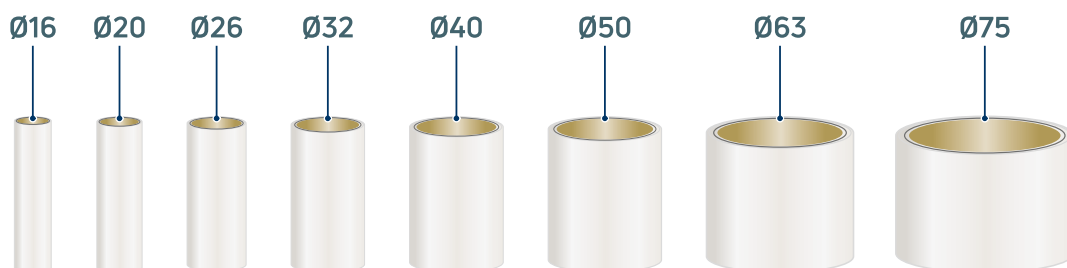
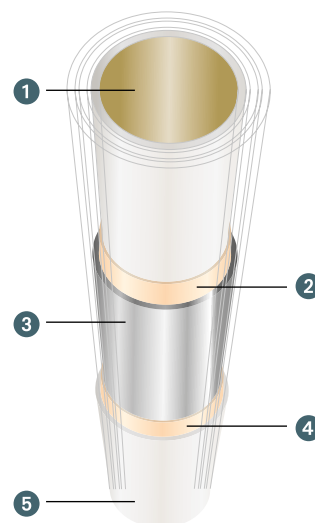


# Gerpex pipe

## Multilayer composite pipe Gerpex



### 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  $T_D = 70^\circ\text{C}$
- Design pressure  $p_D = 10$  bar

Maximum temperature for short periods:  $95^\circ\text{C}$

Coefficient of linear expansion:  $0,026 \text{ mm/m}^\circ\text{C}$

Thermal conductivity:  $0,45 \text{ W/m}^\circ\text{C}$

Minimum radius of bending:  $5 \times \text{Ø pipe}$

Surface roughness of internal pipe:  $7 \mu\text{m}$

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  $40^\circ\text{C}$ ):  $\leq 0,040 \text{ W/mK}$  (UNI EN ISO 8497).

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) and regression curves: see section technical attachments

# Multilayer composite pipe Gerpex



UNI EN ISO 21003

## Gerpex bare pipe in coils

| Dimension | Mts. pack | Code     |
|-----------|-----------|----------|
| 16 x 2    | 100       | 28105000 |
| 20 x 2    | 200       | 28105002 |
| 20 x 2    | 100       | 28105004 |
| 26 x 3    | 50        | 28105006 |
| 32 x 3    | 50        | 28105008 |



UNI EN ISO 21003

## Gerpex preinsulated pipe in coils

| Dimension | Insulation thickness | Mts. pack | Code     |
|-----------|----------------------|-----------|----------|
| 16 x 2    | 6 mm                 | 100       | 28105100 |
| 16 x 2    | 6 mm                 | 50        | 28105116 |
| 20 x 2    | 6 mm                 | 50        | 28105104 |
| 20 x 2    | 9 mm                 | 50        | 28105106 |
| 26 x 3    | 9 mm                 | 50        | 28102882 |
| 32 x 3    | 9 mm                 | 25        | 28102576 |

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     |
|------------|-----------|----------|
| 16 x 2 (*) | 96        | 28108000 |
| 20 x 2 (*) | 96        | 28108004 |
| 26 x 3 (*) | 40        | 28108006 |
| 32 x 3 (*) | 28        | 28108008 |
| 40 x 3,5   | 20        | 28100096 |
| 50 x 4     | 20        | 28100098 |
| 63 x 4,5   | 12        | 28100100 |
| 75 x 5     | 12        | 28100070 |

(\*) Packaged in rigid protective pipe



## Galvanised steel isophonic pipe clamp collar

| Dimension (mm) | Dimension (Inch) | Pcs. pack | Code     |
|----------------|------------------|-----------|----------|
| 15-19          | 3/8"             | 10        | 01241500 |
| 21-23          | 1/2"             | 10        | 01241502 |
| 26-28          | 3/4"             | 10        | 01241504 |
| 32-35          | 1"               | 10        | 01241506 |
| 40-43          | 1 1/4"           | 5         | 01241508 |
| 48-56          | 1 1/2"           | 5         | 01241510 |
| 63-67          | -                | 5         | 01241512 |
| 74-80          | 2 1/2"           | 5         | 01241514 |

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



## Joint screw with rawlplug

| Dimension          | Pcs. pack | Code     |
|--------------------|-----------|----------|
| Ø 8 x 90           | 10        | 01241520 |
| Ø 10 x 60 rawlplug |           |          |