



ROHHE®

TECHNICAL DATASHEET

r.Heat® A

Product

r.Heat® A is a pipe section made of mineral wool coated with reinforced aluminum foil. The mineral wool has a high temperature (up to 300 °C) resistance and longitudinal fiber 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.



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 proces both quick and secure. The insulated installation looks aesthetically pleasing. 20 % longer **r.Heat® A** (1.2 m) increases assembly efficiency, contributing to lower labor costs. Low chloride ion content (CL10) reduces the risk of corrosion of isolated components.

Packaging

All **r.Heat® A** pipe sections are packed in cardboard boxes. The smaller boxes 0.4 x 0.4 x 1.2 m, while the larger ones are 0.6 x 0.4 x 1.2 m. Each box features two special, perforated slit openings giving convenient access to its contents. Opening the slits 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.. 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 x 0.4 m) or 8 boxes (0.6 x 0.4 m). The pallet is protected by an auxiliary LDPE hood on top and additionally wrapped in stretch foil. This packaging method fully protects the product from damage during transportation and during warehouse moves. It also allows for the safe stacking of factory-secured pallets in two layers.



ROHHE® Energy to live

ROHHE® Sp. z o.o.

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Parameters

Parametr	Value	Norm
Reaction to fire class	A2L-s1,d0	EN 13501-1
Declared thermal conductivity, λ_D	at 10° C 0,033 W/m·K	EN ISO 8497
	at 40° C 0,037 W/m·K	
	at 50° C 0,038 W/m·K	
	at 100° C 0,045 W/m·K	
	at 200° C 0,065 W/m·K	
at 300° C 0,090 W/m·K		
Maximum service temperature	300 °C	EN 14707
Wall thickness tolerance	Do<150mm -5% or -3mm/+5% or +3mm	EN 13467
	Do≥150mm -6% or -5mm/+6% or +5mm	
Internal diameter tolerance	Do<150mm -0mm / +4mm	EN 13467
	Do≥150mm -0mm / +2% or +5mm	
Length tolerance	+5 mm	EN 13467
Uniformity of thickness	difference < 6mm or 10%	EN 13467
Squareness	± 4mm or ± 2% ext. dia.	EN 13467
Content of chloride ions	≤ 10 ppm (10 mg/1 kg)	EN 13468
Diffusion resist. of water vapor	sd ≥ 200 m	EN 13469



Documents

Norm	EN 14303:2015
CE code	Do<150mm MW-EN 14303-T8-ST(+) 300-WS1-MV2-CL10
	Do≥150mm MW-EN 14303-T9-ST(+) 300-WS1-MV2-CL10
DoP No.	DoP-hta-2022
Higienic Certificate	PZH no. BK/K/0291/01/2018



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r.Heat® A mineral wool pipe sections with reinforced ALU foil and self-adhesive stripe are classified to corresponding utility class according to **EN 12828:2012+A1:2014** and **EN ISO 12241:2008**

Steel	DN	DN (mm)	D _{ext.} of pipe	D _{int.} of insulation
	3/8"	10	17,2	18
	1/2"	15	21,3	22
	3/4"	20	26,9	28
	1"	25	33,7	35
	1 1/4"	32	42,4	42
	1 1/2"	40	48,3	48
	2"	50	60,3	60
	2 1/2"	65	76,1	76
	3"	80	88,9	89
	4"	100	114,3	114
	5"	125	139,7	140
	6"	150	168,3	168
	8"	200	219,1	219
	10"	250	273	273
	12"	300	323,9	324

Thickness of r.Heat® A pipe sections					
Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
20	20	20	20	30	40
20	20	20	20	30	50
20	20	20	30	40	50
20	20	25	30	40	60
20	20	25	40	50	70
20	20	30	40	50	80
20	30	30	40	60	90
20	30	40	50	70	100
20	30	40	50	70	100
20	30	40	50	80	110
20	30	40	60	80	120
30	40	50	60	80	120
30	40	50	60	100	130
30	40	50	70	100	120
30	40	50	70	100	130

Copper	DN (mm)	D _{ext.} of pipe	D _{int.} of insulation
	17	17	18
	22	22	22
	28	28	28
	35	35	35
	40&42	42	42
	54	54	54
	64	64	64
	70	70	70
	76,1	76,1	76
	88,9	88,9	89
	102	102	102
	108	108	108

Thickness of r.Heat® A pipe sections					
Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
20	20	20	20	30	40
20	20	20	20	30	50
20	20	20	30	40	60
20	20	25	30	40	60
20	20	25	40	50	70
20	30	30	40	60	80
20	30	30	40	60	90
20	30	40	50	60	90
20	30	40	50	70	100
20	30	40	50	70	100
20	30	40	50	70	110
20	30	40	50	70	100

Parameters for calculation

Temperature of the heat-transfer fluid = 60°C

Temperature of surroundings = 20°C

$\lambda_{(40^{\circ}\text{C})} = 0,037 \text{ W}/(\text{m}\cdot\text{K})$



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