



# Pre-insulated pipes

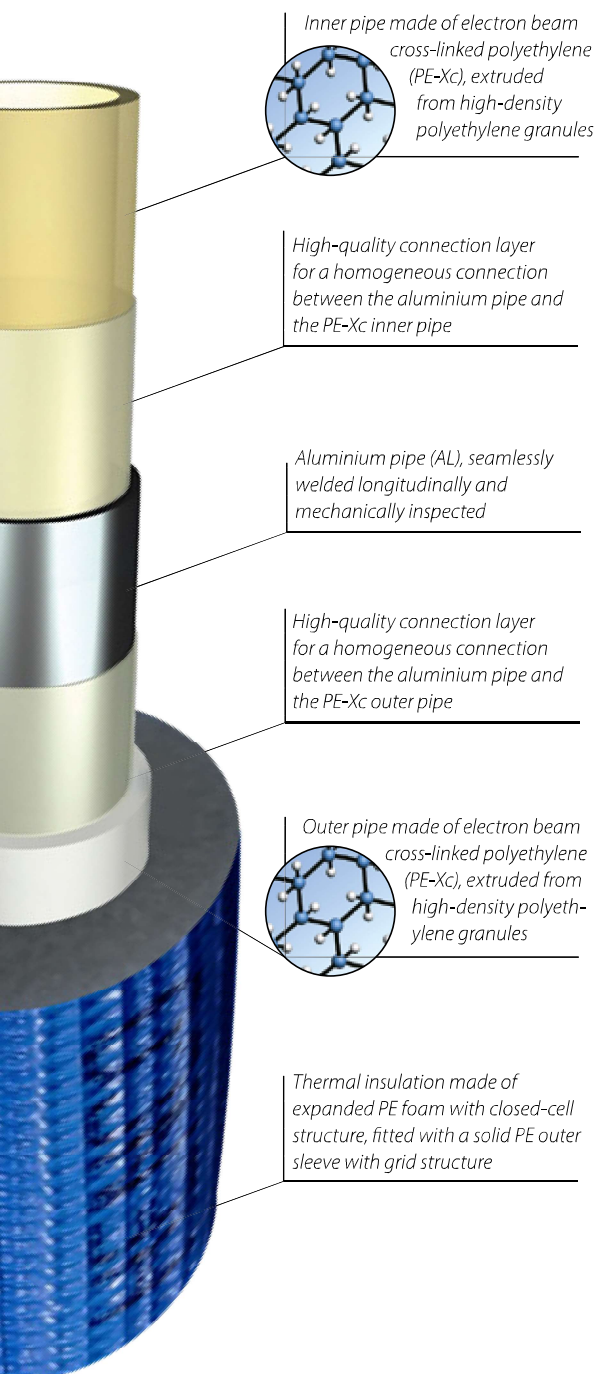


## PRE-INSULATED PIPES



Dear customer,

In this brochure, we would like to introduce you to the widest range of pre-insulated pipes on the market. Henco's range is not only so extensive because of the many insulation thicknesses and roll lengths, it also offers insulated pipes in different fire classes. The safer fire classes BL-s1 d0 and BL-s2 d0 are the latest additions to the product range. You can read all about that in this brochure too.



## Applications

Henco Industries' pre-insulated pipes offer a wide range of applications, such as:



**Heating systems:** Our pipes are ideal for transporting hot water in central heating systems and plumbing applications where heat loss is to be minimised.



**Cooling systems:** Our pipes offer the perfect solution for efficient transportation of cold liquids in cooling units and refrigeration systems.

## Advantages of pre-insulated pipes

- ✓ **Superior Insulation:** Our pre-insulated pipes feature high-quality insulation materials that minimise heat loss and maximise energy efficiency. This leads to significant savings on energy costs.
- ✓ **Protection against corrosion:** The inner and outer layers of our pipes are made of durable materials that protect against corrosion and mechanical damage, extending the life of your piping system.
- ✓ **Easy Installation:** Thanks to the light weight and flexibility of our pipes, they can be installed quickly and easily, ensuring time and cost efficiency.
- ✓ **Environmentally friendly:** We at Henco Industries are committed to sustainability. Our pre-insulated pipes are made from recyclable materials, and contribute to a greener future.

