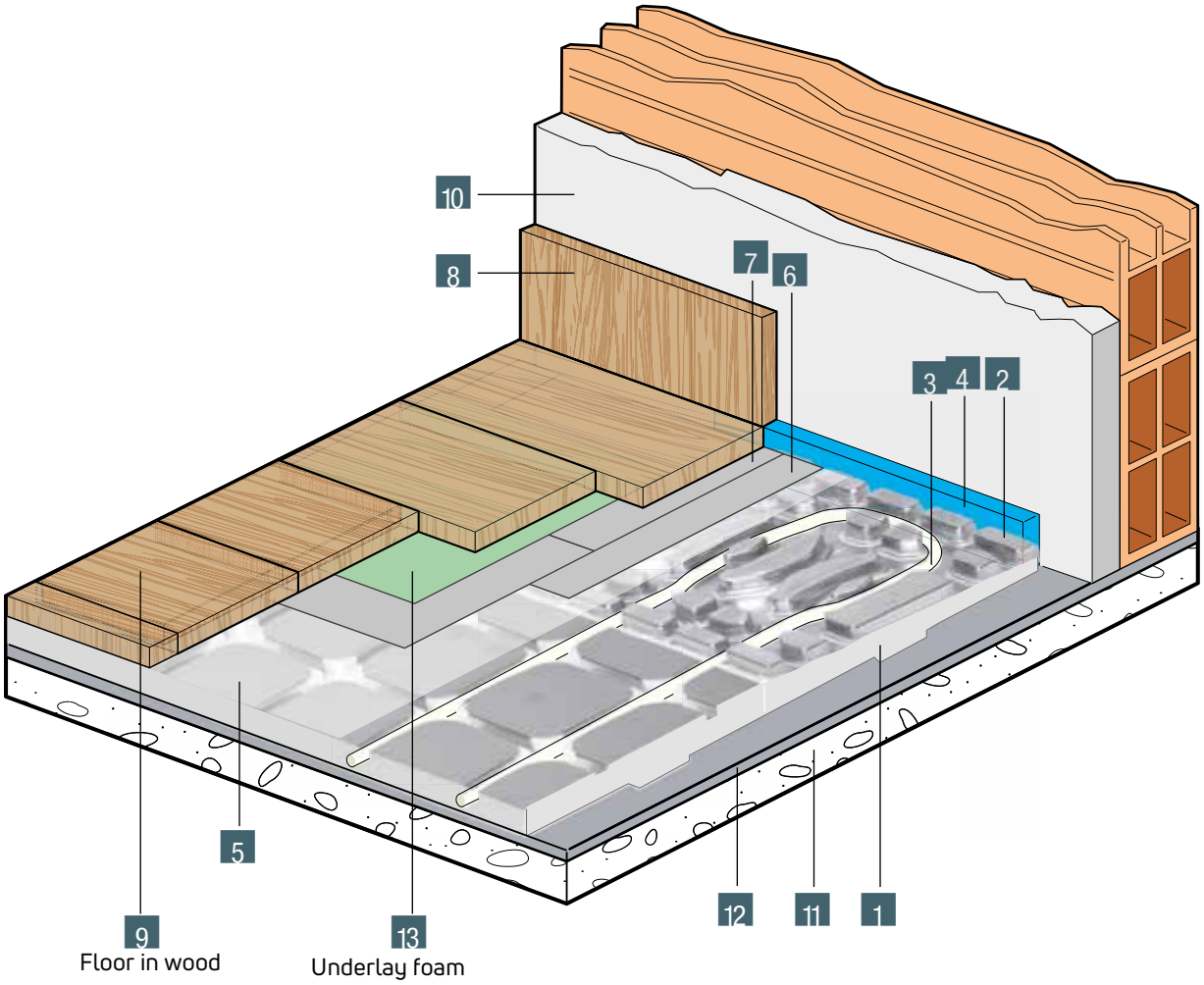
Ceramic or stone type Floors



Construction
1. Dry Alu Floor panel with aluminium foil
2. Dry Alu Floor head panel
3. Emmeti pipe PE-Xa 17x2 and PE-RT 17x2
4. Perimeter insulation strip
5. Polyethylene separation sheet
6. Galvanized steel plate (first layer)
7. Galvanized steel plate with adhesive (second layer) glued to the first
8. Skirting
9. Floor
10. Plaster
11. Self-levelling layer
12. Slab

Floor system

Flooring with floating parquet



Construction

1. Dry Alu Floor panel with aluminium foil
2. Dry Alu Floor head panel
3. Emmeti pipe PE-Xa 17x2 and PE-RT 17x2
4. Perimeter insulation strip
5. Polyethylene separation sheet
6. Galvanized steel plate (first layer)
7. Galvanized steel plate with adhesive (second layer) glued to the first
8. Skirting
9. Floor in wood
10. Plaster
11. Self-levelling layer
12. Slab
13. Underlay foam



Dry Alu Floor insulating panel

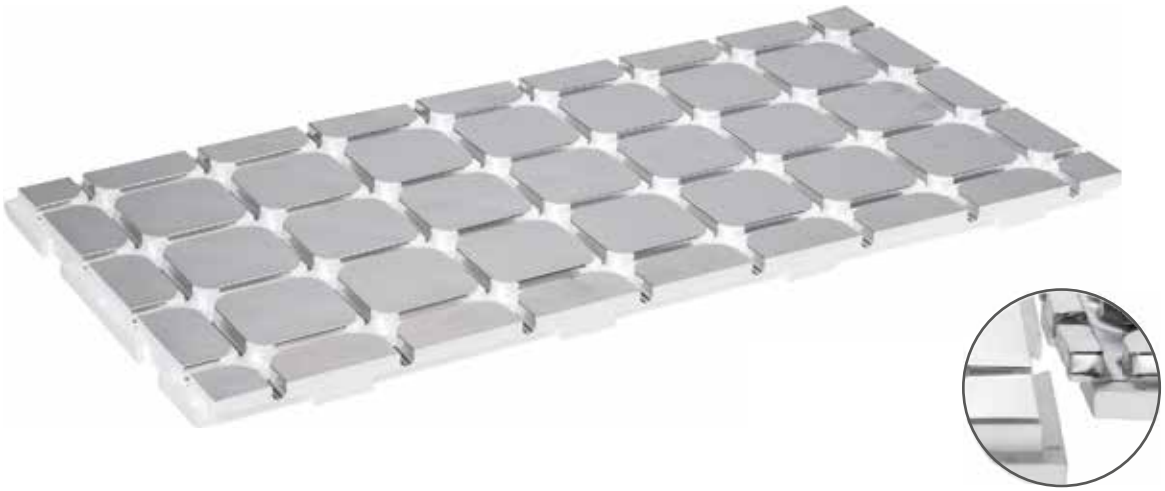
Dimension	Pack m²	Code	Price € pack	€/m²
1200 x 600 x 28 / H10	11,52	28134100	850,20	73,80

Panel in polystyrene type EPS 200, complies with EN 13163, with dovetail joints on four sides and upper aluminum foil. Pipe of laying 150 mm. Suitable for serpentine circuits.

