r.Heat®A

Mineral wool pipe sections

TERAZ POLSKA

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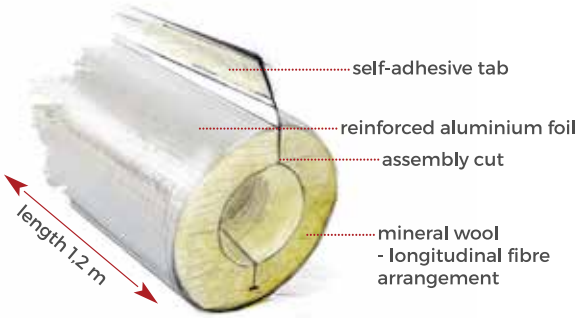
Product

r.Heat®A is a mineral wool pipe section coated with reinforced aluminium foil. The mineral wool used has a high temperature resistance (up to 300°C) and longitudinal fibre arrangement, giving the product both rigidity and optimal thermal insulation properties. **r.Heat®A** has a longitudinal assembly cut and a wide, self-adhesive closing tab.

Product structure

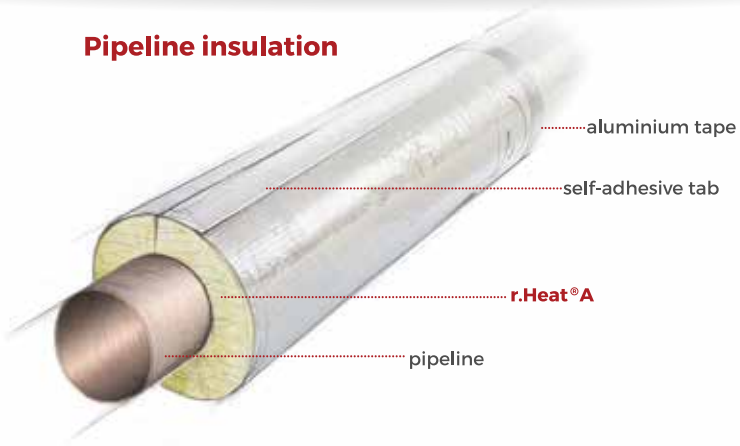


Application

r.Heat®A is intended for thermal, fire, anti-condensation and acoustic insulation of piping systems. The product is used in heating, ventilation, sanitary and industrial installations.

The use of a reinforced cladding finished with a wide self-adhesive closing tab makes the assembly process both quick and secure. The insulated installation looks aesthetically pleasing. The **r.Heat®A** pipe section which is longer by 20% (1.2m) increases assembly efficiency, contributing to lower labour costs. Low chloride ion content (CL10) reduces the risk of corrosion of insulated components.

Pipeline insulation

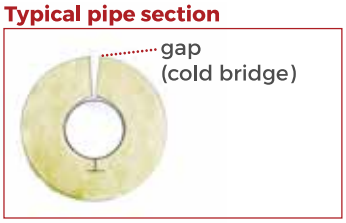


Advantages of the shape maintenance system

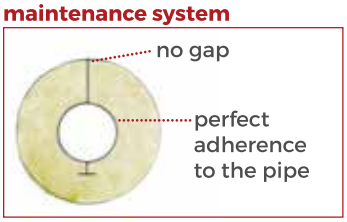
r.Heat®A has a unique system of maintaining the round shape of its inner diameter. Due to the special technology used to shape the walls of the pipe section, the loss of material within the assembly gap does not affect the round shape of the inner diameter. Thanks to this property, the **r.Heat®A** pipe section installed on the pipeline is tightly closed at the point of assembly cut and ideally adheres to the pipeline, which directly counteracts the occurrence of "cold bridges". This is crucially important for installations with diameters (DN) of more than 3 inches.

Shape maintenance system

Typical pipe section



Pipe section with shape maintenance system



Technical details

PARAMETER	VALUE	UNIT	SYMBOL	STANDARD
declared thermal conductivity (temp. 40˚C)	0,038	W/m·K	λ_D	EN ISO 8497
reaction to fire	incombustible	class	A2/$A2_L$-s1,d0	EN 13501-1
maximum service temperature	250	˚C	ST(+)250	EN 14707
short-term water absorption	≤ 1	kg/m²	WS1	EN 13472
diffusion resistance of water vapour (for the cover)	$s_d \geq 200$	m	MV2	EN 13469
wall thickness tolerance (for Do < 150 mm)	-5% lub -3mm/+5% lub +3mm	% lub mm	T8	EN 13467
wall thickness tolerance (for Do ≥ 150 mm)	-6% lub -5mm/+6% lub +5mm	% lub mm	T9	EN 13467
inner diameter tolerance (for Do < 150 mm)	-0 / +4	mm	-	EN 13467
inner diameter tolerance (for Do ≥ 150 mm)	-0 / +2% lub +5mm	% lub mm	-	EN 13467
content of chloride ions	≤ 10	mg/l kg	CL10	EN 13468