The PE-Xc/AL/PE-Xc pipes feature a circular thermal insulation made of expanded PE foam with a closed-cell structure, which protects against:

- ✓ Heat loss/heat transfer.
- ✓ Condensation.
- ✓ Expansion.
- ✓ Sound transmission.

The PE foam features a solid PE outer sleeve with a grid structure in red or blue, which is also vapour-tight. This protects the foam from damage, so that its insulating properties are maintained even during rough construction work. The thermal insulation has the following technical characteristics:

<b>Insulation value (DIN 52613/ISO 8497)</b>	0.040 W/mK at +40°C		
	0.036 W/mK at +10°C		
<b>Heat transfer coefficient</b>	<b>Insulation thickness</b>	<b>U-value at 10°C</b>	<b>U-value at 40°C</b>
	6 mm	5.99 W/m <sup>2</sup> K	6.67 W/m <sup>2</sup> K
	10 mm	3.60 W/m <sup>2</sup> K	4.00 W/m <sup>2</sup> K
	13 mm	2.77 W/m <sup>2</sup> K	3.08 W/m <sup>2</sup> K
	20 mm	1.80 W/m <sup>2</sup> K	2.00 W/m <sup>2</sup> K
<b>Fire class (EN 13501)</b>	BL-s1 d0, BL-s2 d0, or CL-s1 d0		
<b>Temperature resistance of insulation</b>	-40°C to +100°C		
<b>Operating temperature of insulation (EN 14707)</b>	+5°C to +100°C		
<b>Sound absorption (DIN 52218)</b>	Up to 23 dB(A)		
<b>Insulation thickness</b>	6, 10, 13, or 20 mm		
<b>Vapour density of the insulation and the outer layer</b>	6315 mu		

## Main differences between fire classes

Fire class BL – s1 d0:	Fire class CL – s1 d0:
<ul style="list-style-type: none"> <li>✓ The external sleeve is manufactured with self-extinguishing properties.</li> <li>✓ Does not contribute to flame spread and minimises the development of smoke.</li> <li>✓ Guarantees a higher level of fire safety.</li> </ul>	<ul style="list-style-type: none"> <li>✓ The external jacket is made of fire-retardant materials.</li> <li>✓ Provides limited protection against flame spread and smoke development.</li> <li>✓ May still contribute to fire spread in some cases.</li> </ul>

**FIRE CLASS BL – S1 D0****Henco pre-insulated pipe Standard – improved fire rating****Type: ISO4 BSD (6 mm)****NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
100-ISO4-14-BL-BSD	100 m/1000 m	14 x 2 blue	800 x 800
100-ISO4-14-RO-BSD	100 m/1000 m	14 x 2 red	800 x 800
50-ISO4-16-BL-BSD	50 m/900 m	16 x 2 blue	800 x 800
50-ISO4-16-RO-BSD	50 m/900 m	16 x 2 red	800 x 800
100-ISO4-16-BL-BSD	100 m/900 m	16 x 2 blue	800 x 800
100-ISO4-16-RO-BSD	100 m/900 m	16 x 2 red	800 x 800
50-ISO4-18-BL-BSD	50 m/650 m	18 x 2 blue	800 x 800
50-ISO4-18-RO-BSD	50 m/650 m	18 x 2 red	800 x 800
50-ISO4-20-BL-BSD	50 m/700 m	20 x 2 blue	800 x 800
50-ISO4-20-RO-BSD	50 m/700 m	20 x 2 red	800 x 800
100-ISO4-20-BL-BSD	100 m/900 m	20 x 2 blue	800 x 800
100-ISO4-20-RO-BSD	100 m/1100 m	20 x 2 red	800 x 800
25-ISO4-26-BL-BSD	25 m/400 m	26 x 3 blue	800 x 800
25-ISO4-26-RO-BSD	25 m/400 m	26 x 3 red	800 x 800
50-ISO4-26-BL-BSD	50 m/500 m	26 x 3 blue	800 x 800
50-ISO4-26-RO-BSD	50 m/500 m	26 x 3 red	800 x 800
25-ISO4-32-BL-BSD	25 m/300 m	32 x 3 blue	800 x 800
25-ISO4-32-RO-BSD	25 m/300 m	32 x 3 red	800 x 800
50-ISO4-32-BL-BSD	50 m/300 m	32 x 3 blue	800 x 800
50-ISO4-32-RO-BSD	50 m/300 m	32 x 3 red	800 x 800