CE

UNI EN 13163

Technical data	Norm	Model H10 (panel)
Type	UNI EN 13163	EPS 200
Density	UNI EN 1602	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	EN 12939 (UNI EN 1264-3)	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,65 m² K/W
Class of reaction of fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Resistance factor diffusion of water vapor⌈μ	UNI EN 12086	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	21,4 mm
Total lenght		1215 mm
Total width		615 mm
Total thickness		28 mm
Sheet thickness Al		0,3 mm
Pipe spacing		150 mm
External Ø of installating pipes		17 mm
Pack		11,52 m²





Head Dry Alu Floor insulating panel

Dimension	Pack m²	Code	Price € pack	€/m²
600 x 300 x 28 / H10	5,76	28134104	416,70	72,34

Panel in polystyrene type EPS 200, complies with EN 13163, with dovetail joints on 4 sides and top film in rigid PS. Suitable for the creation of the head curves of the serpentine circuits, with pitch 150 mm.

CE

UNI EN 13163

Technical data	Norm	Model H10 (headl)
Type	UNI EN 13163	EPS 200
Density	UNI EN 1602	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	EN 12939 (UNI EN 1264-3)	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,55 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Resistance factor diffusion of water vapor↑μ	UNI EN 12086	40 ÷ 100
Slab thickness S_{ins}		18,1 mm
Total lenght		615 mm
Total width		315 mm
Total thickness		28 mm
Coating film thickness		0,16 mm
Pipe spacing		150 mm
External Ø of installing pipes		17 mm
Pack		5,76 m²







Kit of 10 galvanized steel plates, 1 mm thickness

Dimension	Pack m²	Code	Price €/Pack
600 x 600 x 1 (*)	3,6	28134109	262,50
600 x 300 x 1 (*)	3,6	28134113	288,30
600 x 600 x 1 (**)	3,6	28134111	332,40
600 x 300 x 1 (**)	3,6	28134115	333,50

Note: for the installation of the finished floor, use glues type bicomponent epoxy-polyurethane-specific substrates heated metallic, the choice of which it is always the layer, depending on the type of flooring. Excluded are floating floors, which do not require bonding.
(*) Without adhesive side - (**) With adhesive side



Insulating perimeter strip

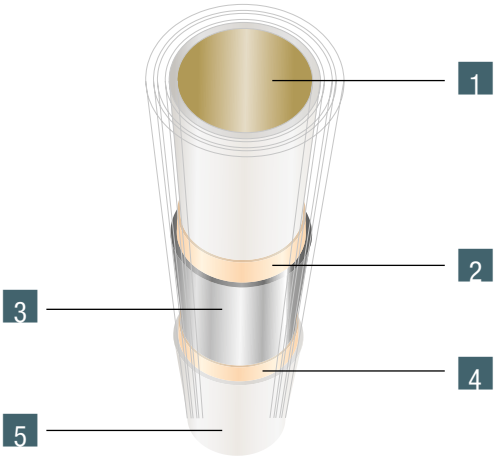
Dimension	Mts. pack	Code	Price €
5 x 100 mm	50	28130492	1,19

In closed-cell expanded polyethylene, with adhesive band for fixing to a wall.

Pipes for Emmeti Floor







UNI EN ISO 21003

Emmeti Alpert pipe

Application classes (UNI EN ISO 21003 - see table in the Technical Annexes section "Classification of conditions of use"): 2/10 bar, 5/10 bar;
Maximum operating conditions for 50 years:
- Design temperature T_D = 70 °C
- Design pressure p_D = 10 bar

Maximum temperature for short periods: 95 °C;
Linear expansion coefficient: 0.026 mm/m °C;
Thermal conductivity: 0.45 W/mK
Oxygen permeability (DIN 4726): 0 mg/(m²·d)
Minimum bending radius: 5 x Ø tube
Surface roughness of the inner tube: 7 µm
Fire reaction class: E_L (EN 13501-1)

Construction

1 Inner pipe PE-RT
2 Bonding layer connecting the inner pipe to the aluminium pipe
3 Horizontal-roller-position welding
4 Bonding layer connecting the outer pipe to the aluminium pipe
5 External pipe PE-RT

Dimension	Mts. pack	Code	Price €
16 x 2	100	28107002	1,57
16 x 2	200	28107000	1,72
16 x 2	500	28107004	1,72

Multilayer pipe for plumbing and heating systems, compliant with the UNI EN ISO 21003 standard and made of composite material through a technologically advanced process with which a PE-RT pipe (non-cross-linked polyethylene with high resistance to high temperatures) is coupled to a aluminum core (thickness 0.2 mm) butt welded and externally covered with another layer of PE-RT.

Classification of service conditions (UNI ISO 21003-1) and regression curves Alpert pipe (Ø 16x2): see section Technical Attachments.



Das Kunststoff-Zentrum

UNI EN ISO 21003-2

PE-Xc PENTA 5-layers pipe with EVOH oxygen barrier

Application classes / Operating pressures (bar):
- size 12x2: Cl. 4/10 bar - 5/10 bar;
- size 16x2: Cl. 4/10 bar - Cl. 5/8 bar
- size 17x2: Cl. 4/8 bar - 5/8 bar

Permeability to oxygen (DIN 4726): < 0,32 mg/(m²d) at 40 °C; < 3,6 mg/(m²d) at 80 °C
Density: 940kg/m³
Thermal conductivity: 0.41 W/(mK)
Degree of reticulation: ≥ 60%
Coefficient of linear expansion: 0.15 mm/(m °C)
Minimum bending radius: 5 x external diameter pipe / Internal roughness: 7 µm
Water capacity: 0.05 l/m (12x2); 0.133 l/m (17x2)
Application: heating systems (not suitable for sanitary systems)

Dimension	Mts. pack	Code	Price €
12 x 2 mm	240	28141852	1,85
16 x 2 mm (*)	200	28141860	1,77
16 x 2 mm (*)	240	28141862	1,77
16 x 2 mm (*)	600	28141864	1,77
17 x 2 mm	240	28141854	1,97
17 x 2 mm	600	28141856	1,97

5-layer pipe in high density polyethylene, cross-linked with an electronic system, compliant with the UNI EN ISO 21003-2 standard, equipped with an oxygen barrier in compliance with the DIN 4726 standard and SKZ HR 3.2 certified.

(*) Items availables on request: 30 days to order confirm and for minimum lots.

Regression curves PE-Xc pipe: see technical attachments.

Application classes PE-Xc pipe (UNI EN ISO 21003-2): see section Technical Attachments.