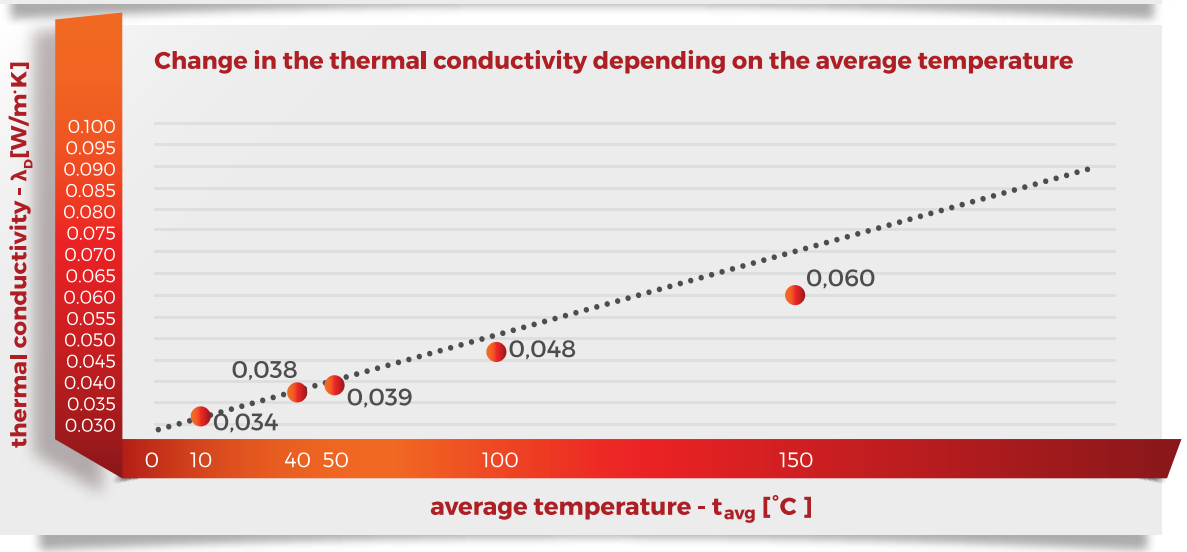
Product CE code for Do<150mm	MW-EN 14303-T8-ST(+)250–WS1-MV2-CL10
Product CE code for Do≥150mm	MW-EN 14303-T9-ST(+)250–WS1-MV2-CL10
Product Standard	PN-EN 14303:2009+A1:2013
Environmental Product Declaration	02-12/2024
Product Documents	www.rohhe.com/documents

CE

Values of declared thermal conductivity (λ_D) at selected average temperatures

temperature [˚C]	10	40	50	100	150
λ_D [W/m·K]	0,034	0,038	0,039	0,048	0,060

Change in the thermal conductivity depending on the average temperature



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Packaging method

Cardboard boxes of **r.Heat®A** pipe sections are laid vertically on a wooden pallet (0.8 x 1.2 m) in two layers. Depending on the size of the product, the pallet holds 12 boxes (0.4×0.4 m) or 8 boxes (0.6×0.4 m). The pallet may also be protected by an auxiliary LDPE hood on top and is additionally wrapped in stretch foil. This packaging method fully protects the product from damage during transportation and storage operations. It also allows for the safe stacking of factory-secured pallets in two layers.

All **r.Heat®A** pipe sections are packed in cardboard boxes. For smaller sizes a box of 0.4 x 0.4 x 1.2 m is used, for larger sizes a box of 0.6 x 0.4 x 1.2 m is used.

Each box has two special, perforated tear-off windows giving convenient access to its contents. Opening the windows does not affect the structure of the side walls of the box. To facilitate the transportation of individual packages, handles are cut out on the sides of each box. The box provides viable protection against both dirt and mechanical damage.

ROHHE Partner:

ROHHE Sp. z o.o.
05-555 Tarczyn, Al. Krakowska 19A
tel. +48 22 299 88 33, biuro@rohhe.pl
Orders: 736 233 377, zamowienia@rohhe.pl
Logistics: 736 233 372, logistyka@rohhe.pl
Sale - Poland: 736 233 371, 736 233 375, 797 654 015, 793 500 140, 736 233 378, 736 233 374, sprzedaz@rohhe.pl
Sale - Export: 736 233 379, export@rohhe.pl
www.rohhe.com

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