**Type: ISO9 BSD (10 mm)****NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO9-14-BL-BSD	50 m/550 m	14 x 2 blue	800 x 800
50-ISO9-14-RO-BSD	50 m/550 m	14 x 2 red	800 x 800
50-ISO9-16-BL-BSD	50 m/600 m	16 x 2 blue	800 x 800
50-ISO9-16-RO-BSD	50 m/600 m	16 x 2 red	800 x 800
50-ISO9-18-BL-BSD	50 m/500 m	18 x 2 blue	800 x 800
50-ISO9-18-RO-BSD	50 m/500 m	18 x 2 red	800 x 800
50-ISO9-20-BL-BSD	50 m/400 m	20 x 2 blue	800 x 800
50-ISO9-20-RO-BSD	50 m/400 m	20 x 2 red	800 x 800
25-ISO9-26-BL-BSD	25 m/325 m	26 x 3 blue	800 x 800
25-ISO9-26-RO-BSD	25 m/275 m	26 x 3 red	800 x 800
50-ISO9-26-BL-BSD	50 m/450 m	26 x 3 blue	800 x 800
50-ISO9-26-RO-BSD	50 m/450 m	26 x 3 red	800 x 800
25-ISO9-32-BL-BSD	25 m/250 m	32 x 3 blue	800 x 800
25-ISO9-32-RO-BSD	25 m/250 m	32 x 3 red	800 x 800
50-ISO9-32-BL-BSD	50 m/250 m	32 x 3 blue	800 x 800
50-ISO9-32-RO-BSD	50 m/350 m	32 x 3 red	800 x 800

**Type: ISO13 BSD (13 mm)****NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO13-16-BL-BSD	50 m/400 m	16 x 2 blue	800 x 800
50-ISO13-16-RO-BSD	50 m/400 m	16 x 2 red	800 x 800
50-ISO13-18-BL-BSD	50 m/450 m	18 x 2 blue	800 x 800
50-ISO13-18-RO-BSD	50 m/450 m	18 x 2 red	800 x 800
50-ISO13-20-BL-BSD	50 m/400 m	20 x 2 blue	800 x 800
50-ISO13-20-RO-BSD	50 m/400 m	20 x 2 red	800 x 800
50-ISO13-26-BL-BSD	50 m/300 m	26 x 3 blue	800 x 800
50-ISO13-26-RO-BSD	50 m/300 m	26 x 3 red	800 x 800
25-ISO13-32-BL-BSD	25 m/225 m	32 x 3 blue	800 x 800
25-ISO13-32-RO-BSD	25 m/225 m	32 x 3 red	800 x 800

**Type: ISO20 BSD (20 mm) BL-s2 d0****NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
25-ISO20-32-BL-BSD	25 m/150 m	32 x 3 blue	800 x 800
25-ISO20-32-RO-BSD	25 m/150 m	32 x 3 red	800 x 800

