ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

VENTILATED FACADES, SANDWICH MASONRY, PARTITION WALLS, PITCHED ROOFS

DATASHEET

AIRROCK LD

STONE WOOL THERMAL INSULATING BATTS



PRODUCT DESCRIPTION

Flexible, hydrophobic stone wool batts.

APPLICATION

Airrock LD batts are used for thermal and acoustic insulation:

- **in light partition walls;**
- **above suspended ceilings;**
- as light filling in horizontal, vertical and sloped constructions in under-roof space;
- on the external side of ventilated facades, inserted in the space between the main construction of the building and its lining;
- in metal cassette wall systems or facades with horizontal grids.

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;
- Water and moisture repellent, absolute water vapour permeability and dimension stability;
- 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 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		kPa		EN 826
Air flow resistance		r		8.9 / 120 mm		kPas/m^2		EN 29053
Number of water vapors transmission properties		μ		2		kg /m^3		EN 12086
24 h short term water absorption by patrial immersion	Partial dipping	W_p		≤ 1	test = 0.22	kg /m^2		EN 1609
	Complete dipping	W_{lp}		≤ 3		kg /m^2		-
Noise reduction coefficient α_s	Hz	125	250	500	1000	2000	4000	EN 20354
	α_s / δ = 50mm	0.25	0.68	1.05	1.09	1.05	1.07	
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.

Address: SIPER-BULGARIA Ltd.
1592 Sofia, P.O. box 150; zh.k."Druzhba 1",
blvd. "Prof.Tsvetan Lazarov" № 50
National phone: +359 2/ ***070019889****; fax:* ***979 00 60***
web page: www.siper.bg; e-mail: office@siper.bg

SIPER