Das Kunststoff-Zentrum

UNI EN ISO 15875-2

PE-Xa 5-layers pipe with EVOH oxygen barrier

Classes of application / Operating pressures (bar): Cl. 4/10 bar - Cl. 5/8 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3.6 mg/(m²d) at 80 °C
Density: 950 kg/m³
Degree of reticulation: ≥70%
Thermal conductivity: 0.41 W/mK
Average coefficient of linear expansion: 0.14 mm/m °C
Minimum bending radius: 5 x D pipe
Internal roughness: 7 µm
Water capacity: 0,133 l/m
Application: heating systems (not suitable for plumbing systems)

Dimension	Mts. pack	Code	Price €
17 x 2 mm	240	28134470	1,97
17 x 2 mm	600	28134472	1,97

5-layer hose in high density polyethylene, cross-linked with peroxides, compliant with the UNI EN ISO 15875-2 standard, equipped with an oxygen barrier in compliance with the DIN 4726 standard and SKZ HR 3.2 certified.

Regression curves PE-Xa pipe: see technical attachments.

Application classes PE-Xa pipe (UNI EN ISO 15875-1): see section Technical Attachments.



SKZ
Das Kunststoff-Zentrum

UNI EN ISO 22391-2

PE-RT 5 layers pipe with EVOH oxygen barrier

Classes of application / Operating pressure (bar):
size 16x2: Cl.4/8 bar - Cl. 5/6 bar
size 20x2: Cl.4/6 bar - Cl. 5/4bar
Oxygen permeability (DIN 4726): < 0,32 mg/(m²d) at 40 °C; < 3,6 mg/(m²d) at 80 °C
Density: 950 kg/m³ - Thermal conductivity: 0,4 W/mK
Average coefficient of linear expansion: 0.18 mm/m °C
Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm
Water capacity: 0.11 l/m (16x2); 0.201 l/m (20x2)
Application: heating systems (not suitable for plumbing systems)

	Dimension	Mts. pack	Code	Price €
	16 x 2 mm, red (*)	400	28130810	1,31
	16 x 2 mm, blue (*)	400	28130814	1,31
NEW	17 x 2 mm, red	240	28130836	1,30
NEW	17 x 2 mm, red	600	28130832	1,28
	20 x 2 mm, red (*)	300	28130812	1,85
	20 x 2 mm, blue (*)	300	28130816	1,85

Pipe in PERT Type II complying with ISO 22391-2 and provided with an oxygen barrier in conformity with standard DIN 4726.

(*) Items availables on request: 30 days to order confirm and for minimum lots.

Regression curves PE-RT pipe: see technical attachments

Application classes PE-RT pipe (UNI EN ISO 21003-2): see section Technical Attachments.

Accessories Emmeti Floor and Emmeti Dry Alu Floor





Superfluidishing additive for screeds

NEW

Dimension	kg/pack	Code	Price €/ kg
	10	28130414	4,63
	25	28130416	5,11

It considerably reduces the mixing water, significantly increases the mechanical resistance of the screed by increasing its thermal conductivity.
It improves workability and reduces porosity and hygrometric shrinkage.
Dosage: 1 ÷ 1.5 kg per 100 kg of cement.



Protective for heating high or low temperature systems / air conditioning systems

Anti-corrosive protective for all metals (steel-copper-aluminium), antiscaling and biocide for heating systems high or low temperature and/or air conditioning systems, with antiscaling protectors (max 25 °F)

Technical data
Appearance: light yellow liquid - straw-coloured - pH: 7±0,5
Density (20 °C): 1,025±0,01 kg/l
Dispensing 5% (5 kg every 100 liter of water)

Kg/pack	Pcs. pack	Code	Price €
5	1	02706396	121,90



Regenerating liquid for new or old low-temperature heating systems

Suitable for removing biomasses and metal oxides inside low temperature heating systems, even with heating installations. It contains specific biodispersant bioacids to thoroughly remove any bacterial deposits and metal oxides. It is recommended for cleaning old systems before or during the installation of a new boiler. Non-acid and non-corrosive for metals and plastic material. The product does not alter pH levels. Suitable for all heating systems, including systems with aluminium parts.

Technical data
Appearance: Clear colourless liquid-yellow - pH: 5.5±0.5
Density (20 °C): 1.035 kg/l
Dosage 5% (5 kg every 100 litres of water)

Kg/pack	Pcs. pack	Code	Price €
5	1	02706304	130,30



System loading station

Delivery capacity: 5,2 - 50 litres/min - Static pressure H: 5 - 52 m. c. H_20 - Power supply: 230 V - 50 Hz - Current = 2,6 A - Electric power absorbed: 500 W max - Spin speed: 2900 rpm - Protection: IP44 - Tank volume: 50 litres

Dimension	Pcs. pack	Code	Price €
50 litres	1	02706862	1.615,00

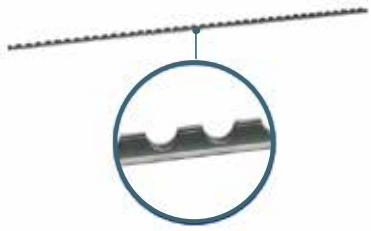
Fitted with two connection pipes L = 3 m



Insulating perimeter strip

Dimension	Mts. pack	Code	Price €
5 x 150 mm	60	28130480	2,01
7 x 150 mm	60	28130482	2,17

In closed-cell expanded polyethylene, with adhesive surface for fixing to a wall and moveable polyethylene strip on the panel side, to seal possible interstices.



Profile for plastic expansion connection

Dimension	Mts pack	Code	Price €
2000 x 35 x 20 mm (WxHxD)	50	28130032	12,14

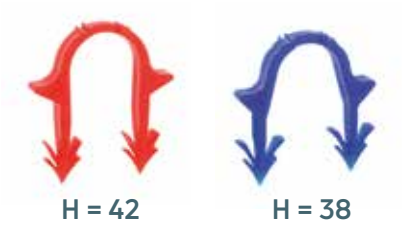
With adhesive back and housing for insulating strip thickness 7-8 mm



Insulating strip for plastic expansion connection

Dimension	Mts. pack	Code	Price €
7 x 150 mm	60	28130486	1,19

In closed-cell expandedn polyethylene, for profile for plastic expansion connection (cod. 28130032)



Pipe-fixing clip for Tacker

Dimension	Height	Pcs. pack	Code	Price €
Ø pipes 16-20 mm	H=42	300	28134454	0,23
Ø pipes 16-17 mm (*)	H=38	300	28134460	0,23

In plastic material, for fixing pipes to the Plan Floor and Roll Floor panels.
(*) For plan panels H=20 mm.



Reinforced pipe-fixing clip for taker

Dimension		Pcs. pack	Code	Price €
Ø pipes 16-20 mm	H = 42	240	28130744	0,28



Clip-fixing tacker

Dimension	Pcs. pack	Code	Price €
	1	28130042	434,70

It allows fixing of pipes to the Plan Floor panes from updight position without efforts.



Straddle clip

Dimension	Pcs. pack	Code	Price €
88 x 28 x 14 mm (WxHxD)	100	28134452	0,17

In plastic material, for applying to the bosses of panels to hold pipes down at critical points.
Not suitable for panels with rigid thermoformed film (type Combi).
Article available when code 28130022 is exhausted.



Manual pipe-fixing clip

Dimension	Pcs.pack	Code	Price €
34 x 49 x 4 mm (WxHxD)	100	28134456	0,18

In plastic material, for fixing pipes at critical points.
Article available when code 28130024 is exhausted.