## Henco pre-insulated pipe RIXc – improved fire rating



### Type: ISO4 BSD (6 mm) RIXc

**NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
100-ISO4-R16-BL-BSD	100 m/900 m	16 x 2 blue	800 x 800
100-ISO4-R16-RO-BSD	100 m/900 m	16 x 2 red	800 x 800
50-ISO4-R16-BL-BSD	50 m/900 m	16 x 2 blue	800 x 800
50-ISO4-R16-RO-BSD	50 m/800 m	16 x 2 red	800 x 800
25-ISO4-R16-BL-BSD	25 m/250 m	16 x 2 blue	800 x 800
25-ISO4-R16-RO-BSD	25 m/250 m	16 x 2 red	800 x 800
50-ISO4-R18-BL-BSD	50 m/650 m	18 x 2 blue	800 x 800
50-ISO4-R18-RO-BSD	50 m/650 m	18 x 2 red	800 x 800
50-ISO4-R20-BL-BSD	50 m/700 m	20 x 2 blue	800 x 800
50-ISO4-R20-RO-BSD	50 m/700 m	20 x 2 red	800 x 800
25-ISO4-R26-BL-BSD	25 m/300 m	26 x 3 blue	800 x 800
25-ISO4-R26-RO-BSD	25 m/300 m	26 x 3 red	800 x 800
50-ISO4-R26-BL-BSD	50 m/500 m	26 x 3 blue	800 x 800
50-ISO4-R26-RO-BSD	50 m/500 m	26 x 3 red	800 x 800

### Type: ISO9 BSD (10 mm) RIXc

**NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO9-R16-BL-BSD	50 m/600 m	16 x 2 blue	800 x 800
50-ISO9-R16-RO-BSD	50 m/600 m	16 x 2 red	800 x 800
50-ISO9-R20-BL-BSD	50 m/400 m	20 x 2 blue	800 x 800
50-ISO9-R20-RO-BSD	50 m/400 m	20 x 2 red	800 x 800
25-ISO9-R26-BL-BSD	25 m/325 m	26 x 3 blue	800 x 800
25-ISO9-R26-RO-BSD	25 m/325 m	26 x 3 red	800 x 800
50-ISO9-R26-BL-BSD	50 m/400 m	26 x 3 blue	800 x 800
50-ISO9-R26-RO-BSD	50 m/400 m	26 x 3 red	800 x 800

### Type: ISO13 BSD (13 mm) RIXc

**NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO13-R16-BL-BSD	50 m/400 m	16 x 2 blue	800 x 800
50-ISO13-R16-RO-BSD	50 m/400 m	16 x 2 red	800 x 800
50-ISO13-R20-BL-BSD	50 m/400 m	20 x 2 blue	800 x 800
50-ISO13-R20-RO-BSD	50 m/400 m	20 x 2 red	800 x 800
50-ISO13-R26-BL-BSD	50 m/300 m	26 x 3 blue	800 x 800
50-ISO13-R26-RO-BSD	50 m/300 m	26 x 3 red	800 x 800

### Type: ISO20 BSD (20 mm) RIXc BL-s2 d0

**NEW PRODUCT**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO20-R16-BL-BSD	50 m/250 m	16 x 2 blue	800 x 800
50-ISO20-R16-RO-BSD	50 m/250 m	16 x 2 red	800 x 800
50-ISO20-R20-BL-BSD	50 m/250 m	20 x 2 blue	800 x 800
50-ISO20-R20-RO-BSD	50 m/250 m	20 x 2 red	800 x 800
25-ISO20-R26-BL-BSD	25 m/175 m	26 x 3 blue	800 x 800
25-ISO20-R26-RO-BSD	25 m/175 m	26 x 3 red	800 x 800

