ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

TECHNICAL INSULATION **DATASHEET**

PIPO ALS

INSULATING PIPE SECTIONS



PRODUCT DESCRIPTION

PIPO ALS backed pipe insulating casings are thermal insulating products made of stone wool. They represent a hollow cylinder cut lengthwise on one-side or two half-cylinders, made of one or two segments.

APPLICATION

PIPO ALS are used for thermal and acoustic insulation for heat distribution systems with large boilers and curved surfaces, for airducts and ventilation systems.Vertical orientation of the fibres increases the resistance of the products to load and compression.

SPECIFIC PROPERTIES OF ROCKWOOL STONE WOOL

- Excellent thermal, acoustic and fire-safe qualities;
- Thermal qualities not affected by time passing by;
- Water and moisture repellent, absolute vapour permeability and dimension stability;
- Chemically neutral;
- Hydrophobic and non-hygroscopic;
- Environmentally friendly, no contents of asbestos or toxic elements;
- Excellent dimension stability;
- Fast and easy to assemble,which reduces consumptions and time for realization;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms.

PACKING

The slabs are wrapped in PE foil with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING

Internal diameter (mm)		21	27	34	42	49	57	60	70	76	89	102	108	114	133	140	159	168	194	219
Thickness (mm)	25	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	50	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	60						•	•	•	•	•	•	•	•	•	•	•	•	•	•
	80										•	•	•	•	•	•	•	•	•	•
	100											•	•	•	•	•	•	•	•	•

Non-standard sizes are available upon agreement with ROCKWOOL, a.s.

TECHICAL PARAMETERS

Typical Features	Symbol	Value			Unit			Standard
Density	ρ	80 - 100			kg /m³			Standard
Working temperature	t_t	max. 250 *			°C			EN 1602
Medium thermal resistance	λ_D	0.036			W / m.K			--
Medium thermal resistance at different temperature	t_m	50	100	150	200	250		EN 12667
	λ_m	0.038	0.046	0.056	0.069	0.083	°C	EN 12667
Reaction to fire	A_1	Non combustible			-		$W.m^{-1}.K^{1}$	EN 12667
Specific heat capacity	C_p	840			J / kg.K			EN 13501-1
Melting point	t_t	> 1000			°C			EN 13162
Number of water vapor transmission propertie	μ	1			kg /m³			DIN 4102
								EN 12086
Bulgarian Technical Approval	Protocol № 00-140/ 12.05.2004			SRICM, Sofia				EN 12086
Sanitary Permit	№ 03579 / 2000 by Bulgarian Ministry of Health							EN 13162
Environment Management System	Certificate No.140868			Bureau Veritas (BVQI) CS Prague				ISO 14001:2000
Quality Management System	Certificate No. 134429			Der Norske Veritas (DNV) Magyarorszag Kft.				ISO 9001:2000

*** On side with reinforced aluminium coating (ALS) maximum allowed temperature of 100 °C.*

Any information contained in this data sheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time.

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