

ROCKWOOL 810

Sectional pipe insulation



Product description

ROCKWOOL 810 is a concentrically wrapped stone wool pipe section, faced with a fibreglass-reinforced aluminium foil and featuring a self-adhesive overlapping flap.



Application

The pipe sections provide thermal and acoustic insulation for heating pipes and sanitary pipes.

ROCKWOOL 810

Product advantages

- Thermal and acoustic insulation in one product;
- Easy and quick to attach due to saw cut and self-adhesive overlapping flap for sealing;
- Wide range of diameters and insulation thicknesses for using on metal and plastic pipes up to 406 mm in diameter;
- Suitable for improving the fire reaction properties of pipes;
- Optimum insulation offered by a wide range of insulation thicknesses and diameters;
- Can also be used on stainless steel;
- Long lifespan;
- Secure fit, which means that heat loss through joints is kept to a minimum;
- Short payback period.

General properties

ROCKWOOL stone wool

- Excellent thermal insulation properties; not affected by shrinkage or expansion, therefore prevents thermal leaks. No thermal ageing, so offers continuous insulation performance throughout the life of the building;
- Non-flammable, causes no smoke development and no noxious fumes in the event of fire. Resistant to temperatures up to above 1000°C. Does not cause flashovers. Highest reaction to fire classification level (Euroclass A1), compliant with NEN-EN 13501-1;
- Excellent sound-absorption properties; increases the acoustic insulation of a structure;
- Environmentally friendly, natural material that is fully recyclable. Makes a significant contribution to the sustainability of buildings;
- Water-repellent, non-hygroscopic and non-capillary;
- Chemically neutral and does not cause or promote corrosion;
- Does not provide a breeding ground for moulds.

Range

Units per pack

Ø (mm)	Insulation thickness (mm)				
	25	30	40	50	60
18	30	25			
22	30	20	13	9*	
28	25	20	12	9*	
35	20	16	9	7	5*
42	16	12	9	6	4*
48	15	12	9	6	4*
54	15	12	9	6	4*
57	12	9	6	5	4
60	11	9	6	5	4
64	9	9	6	4	3
70	9*	8	5	4	3
76	9*	7	5	4	3
83	7*	6	5	3	3
89	6*	6	4	3	3
102	5*	4	4	3	3
108	5*	4	3	3	3
114	4*	4	3	3	3
121	4*	4	3	3	3
127	4*	3	3	3	3
133	3*	3	3	3	3
140	3*	3	3	3	1
159	3*	3*	3*	1	1*
169	3*	3*	3*	1	1*
178	3*	3*	3*	1	1*
194	3*	3*	1*	1*	1*
219	1*	1*	1*	1*	1*

For other diameters up to 406 mm and other thicknesses, contact our Customer Service department on 0475 35 36 18.

Minimum purchase quantity 15 m¹.

* Refers to the thermal conductivity coefficient. See Technical information.

Technical information

Thermal conductivity coefficient (Standard: EN ISO 8497)

T (°C)	λ (W/m.K)	T (°C)	λ (W/m.K)
10	0,033 / 0,034	50	0,037 / 0,039
20	0,034 / 0,035	100	0,044 / 0,046
30	0,035 / 0,036	150	0,052 / 0,056
40	0,036 / 0,037		

	Value	Standard
Maximum Service Temperature	250°C	EN 14707
Euroclass	A2 ₁ -s1, d0	EN 13501-1
	Non-combustible	IMO A 799
	Low surface flame spread	IMO A 653
Nominal density	100 kg/m ³	EN 13470
Water-leachable chloride	Chloride content < 10 ppm	EN 13468
Water absorption	< 1 kg/m ²	EN 13472:2001
Vapour diffusion resistance of aluminium foil	S _d > 200 m	EN 13469
Air Flow Resistivity	> 60 kPa.s/m ²	EN 29053
Designation code	MW EN 14303-T9(T8 if D _o <150)-ST(+J250-WS1-MV2-CL10 *	EN 14303

* D_o = outside diameter

ROCKWOOL 810 is certified by the Belgian BUtgb technical approval authority under national technical approval no. ATG 2193.

Installation

Fit the insulating sections tightly without any gaps or open joints, with the horizontal seams facing downwards. Seal the horizontal seams using the self-adhesive aluminium flap. It is recommended that ends are finished using a self-adhesive aluminium tape. If there is any risk of condensation, add a supplementary vapour-resistant layer to the insulation.

Technical Service

Please contact our Customer Service department with any technical questions.
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ROCKWOOL reserves the right to make changes to its products without notice. ROCKWOOL accepts no liability for any typesetting errors, other errors or omissions.

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