**FIRE CLASS C – S1 D0****Henco pre-insulated pipe Standard****Type: ISO4 (6 mm)**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
100-ISO4-14-BL	100 m/1000 m	14 x 2 blue	800 x 800
100-ISO4-14-RO	100 m/1000 m	14 x 2 red	800 x 800
25-ISO4-16-BL	25 m/450 m	16x2 blue	800x800
25-ISO4-16-RO	25 m/450 m	16x2 red	800x800
50-ISO4-16-BL	50 m/900 m	16 x 2 blue	800 x 800
50-ISO4-16-RO	50 m/900 m	16 x 2 red	800 x 800
100-ISO4-16-BL	100 m/900 m	16 x 2 blue	800 x 800
100-ISO4-16-RO	100 m/900 m	16 x 2 red	800 x 800
50-ISO4-18-BL	50 m/650 m	18 x 2 blue	800 x 800
50-ISO4-18-RO	50 m/650 m	18 x 2 red	800 x 800
25-ISO4-20-BL	25 m/450 m	20x2 blue	800x800
25-ISO4-20-RO	25 m/450 m	20x2 red	800x800
50-ISO4-20-BL	50 m/700 m	20 x 2 blue	800 x 800
50-ISO4-20-RO	50 m/700 m	20 x 2 red	800 x 800
100-ISO4-20-BL	100 m/900 m	20 x 2 blue	800 x 800
100-ISO4-20-RO	100 m/1100 m	20 x 2 red	800 x 800
25-ISO4-26-BL	25 m/400 m	26 x 3 blue	800 x 800
25-ISO4-26-RO	25 m/400 m	26 x 3 red	800 x 800
50-ISO4-26-BL	50 m/500 m	26 x 3 blue	800 x 800
50-ISO4-26-RO	50 m/500 m	26 x 3 red	800 x 800
25-ISO4-32-BL	25 m/300 m	32 x 3 blue	800 x 800
25-ISO4-32-RO	25 m/300 m	32 x 3 red	800 x 800
50-ISO4-32-BL	50 m/300 m	32 x 3 blue	800 x 800
50-ISO4-32-RO	50 m/300 m	32 x 3 red	800 x 800

**Type: ISO9 (10 mm)**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO9-14-BL	50 m/550 m	14 x 2 blue	800 x 800
50-ISO9-14-RO	50 m/550 m	14 x 2 red	800 x 800
50-ISO9-16-BL	50 m/600 m	16 x 2 blue	800 x 800
50-ISO9-16-RO	50 m/600 m	16 x 2 red	800 x 800
50-ISO9-18-BL	50 m/500 m	18 x 2 blue	800 x 800
50-ISO9-18-RO	50 m/500 m	18 x 2 red	800 x 800
50-ISO9-20-BL	50 m/400 m	20 x 2 blue	800 x 800
50-ISO9-20-RO	50 m/400 m	20 x 2 red	800 x 800
25-ISO9-26-BL	25 m/325 m	26 x 3 blue	800 x 800
25-ISO9-26-RO	25 m/275 m	26 x 3 red	800 x 800
50-ISO9-26-BL	50 m/450 m	26 x 3 blue	800 x 800
50-ISO9-26-RO	50 m/450 m	26 x 3 red	800 x 800
25-ISO9-32-BL	25 m/250 m	32 x 3 blue	800 x 800
25-ISO9-32-RO	25 m/250 m	32 x 3 red	800 x 800
50-ISO9-32-BL	50 m/250 m	32 x 3 blue	800 x 800
50-ISO9-32-RO	50 m/250 m	32 x 3 red	800 x 800

**Type: ISO13 (13 mm)**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO13-16-BL	50 m/400 m	16 x 2 blue	800 x 800
50-ISO13-16-RO	50 m/400 m	16 x 2 red	800 x 800
50-ISO13-20-BL	50 m/400 m	20 x 2 blue	800 x 800
50-ISO13-20-RO	50 m/400 m	20 x 2 red	800 x 800
50-ISO13-26-BL	50 m/300 m	26 x 3 blue	800 x 800
50-ISO13-26-RO	50 m/300 m	26 x 3 red	800 x 800
25-ISO13-32-BL	25 m/225 m	32 x 3 blue	800 x 800
25-ISO13-32-RO	25 m/225 m	32 x 3 red	800 x 800

**Type: ISO20 (20 mm)**

Article number	Coil/Pallet	Type	Pallet dimension (mm)
25-ISO20-32-BL	25 m/150 m	32 x 3 blue	800 x 800
25-ISO20-32-RO	25 m/150 m	32 x 3 red	800 x 800

