r.Heat®N

Mineral wool pipe sections

LAUR KLIENTA 2024 · LAUR KLIENTA 2022 · LAUR KLIENTA 2021 · LAUR KLIENTA 2020

TERAZ POLSKA

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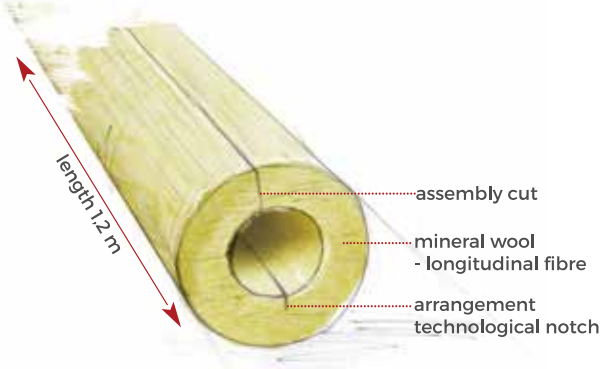
Product

r.Heat®N

is a mineral wool pipe section without cladding. The wool used is characterised by a high temperature resistance (up to 300°C) and water absorption resistance (≤ 1 kg/m²). Thanks to the special fibre arrangement, the product is characterised by high longitudinal rigidity, mechanical strength over the wall thickness and optimal thermal insulation properties. **r.Heat®N** has a longitudinal assembly cut and an internal technological notch facilitating installation of the product on the pipeline.

Product structure

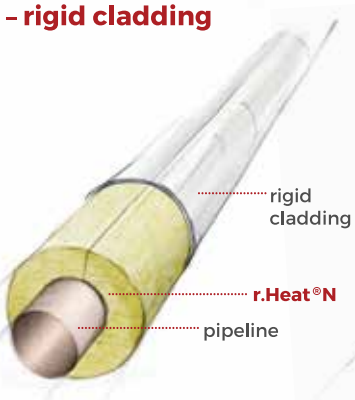


Application

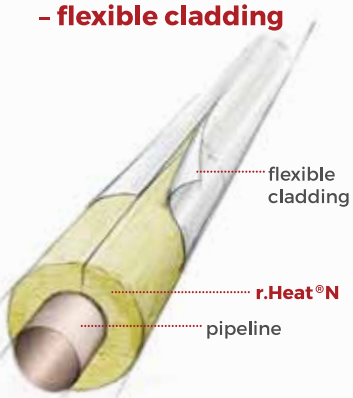
r.Heat®N

is intended for thermal, fire protection and acoustic insulation of piping systems. The product is used in industrial and building installations in applications requiring additional external shielding. The product is fit for working both with rigid cladding, such as metal sheets, and flexible cladding, e.g. in the form of a multilayer UV resistant film. The compact structure of the wool used provides secure and durable support for the cladding. Low chloride ion content (CL10) reduces the risk of corrosion of the insulated elements. The **r.Heat®N** pipe section longer by 20% (1.2 m) increases the efficiency of insulation work, contributing to lower labour costs.

Pipeline insulation – rigid cladding



Pipeline insulation – flexible cladding



Pipeline insulation – without cladding

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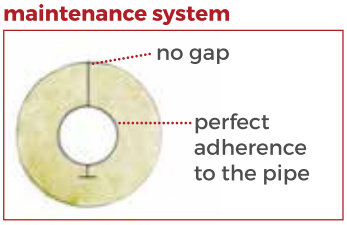
Advantages of the shape maintenance system

r.Heat®N 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®N** 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

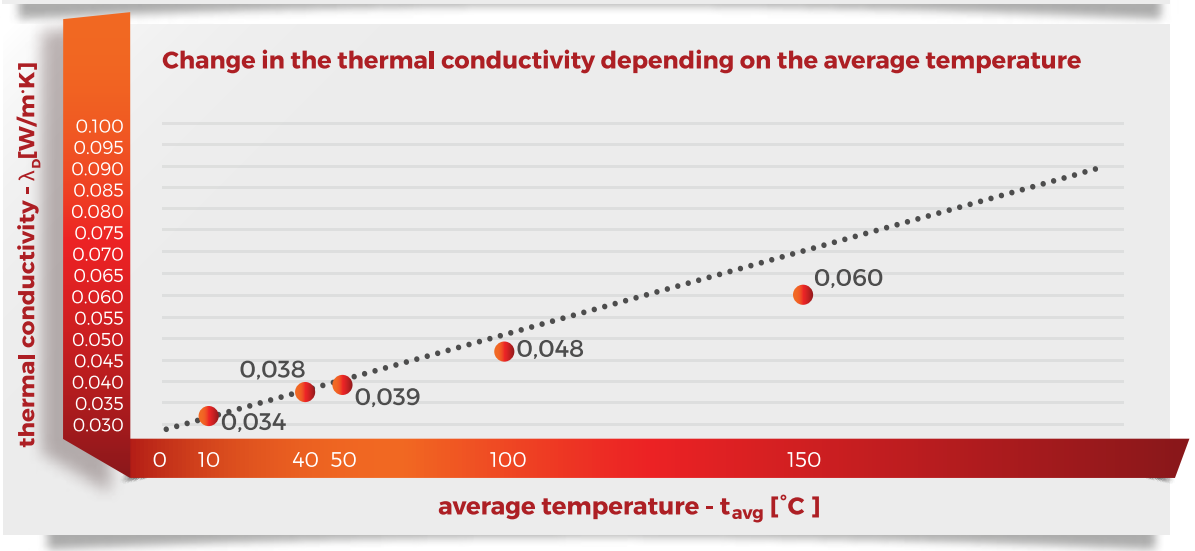
PARAMETER	VALUE	UNIT	SYMBOL	STANDARD
declared thermal conductivity (temp. 40˚C)	0,038	W/m·K	λ_D	EN ISO 8497
reaction to fire	incombustible	class	A2/$A2_L$-s1,d0	EN 13501-1
maximum service temperature	250	˚C	ST(+)250	EN 14707
short-term water absorption	≤ 1	kg/m²	WS1	EN 13472
diffusion resistance of water 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



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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.

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