

ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

**VENTILATED FAÇADES,
PARTITION WALLS, PITCH ROOFS**

DATASHEET

AIRROCK LD

THERMAL INSULATING SLABS

- PRODUCT DESCRIPTION**

Stone wool resin bonded slabs.

- APPLICATIONS**

Airrock LD slabs are used for thermal, acoustic and fire insulation, for ventilated façades, partition walls. Airrock LD is suitable for pitched roof over or between rafters and for inserting into cassettes or horizontal grid.

- PROPERTIES OF ROCKWOOL MINERAL WOOL**

Thermal insulation; fire resistance – protection against the spread of flame; acoustic absorption; water and moisture repellent – water vapour permeability and dimension stability.

- PACKAGING**

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

DIMENSIONS, PRODUCED RANGE AND PACKAGING

Thickness (mm)	30	40	50	60	80	100	120	140	150	160	180	200
Length x width (mm)	1,000 x 600											
m ² /package	10.8	9.0	7.2	5.4	4.8	3.6	3.0	2.4	2.4	2.4	1.8	1.8

Non-standard sizes (1000 x 625mm and 1000 x 500mm) are available upon agreement with Rockwool Hungary Kft.

TECHNICAL PARAMETERS

Property	Symbol	Value	Unit	Standard
Reaction to fire	--	A1	---	EN 13501-1
Declared coefficient of thermal conductivity	λ_D	0.037	$W.m^{-1}.K^{-1}$	EN 12667
Diffusion resistance factor	μ	≤ 1	---	EN 12086
Sound reduction at $f= 0,25 - 4$ kHz	α_N	0,84 / 60 mm	---	EN 11654
		0,92 / 100 mm		
Air flow resistance	r	8,9 / 120 mm	$kPa.s.m^{-1}$	EN 29053
Specific thermal capacity	C_c	840	$J.kg^{-1}.K^{-1}$	STN 73 0540-1
Melting point	T_i	$> 1,000$	°C	DIN 4102
CE-marking building certificate	1390-CPD-0014/04/P 1390-CPD-0009/04/P		Centre of Building Construction Engineering (CSI) Prague	
Quality Management System	ISO 9001:2000 – Certificate No. 134429 ISO 9001:2000 – CERT-13086-2003-AQ- BUD-TGA		Bureau Veritas Quality International CS (BVQI) Prague Det Norske Veritas (DNV) Zertifizierung und Umweltgutachter GmbH, Budapest	
Environmental Management System	ISO 14001:2004 – certifikát č. 140868		Bureau Veritas Quality International CS (BVQI) Prague	

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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