

# PRE-INSULATED PIPES FOR DRINKING AND SANITARY WATER

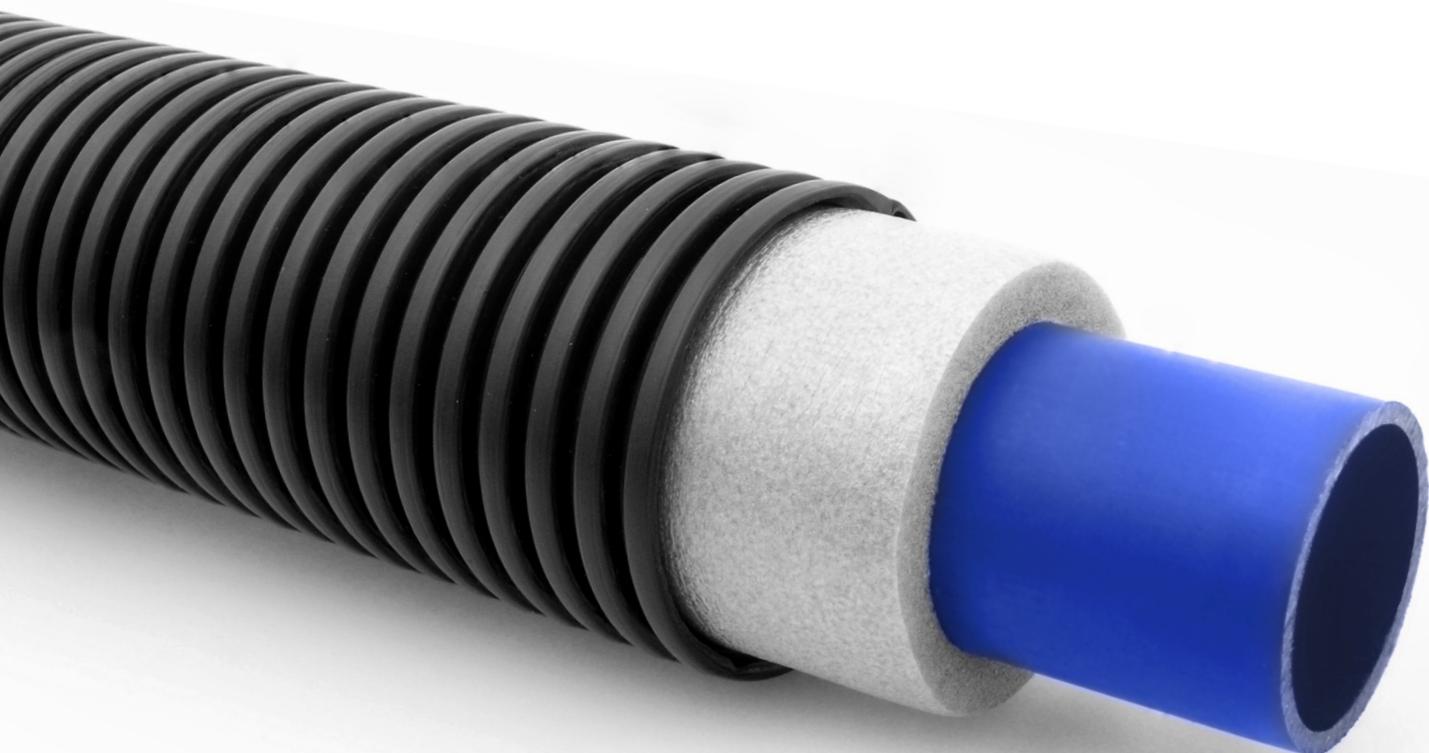
## INFLEX HDCW

### Inflex HDCW (Cold Water)

Inflex HDCW is designed for transporting cold drinking and sanitary water. The system consists of an HDPE pipe insulated with flexible foam and enclosed in a corrugated pipe for outside protection. A multilayer layer of soft foam EPE provides excellent thermal insulation in a wide temperature range. Insulation's closed-cell structure prevents water absorption and water vapour permeability, and is resistant to mechanical deformation.

These pipes have high mechanical strength (500 N), high-impact resistance and flexibility which makes them easy to install. Pipes are recommended for all types of construction, outdoor applications and industrial applications

Pipes are available in 6 meter straight lengths and in coils of 25, 50 and 100 meters.



# INFLEX HDCW

Carrier pipe diameter (mm)	Pipe symbol	Insulation thickness (mm)	Outside diameter (mm)	Heat emission W/m*	Minimum bending radius (m)**
<b>32</b>	Thermal 32x63	10,5	63	6,83	0,255
<b>40</b>	Thermal 40x63	6,5	63	10,53	0,330
<b>50</b>	Thermal 50x90	12	90	8,18	0,405
<b>63</b>	Thermal 63x110	15	110	8,68	0,540
<b>75</b>	Thermal 75x160	30	160	8,05	0,675
<b>90</b>	Thermal 90x160	24	160	8,84	0,810
<b>90</b>	Thermal 90x200	42	200	5,91	0,850
<b>110</b>	Thermal 110x200	32	200	8,13	0,990
<b>125</b>	Thermal 125x200	25	200	10,68	1,125

\*Average heat emission in W/m:

- T medium: 20°C
- T environmental: 5°C
- T  $\Delta$ : 15K

\*\*Reported values may differ from the actual depending on the type of carrier pipe

## Carrier pipe

Material: **HDPE 100**

Type: **SDR17 PN10 / SDR13,6 PN12,5 / SDR11 PN16 / SDR9 Pn20**

Applications: **heating, sanitary, industrial installations**

The minimum working temperature: **-10 °C**

The maximum working temperature: **+20 °C**

**According to PN-EN12201-2**

When using permanent operating temperature higher than +20 °C to +40 °C, pressure reduction factor is:

Temperature	Pressure reduction factor
+20 °C	1,0
+30 °C	0,87
+40 °C	0,74

For temperatures between these values is permitted interpolation.

## Insulation

Material: **Extended polyethylene closed cell foam (EPE)**

Produced without (H)CFC's

Density: **30kg/m3 +/- 10%**

Water vapour diffusion resistance: **>3000  $\mu$**

Water absorption: **B - 1%**

Chemical resistance: **excellent**

Flammability (reaction to fire): **Class F / E / D**

## Exterior protection pipe

Type: **RW**

Material: **polyethylene mod. (HDPE-mod.)**

Water vapour permeability: **minimum**

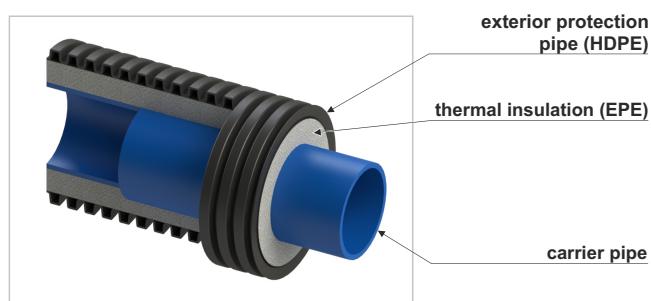
Mechanical strength (PN-EN 61386-24): **500N**

Chemical resistance: **excellent**

UV resistance: **2 years**

Colour: **black**

## Pipe section



The specification can be subject to change without notice.



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