ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

VENTILATED FACADES

DATASHEET

AIRROCK LD FB1/FW1

STONE WOOL THERMAL INSULATING SLABS



PRODUCT DESCRIPTION

Flexible and stable, hydrophobic stone wool slabs **, one side coated with black (FB1)** or **white (FW1) glassfibre veil.**

APPLICATION

Airrock LD slabs are used for thermal and acoustic insulation on the external side of ventilated facades - they are inserted in the space between the main construction of the building and its surface 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;
- Water and moisture repellent, absolute water vapour permeability and dimension stability;
- Dust rejection properties of glassfibre veil;
- Chemically inert;
- Environmentally friendly, no contents of asbestos or toxic elements;
- Harmless to man, no requirements for special means of protection when working with it;
- 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							
Thickness (mm)	40	50	60	80	100	120	140
Length x width (mm)	1000 x 600						
m^2 / pack	9.00	7.20	5.40	4.80	3.60	3.00	2.40

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

TECHNICAL PARAMETERS					
Typical Features		**Symbol**	**Value**	**Unit**	**Standard**
Density		ρ	~ 40	kg /m^3	EN 1602
Medium thermal resistance at different temperature		λ_D	0.037	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}	3.7	k Pa	EN 826
Air flow resistance		r	8.9 /120 mm	k Pa.s/m^2	EN 29053
Noise reduction coefficient	At f=0.25-4kHz	α_s	0.84/60 mm 0.92/100 mm	-	EN 20354
24 h ahort term water absorption by partinal immersion	Partial dipping	W_p	≤ 1	test = 0.22	kg /m^2	EN 1609
	Complete dipping	W_{lp}	≤ 3		kg /m^2	-
Number of water vapor transmission properties		μ	2		kg /m^3	EN 12086
Bulgarian Technical Approval		Protocol № 00-140/ 12.05.2004		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) 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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