Support bends

Dimension	Pcs. pack	Code	Price €
Ø pipes 16 ÷ 18 mm	10	28134450	1,69

In PA66, reinforced with glass fibre. They support pipes at the base of manifolds.



Tool for fixing wire clips

Dimension	Pcs. pack	Code	Price €
	1	28130768	1.243,00

To be used with clip code 28130766.
Item to be out of stock.



Tool for fixing wire clips

Dimension	Pcs. pack	Code	Price €
	1	28134462	820,30

To be used with clips code 28134458 and 28130766.
Article available when code 28130768 is exhausted.



3 mm wire mesh clip

Dimension	Pcs. pack	Code	Price €
Ø pipes 16 ÷17 mm (*)	1700	28130766	0,25

To be used with metallic wire code 28141000.
Medium consumption: 35 pcs/m²
(*) Item to be out of stock



3 mm wire mesh clip

Dimension	Pipe	Pcs. pack	Code	Price €
Net Ø wire 3 mm	Ø 16 ÷ 17 mm	1.000	28134458	0,15

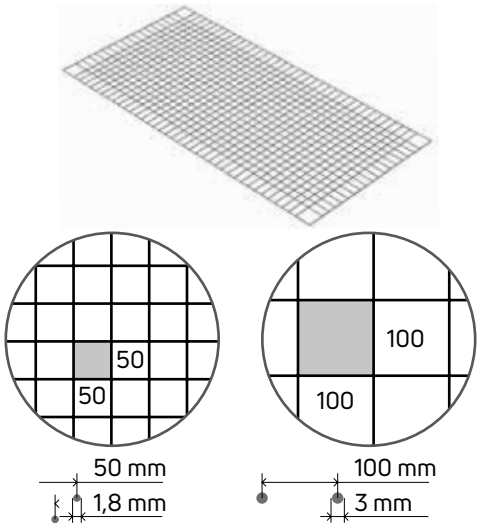
To be used with metallic wire code 28141000.
Medium consumption: 35 pcs/m²



Grille clip

Dimension	Pipe	Pcs. pack	Code	Price €
Grille Ø wire 3	Ø 16 ÷17 mm	200	28130720	0,28

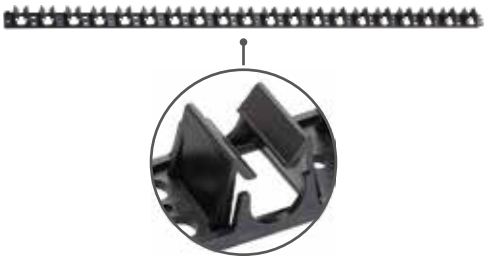
To be used with wire netting code 28141000



Wire netting (sheets)

Dimension	m² pack	Code	Price €
1 x 2 m Ø wire 1,8 mm	40	28130074	287,60
1 x 2 m Ø wire 3 mm	30	28141000	323,90

Electrowelded mesh in galvanized steel:
- Ø 1.8 mm wire with 50x50 mm mesh, pack of 20 sheets.
- Ø 3 mm wire with 100x100 mm mesh, suitable for use with the appropriate 3-wire mesh clips code 28130720, pack of 15 sheets.



Guide for pipe anchorring Ø 16-17

Dimension	Pcs. pack	Code	Price €
1000 x 28 x 40 mm (WxHxD)	80	28130756	5,23

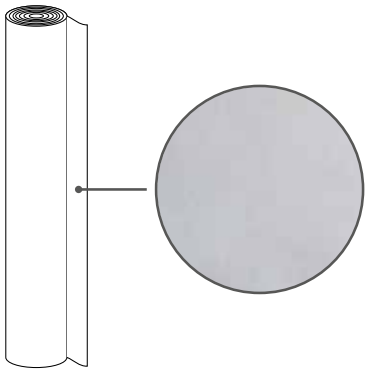
Modular guide for pipe anchorring Ø 16-17. Minimum passage 5 cm



Guide for pipe anchorring Ø 17-20-25

Dimension	Pcs. pack	Code	Price €
1000 x 40 x 50 mm (WxHxD)	50	28130725	5,78
1000 x 40 x 50 mm (WxHxD) (*)	50	28130740	6,81

Modular guide for pipe anchorring Ø 17-20-25. Minimum passage 10 cm.
(*) with adhesive base



Cloth-non cloth felt

Dimension	m² pack	Code	Price €
2x25 m	50	28130048	6,14

In polypropylene. Thickenss 4 mm. Density: 500 gr/m²

CE
EN 14889-2



Polymetric fibres for screeds

NEW

Structural polymeric fibres with a length of 30 mm designed to improve the tensile strength characteristics of concrete in the post-cracking phase.
They enable 'wet earth' type concrete to be reinforced, increasing ductility and toughness. Suitable for making heated screeds. Recommended dosage: 1÷3 kg/m³.

Dimension	Pcs. pack	Code	Price €
1 kg bag	1	28130418	36,17

Fixing clip

Dimension	Pcs. pack	Code	Price €
Ø 50 x L 70	50	28130037	0,44

For Ø 10 mm hole



Roofing sheet in regenerated polyethylene with grid (in roll)

Dimension	Pack m²	Pcs. pack	Code	€ Pack
2 x 50 m	100	1	28141020	271,70

Single-fold sheet 2 x 1 m wide, 50 m roll, in regenerated amber colored polyethylene with 100 mm pitch grid, sheet thickness 0.2 mm. Made with 100% recycled polyethylene. Sd (vapor transmission): ≥ 100 m.



Shear for plastic pipe

Dimension	Pcs. pack	Code	Price €
Ø 8÷25	1	28130760	142,00
Spare blade for cutter	1	28130761	33,23

Shears to cut thin-wall rigid plastic pipes without chippings.



Roll dispenser

Completely dismountable, for rolls up to 600 mts long.
Dimension of rolls: minimum Ø 35 cm, maximum Ø 100 cm, maximum h 50 cm

