

MULTIROCK MULTIPURPOSE STONE WOOL THERMAL INSULATING SLABS

PRODUCT DESCRIPTION

Flexible, hydrophobic stone wool slabs.

APPLICATION

Multirock slabs are used for thermal and acoustic insulation:

- in the under-roof space as a light filling in horizontal, vertical or sloped constructions;
- in light partition walls, inserted in the space between gypsum phaser, gypsum board plates or metal sheets;
- above suspended ceilings;
- in metal cassettes in cases of layer by layer assembly 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 and thermal comfort;
- Hydrophobic and non-hygroscopic;
- Chemically inert;
- Environmentally friendly, no contents of asbestos or any toxic elements;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms.

PACKING

Multirock 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									
Thickness (mm)	40	50	60	80	100	120	140	150	160
Length x Width (mm)	1000 x 600								
m ² / pack	9.00	7.20	6.00	3.60	3.60	3.00	2.40	2.40	1.80

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

TECHNICAL PARAMETERS									
Typical Features		Symbol		Value		Unit		Standard	
Density		ρ		~ 30		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	
Compression behavior at 10% deformation		σ_{10}		test= 0.50		kPa		EN 826	
Number of water vapor transmission properties		μ		2		kg /m³		EN 12086	
24 h short term water absorption by partial immersion	Partial dipping	W_p		≤ 1	test= 0.17	kg /m²		EN 1609	
	Complete dipping	W_p		≤ 3		kg /m²		-	
Noise reduction coefficient α_s	Hz	125	250	500	1000	2000	4000	EN ISO 20354	
	$\alpha_s / \delta = 50\text{mm}$	0.10	0.51	0.85	0.84	0.86	0.99		
	$\alpha_s / \delta = 100\text{mm}$	0.28	0.92	0.99	0.93	0.88	0.93		
Bulgarian Technical Approval		Protocol № 00413/ 16.06.2005				SRICM, Sofia			EN 13162
Sanitary Permit		№ 03579 / 2000 by Bulgarian Ministry of Health							
Environment Management System		Certificate No.140868				Bureau Veritas (BVQI) CS Prague			ISO 14001:2000
Quality Management System		Certificate No. 134429				Der Norske Veritas (DNV) Magyarország 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.