ROCKWOOL®

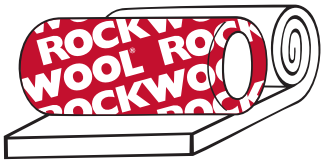
THERMAL AND FIRESAFE INSULATION

PITCHED ROOFS, INTERIOR STRUCTURES, FACADE CASSETTES

DATASHEET

ROLLROCK

MULTIPURPOSE THERMAL INSULATING MATS



PRODUCT DESCRIPTION

Flexible, hydrophobic stone wool rolled and compressed light mats, without surface covering.

APPLICATION

ROLLROCK mats are used for thermal and acoustic insulation:

- in light partition walls, inserted in the air space between gypsum phaser, gypsum board planes or metal sheets;
- in the under roof space as a light filling in horizontal, vertical or sloped constructions;
- above suspended ceilings;
- in metal cassettes in cases of layer by layer mounting of facade linings.

SPECIFIC PROPERTIES OF ROCKWOOL STONE WOOL

- Fast and easy to assemble;
- Perfect fitting to the building construction;
- Efficient fire protection;
- Notable improvement of acoustic comfort;
- Hydrophobic and non-hygroscopic;
- Chemically inert;
- Environmentally friendly, no contents of asbestos or toxic elements;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms.

PACKING

The ROLLROCK mats are rolled, compressed and wrapped in PE foil with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING

Thickness (mm)	50	60	70	80	100	120	140	150	160	180
Length (mm)	5500	4500	4000	6000	5500	4000	4000	3500	3500	3000
Width (mm)	600	600	600	600	600	600	600	600	600	600
m^2 / pack	13.20	10.80	9.60	7.20	6.60	4.80	4.80	4.20	4.20	3.60
Number rolls in pack (nb.)	4	4	4	2	2	2	2	2	2	2

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

TECHNICAL PARAMETERS

Typical Features		Symbol		Value		Unit		Standard
Density		ρ		~28		kg /m³		EN 1602
Medium thermal resistance at different temperature		λ_D		0.039		W / m.K		EN 12667
Reaction to fire		A_1		Non combustible		-		EN 13501-1
Specific heat capacity		C_p		840		J / kg.K		EN 13162
Melting point		t_t		> 1000		°C		DIN 4102
Number of water vapor transmission properties		μ		2		kg /m³		EN 12086
24 h short term water absorption by partial immersion		W_p		≤ 1	test = 0.19	kg /m²		EN 1609
Loading dead		F_p		max. 0.481		-		EN 12430
Noise reduction coefficient α_s	Hz	125	250	500	1000	2000	4000	EN 20354
	α_s / δ = 100mm	0.26	0.87	0.94	0.93	0.89	0.95	
Bulgarian Technical Approval		Protocol № 00-138/ 12.05.2004		SRICM, Sofia				EN 13162
Sanitary Permit		№ 03579 / 2000 by Bulgarian Ministry of Health						
Environment Management System		Certificate № 140868		Bareau Veritas (BVQI) CS Prague				ISO 14001:2000
Quality Management System		Certificate № 134429		Der Norske Veritas (DNV) Magyarorszag Kft.				ISO 9001:2000

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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