Dimension	Pcs. pack	Code	Price €
	1	28130041	598,90



Emmeti adhesive tape

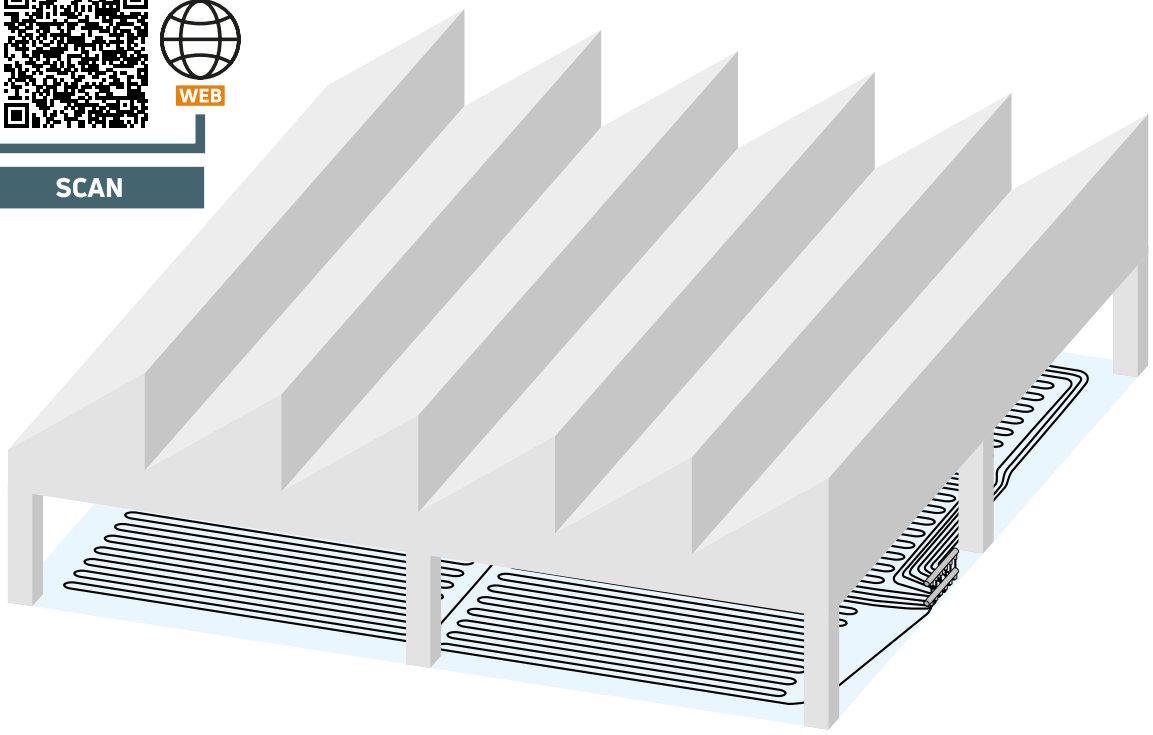
Dimension	Pcs. pack	Code	Price €
75 mm x 132 m	1	90200040	35,78

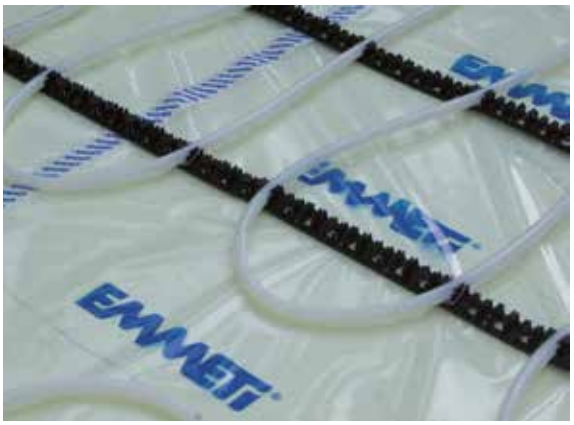
Emmeti Industrial Floor

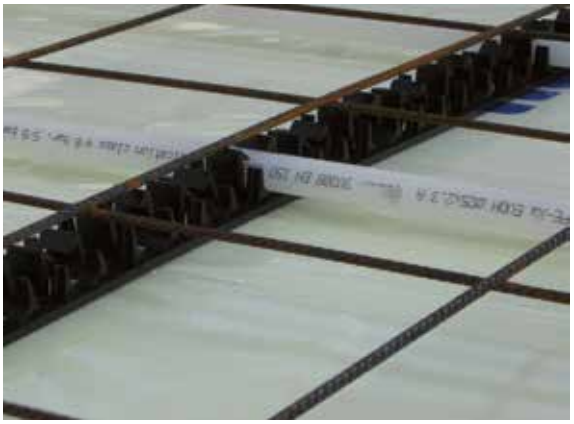
Floor heating and cooling industrial system

WEB

SCAN









Emmeti Industrial Floor

XPS 500 insulating panel in extruded polystyrene

Dimension	Slab pack	Pack m²	Code	Price €	Price €/ m²
1250 x 600 x 50 (*)	8	6	28134140	182,40	30,40
1250 x 600 x 60 (*)	7	5,25	28134142	191,50	36,48
1250 x 600 x 80 (*)	5	3,75	28134144	182,40	48,64

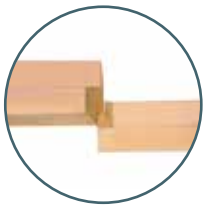
Insulating sheets in single-layer extruded polystyrene foam (XPS) with smooth surface and 4-sided rebated profiles.
(*) Availability on request: 8 weeks from order confirmation.

CE

UNI EN 13164

Technical data	Norm	Model H50	Model H60	Model H80
Type	UNI EN 13164	XPS500	XPS500	XPS500
Compression resistance at 10% of crushing	UNI EN 826	≥ 500 kPa	≥ 500 kPa	≥ 500 kPa
Solicitation with crushing max 2% after 50 years	UNI EN 1606	180 kPa	180 kPa	180 kPa
Thermal conductivity	EN 12667	0,033 W/mK	0,033 W/mK	0,035 W/mK
Thermic resistance R_D	EN 12667	1,50 m² K/W	1,80 m² K/W	2,25 m² K/W
Class to reaction to fire	UNI EN 13501-1	Euroclass E	Euroclass E	Euroclass E
Long-term water absorption by diffusion	UNI EN 12088	≤ 3%	≤ 2%	≤ 2%
Resistance factor diffusion of water vapor μ	UNI EN 12086	150	150	150
Dimensional stability at conditioning temperature and humidity (70°C; 90%)	UNI EN 1604	< 5%	< 5%	< 5%
Deformation under load to compression and conditioning temperature (40 kPa, 70 °C)	UNI EN 1605	≤ 5%	≤ 5%	≤ 5%
Tensile strength perpendicular to the faces	UNI EN 1607	TR200 kPa	TR200 kPa	TR200 kPa
Resistance to freezing - thawing	UNI EN 12091	FTCD1 Vol%	FTCD1 Vol%	FTCD1 Vol%
Calculation thickness S_{ins}	UNI EN 1264-3	50 mm	60 mm	80 mm
Lenght	UNI EN 822	1250 (±8) mm	1250 (±8) mm	1250 (±8) mm
Width	UNI EN 822	600 (±8) mm	600 (±8) mm	600 (±8) mm
Thickness	UNI EN 823	50 (±3) mm	60 (±3) mm	80 (±3) mm
Pack		6 m²	5,25 m²	3,75 m²







XPS 300 SL insulating panel in extruded polystyrene

Dimension	Slabs pack	Pack m²	Code	Price €	Price €/ m²
1250 x 600 x 30 (*)	14	10,5	28134131	161,50	15,38
1250 x 600 x 40 (*)	10	7,5	28134133	184,50	24,60

Insulating panels made of single-layer extruded polystyrene foam (XPS) with a smooth surface and battentati profiles on 4 sides.
(*) Available on request: 30 days from order confirmation