## Henco pre-insulated pipe RIXc



### Type: ISO4 (6 mm) RIXc

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO4-R16-BL	50 m/800 m	16 x 2 blue	800 x 800
50-ISO4-R16-RO	50 m/800 m	16 x 2 red	800 x 800
100-ISO4-R16-RO	100 m/900 m	16 x 2 red	800 x 800
100-ISO4-R16-BL	100 m/900 m	16 x 2 blue	800 x 800
50-ISO4-R18-RO	50 m/650 m	18 x 2 red	800 x 800
50-ISO4-R18-BL	50 m/650 m	18 x 2 blue	800 x 800
50-ISO4-R20-RO	50 m/700 m	20 x 2 red	800 x 800
50-ISO4-R20-BL	50 m/700 m	20 x 2 blue	800 x 800
25-ISO4-R26-RO	25 m/300 m	26 x 3 red	800 x 800
25-ISO4-R26-BL	25 m/300 m	26 x 3 blue	800 x 800
50-ISO4-R26-RO	50 m/500 m	26 x 3 red	800 x 800
50-ISO4-R26-BL	50 m/500 m	26 x 3 blue	800 x 800

### Type: ISO9 (10 mm) RIXc

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO9-R16-BL	50 m/600 m	16 x 2 blue	800 x 800
50-ISO9-R16-RO	50 m/600 m	16 x 2 red	800 x 800
50-ISO9-R20-BL	50 m/400 m	20 x 2 blue	800 x 800
50-ISO9-R20-RO	50 m/400 m	20 x 2 red	800 x 800
25-ISO9-R26-BL	25 m/325 m	26 x 3 blue	800 x 800
25-ISO9-R26-RO	25 m/325 m	26 x 3 red	800 x 800
50-ISO9-R26-RO	50 m/400 m	26 x 3 red	800 x 800
50-ISO9-R26-BL	50 m/400 m	26 x 3 blue	800 x 800

### Type: ISO13 (13 mm) RIXc

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO13-R16-BL	50 m/400 m	16 x 2 blue	800 x 800
50-ISO13-R16-RO	50 m/400 m	16 x 2 red	800 x 800
50-ISO13-R20-BL	50 m/400 m	20 x 2 blue	800 x 800
50-ISO13-R20-RO	50 m/400 m	20 x 2 red	800 x 800
50-ISO13-R26-BL	50 m/300 m	26 x 3 blue	800 x 800
50-ISO13-R26-RO	50 m/300 m	26 x 3 red	800 x 800

### Type: ISO20 (20 mm) RIXc

Article number	Coil/Pallet	Type	Pallet dimension (mm)
50-ISO20-R16-BL	50 m/250 m	16 x 2 blue	800 x 800
50-ISO20-R16-RO	50 m/250 m	16 x 2 red	800 x 800
50-ISO20-R20-BL	50 m/250 m	20 x 2 blue	800 x 800
50-ISO20-R20-RO	50 m/250 m	20 x 2 red	800 x 800
25-ISO20-R26-BL	25 m/175 m	26 x 3 blue	800 x 800
25-ISO20-R26-RO	25 m/175 m	26 x 3 red	800 x 800

## Why is fire class BL-s1, d0 / BL-s2, d0 better than fire class CL-s1 d0?

Henco Industries' pre-insulated pipes offer a wide range of applications, such as:

- ✓ **Excellent fire safety:** Fire class BL-s1, d0 / BL-s2, d0 pre-insulated pipes are manufactured with materials that have self-extinguishing properties. This means they do not contribute to flame spread and smoke development, ensuring the safety of your buildings and the occupants.
- ✓ **Reduced risk of fire:** Using fire class BL-s1, d0 / BL-s2, d0 pre-insulated pipes significantly reduces the risk of fire incidents, allowing you to use your piping system with peace of mind.
- ✓ **Compliance with building regulations:** Many building codes and regulations require the use of materials with high fire safety. Fire class BL-s1, d0 / BL-s2, d0 pre-insulated pipes meet these regulations and provide peace of mind.
- ✓ **Protection of property:** Fire class BL-s1, d0 / BL-s2, d0 pre-insulated pipes minimise property damage in fire incidents, keeping your investments safe.

Choose fire class BL-s1, d0 / BL-s2, d0 pre-insulated pipes – Choose safety!

At Henco Industries, we stand by the quality and safety of our products. Our pre-insulated pipes with fire class BL-s1, d0 / BL-s2, d0 offer the best solution for your piping systems.

