

PRE-INSULATED PIPES FOR INDOOR USE

INFLEX[®] B/BC/BCK

Pre-insulated pipes inflex B (basic) are designed for transporting liquids in heating and sanitary installations inside buildings. The applied layer of soft EPE foam provides excellent thermal and acoustic insulation over a wide temperature range. The closed-cell structure of the material acts against water absorption and water vapor permeability. High flexibility of the pipes makes it easy for carrying out installation. Pipes are available in coils: 25, 50, 75, 100 meters. **Insulation according to standard EN14313**

Inflex B (Basic)

Pipes recommended for use in wooden constructions and areas difficult to access. Insulation does not include protective film.



Inflex BC (Basic Coated)

Pipes recommended for use in wooden constructions, traditional (brick) buildings and areas difficult to access.

The outer protective film has a high mechanical resistance to tearing and damage while dragging the pipe on hard surfaces and in contact with sharp edges. Available in red or blue colour.



Inflex BCK (Basic Coated Knurled)

Pipes recommended for use in wooden constructions, traditional (brick) buildings and areas difficult to access.

The knurled outer protective film has a deep ribbing which allows a stable and lasting connection with mortar. The high quality of the knurled film gives the insulation greater resistance to breaking, tearing, puncture and abrasion. It provides a perfect seal against the ingress of moisture from the concrete screed. Available in red or blue colour.



INFLEX B/BC/BCK

www.ingremio.pl

modern technical idea

Carrier pipe diameter (mm)	Pipe symbol	Insulation thickness (mm)	Outside diameter (mm)	heat emission W/m*
15	B/BC/BCK 15x6	6	27	12,50
	B/BC/BCK 15x9	9	33	9,32
	B/BC/BCK 15x13	13	41	7,31
	B/BC/BCK 15x20	20	55	5,66
16	B/BC/BCK 16x6	6	28	13,13
	B/BC/BCK 16x9	9	34	9,75
	B/BC/BCK 16x13	13	42	7,61
	B/BC/BCK 16x20	20	56	5,87
18	B/BC/BCK 18x6	6	30	14,38
	B/BC/BCK 18x9	9	36	10,60
	B/BC/BCK 18x13	13	44	8,22
	B/BC/BCK 18x20	20	58	6,28
20	B/BC/BCK 20x6	6	32	15,63
	B/BC/BCK 20x9	9	38	11,45
	B/BC/BCK 20x13	13	46	8,82
	B/BC/BCK 20x20	20	60	6,69
22	B/BC/BCK 22x6	6	34	16,88
	B/BC/BCK 22x9	9	40	12,29
	B/BC/BCK 22x13	13	48	9,42
	B/BC/BCK 22x20	20	62	7,09
25	B/BC/BCK 25x6	6	37	18,74
	B/BC/BCK 25x9	9	43	13,55
	B/BC/BCK 25x13	13	51	10,31
	B/BC/BCK 25x20	20	65	7,69
28	B/BC/BCK 28x6	6	40	20,60
	B/BC/BCK 28x9	9	46	14,80
	B/BC/BCK 28x13	13	54	11,19
	B/BC/BCK 28x20	20	68	8,28
32	B/BC/BCK 32x6	6	44	23,07
	B/BC/BCK 32x9	9	50	16,46
	B/BC/BCK 32x13	13	58	12,35
	B/BC/BCK 32x20	20	72	9,06

*Average heat emission in W/m:

- T medium: 50°C
- T environmental: 20°C
- T Δ: 30K

Carrier pipe

Available types of pipes: **PEX, PEX/AL/PEX, PB, PERT, PERT/AL/PERT, others**

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

Technical parameters conform to the type

Insulation

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

Produced without (H)CFCs

Density: **30 kg/m³, +/- 10%**

Thermal Conductivity (λ):

0,039 W/mK 40°C

0,041 W/mK 50°C

Water vapour resistance: **3.170 μ**

Water absorption: **B - 1 %**

Minimum working temperature: **-50 °C**

Maximum working temperature: **+95 °C**

Chemical resistance: **excellent**

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

Coating

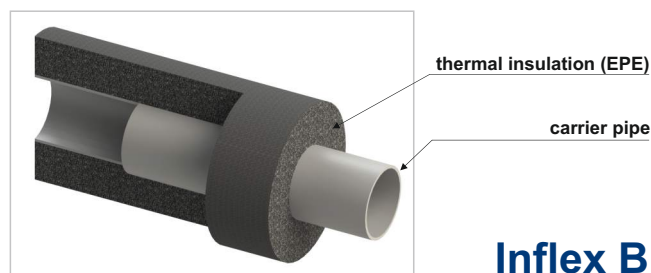
Material: **Polyethylene mod. (LDPE mod.)**

Water vapour resistance: **minimum**

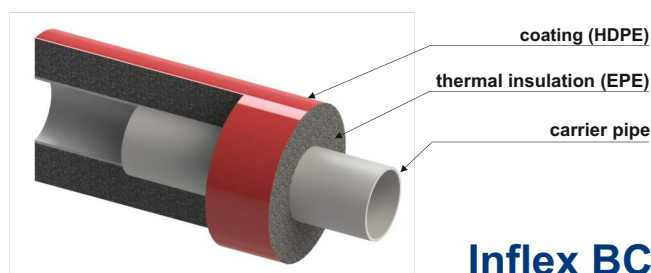
Chemical resistance: **excellent**

Colours: **red, blue**

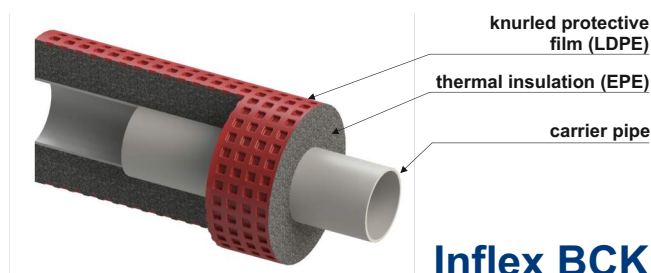
Pipe section



Inflex B



Inflex BC



Inflex BCK

The specification can be subject to change without notice.



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