CE

UNI EN 13164

Technical data	Norm	Model H 30	Model H40
Type	UNI EN 13164	XPS300	XPS300
Compression resistance at 10% of crushing	UNI EN 826	≥ 300 kPa	≥ 300 kPa
Solicitation with crushing max 2% after 50 years	UNI EN 1606	130 kPa	130 kPa
Thermal conductivity	EN 12667	0,030 W/mK	0,030 W/mK
Thermic resistance R_D	EN 12667	1,00 m² K/W	1,35 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E	Euroclass E
Water absorption	UNI EN 12088	≤ 3%	≤ 3%
Resistance factor diffusion of water vapor μ	UNI EN 12086	150	150
Dimensional stability at conditioning temperature and humidity (70°C; 90%)	UNI EN 1604	≤ 5%	≤ 5%
Deformation under load to compression and conditioning temperature (40 kPa, 70 °C)	UNI EN 1605	≤ 5%	≤ 5%
Calculation thickness S_{ins}	UNI EN 1264-3	30 mm	40 mm
Total lenght		1250 mm	1250 mm
Total width		600 mm	600 mm
Total thickness		30 mm	40 mm
Pack		10,5 m²	7,5 m²



Emmeti Industrial Floor



Plan Floor insulating panel

Dimension	Density	Pack m²	Code	Price €	Price €/ m²
1100 x 600 x 30 / H30	30 kg/m³	10,56	28130072	222,70	21,09

Smooth panel in expanded polystyrene (EPS) printed for thermal insulation, with surface impressions for the laying of pipes and peripheral interlocking joints. Covered with a rigid polystyrene film. Footprints pipe 5 cm.

CE

UNI EN 13163

Technical data	Norm	Model H30
Type	UNI EN 13163	EPS 200
Density	UNI EN 1602	30 kg/m³
Compression resistance at 10% of crushing	UNI EN 826	≥ 200 kPa
Thermal conductivity λ_D (λ_{ins})	UNI EN 12667 (UNI EN 1264-3)	0,033 W/mK
Thermal resistance $R_{\lambda,ins}$ (S_{ins}/λ_{ins})	UNI EN 1264-3: 2021	0,90 m² K/W
Class to reaction to fire	UNI EN ISO 11925	Euroclass E
Water absorption	EN 12087	< 5%
Resistance factor diffusion of water vapor↑μ	UNI EN 12086	40 ÷ 100
Slab thickness S_{ins}	UNI EN 1264-3	30 mm
Total lenght		1120 mm
Total width		620 mm
Total thickness		30 mm
Coating film thickness		0,16 mm
Pipe spacing		50 mm
Pack		10,56 m²

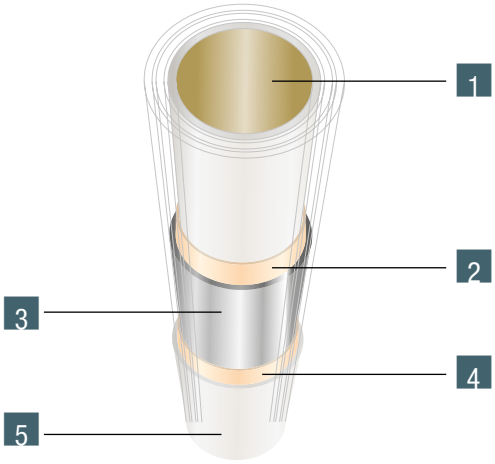




Pipes for Emmeti Industrial Floor







Emmeti Alpert pipe

Application classes (UNI EN ISO 21003 - see table in the Technical Annexes section "Classification of conditions of use"): 2/10 bar, 5/10 bar;
Maximum operating conditions for 50 years:
- Design temperature T_D = 70 °C
- Design pressure p_D = 10 bar
Maximum temperature for short periods: 95 °C;
Linear expansion coefficient: 0.026 mm/m °C;
Thermal conductivity: 0.45 W/mK
Oxygen permeability (DIN 4726): 0 mg/(m²·d)
Minimum bending radius: 5 x Ø tube
Surface roughness of the inner tube: 7 µm
Fire reaction class: EL (EN 13501-1)

Construction

1. Inner pipe PE-RT
2. Bonding layer connecting the inner pipe to the aluminium pipe
3. Horizontal-roller-position welding
4. Bonding layer connecting the outer pipe to the aluminium pipe
5. External pipe PE-RT

Dimension	Mts. pack	Code	Price €
20 x 2 mm	100	28107016	2,34
20 x 2 mm	240	28107018	2,34

Multilayer pipe for plumbing and heating systems, compliant with the UNI EN ISO 21003 standard and made of composite material through a technologically advanced process with which a PE-RT pipe (non-cross-linked polyethylene with high resistance to high temperatures) is coupled to a aluminum core (0.25 mm thick) butt welded and externally covered with another layer of PE-RT.

Classification of service conditions and regression curves:
see section Technical Attachments.

UNI EN ISO 21003



PE-Xc 5 layers pipe with EVOH oxygen barrier

Classes of application / Operating pressures (bar): Cl. 4/8 bar - Cl. 5/6 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40°C; < 3.6 mg/(m²d) at 80 °C
Density: 940 kg/m³ - Degree of reticulation: ≥60% - Elasticity module: 600-800 MPa
Ultimate elongation: 400-600% - Thermal conductivity: 0.41 W/(mK)
Average coefficient of linear expansion: 0.15 mm/(m °C) - Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm - Water capacity size 0.201 l/m
Application: heating systems

Dimension	Mts. pack	Code	Price €
20 x 2 mm (*)	500	28141808	2,40

5-layers pipe in high-density polyethylene, with electronic system crosslinking, certified according to standards UNI EN ISO 15875/2 and provided with an oxygen barrier in conformity with standard DIN 4726 and certified SKZ HR 3.2.
(*) Item to be out of stock

Classification of service conditions and regression curves:
see section Technical Attachments.

UNI EN ISO 15875-2



SKZ Das Kunststoff-Zentrum

UNI EN ISO 21003-2

PE-Xc PENTA 5 layers pipe with EVOH oxygen barrier

NEW

Application classes / Operating pressures (bar): Cl. 4/8 bar - Cl. 5/6 bars
Permeability to oxygen (DIN 4726): < 0.32 mg/(m²d) at 40°C; < 3.6 mg/(m²d) at 80 °C
Density: 940kg/m³
Thermal conductivity: 0.41 W/(mK) - Degree of cross-linking: ≥ 60%
Coefficient of linear expansion: 0.15 mm/(m °C)
Minimum bend radius: 5 x outer diameter
Internal roughness: 7 µm - Water content: 0.201 l/m
Application: heating systems

Dimension	Mts. pack	Code	Price €
20 x 2 mm	500	28141858	2,40

5-layer high-density polyethylene pipe, electronically cross-linked, manufactured according to the UNI EN ISO 21003-2 standard, equipped with an oxygen barrier in compliance with the DIN 4726 standard and SKZ HR 3.2 certified.

Regression curves PE-Xc pipe: see section Technical Attachments.

Application classes PE-X pipe (UNI EN ISO 21003-2): see section Technical Attachments.



DIN Geprüft

UNI EN ISO 15875-2

PE-Xa 3 layers pipe with EVOH oxygen barrier

Classes of application / Operating pressures (bar): Cl. 4/6 bar - Cl. 5/6 bar
Oxygen permeability (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3,6 mg/(m²d) at 80 °C
Density: 950 kg/m³ - Degree of reticulation: ≥70% - Softening temperature: 135 °C
Breaking load: 18 MPa - Thermal conductivity: 0.41 W/mK - Average coefficient of linear expansion: 0.14 mm/m °C - Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm
Water capacity: l/m 0,201 (20x2) - Water capacity: l/m 0,327 (25x2,3)
Application: heating systems

Dimension	Mts. pack	Code	Price €
20 x 2 mm (*)	500	28130684	2,53
25 x 2,3 mm (*)	500	28130686	4,07

Pipe in high-density polyethylene, with peroxide crosslinking, certified according to standards UNI EN ISO 15875/2 and provided with an oxygen barrier in conformity with standard DIN 4726.
(*) Item to be out of stock

Regression curves PE-Xa pipe: see section Technical Attachments.

Application classes PE-Xa pipe (UNI EN ISO 21003-2): see section Technical Attachments.



SKZ Das Kunststoff-Zentrum

UNI EN ISO 15875-2

PE-Xa 5 layers pipe with EVOH oxygen barrier

Application classes / Operating pressures (bar): Cl. 4/8 bar - Cl. 5/6 bars
Permeability to oxygen (DIN 4726): < 0.32 mg/(m²d) at 40 °C; < 3,6 mg/(m²d) at 80 °C
Density: 950 kg/m³ - Degree of cross-linking: ≥70%
Thermal conductivity: 0.41 W/mK
Average linear expansion coefficient: 0.14 mm/m °C
Minimum bending radius: 5 x D tube - Internal roughness: 7 µm
Water content: 0.201 l/m (20x2)
Water content: 0.327 l/m (25x2.3)
Application: heating systems

Dimension	Mts. pack	Code	Price €
20 x 2 mm	500	28134474	2,63
NEW 25 x 2,3 mm	500	28134476	3,57

Tubo a 5 strati in polietilene alta densità, reticolato con perossidi, certificato conforme alla norma UNI EN ISO 15875-2 e dotato di barriera ossigeno in conformità alla norma DIN 4726 and SKZ HR 3.2 certified.

Regression curves PE-Xa pipe: see section Technical Attachments.

Application classes PE-Xa pipe (UNI EN ISO 21003-2): see section Technical Attachments.

Accessories for Emmeti Industrial Floor



Insulating perimeter strip

Dimension	Mt. pack	Code	Price €
10 x 250 mm	50	28130484	4,35

In close-cell expanded polyehtylene, with adhesive surface for fixing to a wall and moveable polyethylene strip on the panel side, to seal possible interstices



Reinforced pipe-fixing clip for taker

Dimension	Height	Pcs. pack	Code	Price €
Ø pipes 16-20 mm	H = 42	240	28130744	0,28



Manual pipe-fixing clip

Dimension	Pcs.pack	Code	Price €
34 x 49 x 4 mm (L x H x W)	100	28134456	0,18

In plastic material, for fixing pipes at critical points.



Straddle clip

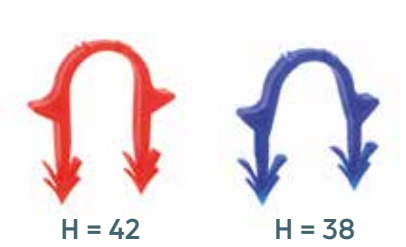
Dimension	Pcs. pack	Code	Price €
88 x 28 x 14 mm (L x H x W)	100	28134452	0,17

In plastic material, for applying to the bosses of panels to hold pipes down at critical points. Not suitable for panels with rigid thermoformed film (type Combi).



Grille clip

Dimension	Pipe	Pcs. pack	Code	Price €
Grille Ø 6	Ø 20 mm	100	28130028	0,52
Grille Ø 6	Ø 25 mm	100	28130746	0,52



Pipe-fixing clip for Tacker

Dimension	Height	Pcs. pack	Code	Price €
Ø pipes 16-20 mm [1]	H=42	300	28134454	0,23
Ø pipes 16-17 mm (*) [2]	H=38	300	28134460	0,23

In plastic material, for fixing pipes to the Plan Floor and Roll Floor panels.
(*) For plan panels H=20 mm.



Guide for pipe anchorring Ø 17-20-25

Dimension	Pcs. pack	Code	Price €
1000 x 40 x 50 mm (WxHxD)	50	28130725	5,78
1000 x 40 x 50 mm (WxHxD) (*)	50	28130740	6,81

Modular guide for pipe anchorring Ø 17-20-25. Minimum passage 10 cm.
(*) with adhesive base

Emmeti Industrial Floor



Roofing sheet in regenerated polyethylene with grid (in roll)

Dimension	Pcs. m²	Pcs. pack	Code	Price €/pack
2 x 50 m	100	1	28141020	271,70

Single-fold sheet 2 x 1 m wide, 50 m roll, in regenerated amber colored polyethylene with 100 mm pitch grid, sheet thickness 0.2 mm. Made with 100% recycled polyethylene.
Sd (vapor transmission): ≥ 100 m.



Emmeti adhesive tape

Dimension	Pcs. pack	Code	Price €
75 mm x 132 m	1	90200040	35,78



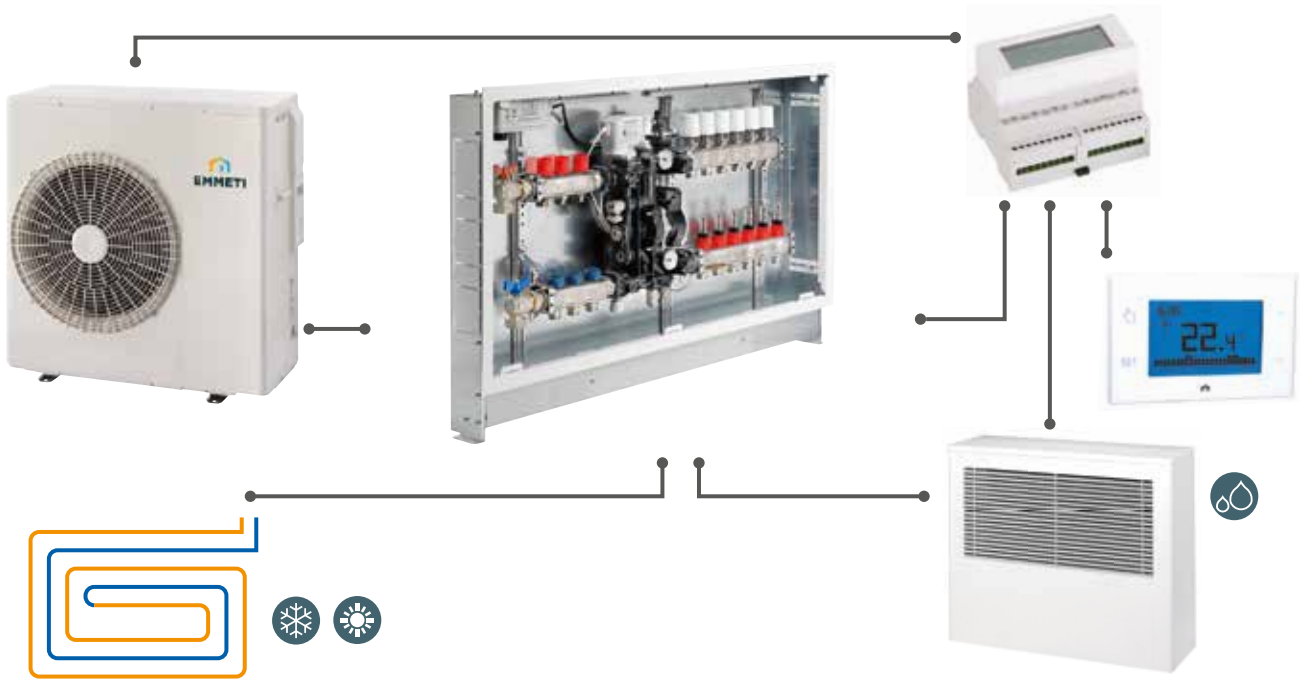
Support bends

Dimension	Pcs. pack	Code	Price €
Ø pipes 25 mm	10	28130748	4,59
Ø pipes 20 mm	10	28130027	4,35

In synthetic material, reinforced with glass fibre. They hold the PE-X pipes at the base of the Topway headers

Emmeti Clima Floor

Floor heating and cooling

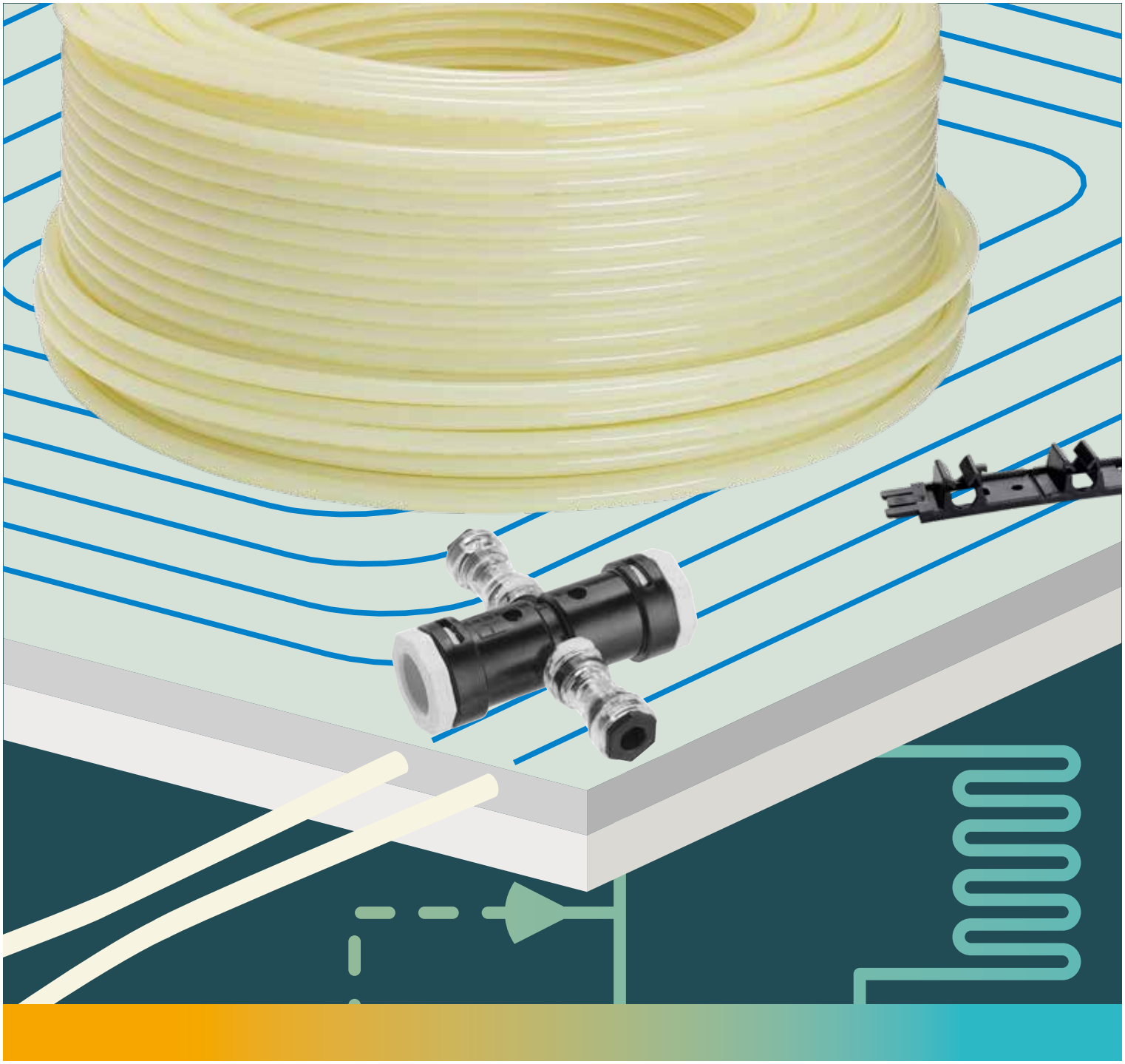


Benefits
Emmeti Clima Floor is the safest and most comfortable solution for using your floors to provide winter heating and summer cooling. Thermal energy, heating or cooling, will always be perfectly distributed around your rooms, with no more annoying draughts, noisy fans, or dust deposits.Your heating and cooling system will also be totally invisible.
With Emmeti Clima Floor, low incoming water temperature during the winter months actually boosts the efficiency of the condensing boilers, leading to significant savings in fuel consumption.
During the summer, water temperature is regulated by electronic controllers to maintain a constant value of 15 °C to 20 °C. This drastically reduces the power needed by the chillers, which can therefore be a lot smaller than those required for conventional fan convector systems.
Emmeti proposes also the new inverter heat pump MIRAI SMI, equipped with the innovative controller SMART MT. By the SMART MT controller it is possible to manage all the promoters related to the plant management algorithms, and it is also possible to conrol temperature and humidity of the main room in the house.

Caracteristics
The complete range of dedicated heating components in the Emmeti Floor System is complemented by a range of special cooling components.
In summer (cooling) mode, the system is managed by an electronic controller that maintains constant temperature and humidity levels in all rooms served by the system.
Room temperature is controlled by continuously adjusting the temperature of the heat transfer water by meas of an electronic mixer valve. Relative humidity is monitored by dedicated sensors and, if airborne humidity begins to approach dew point, dehumidifiers are switched on to reduce it.

Dehumidifiers Dumy Floor for Emmeti Clima Floor

SEE "AIR CONDITIONING CATALOGUE PRICE LIST"



Emmeti wall and ceiling

Wall and ceiling heating and cooling systems

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