

ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

**VENTILATED FACADES, SANDWICH MASONRY,
PARTITION WALLS, PITCH ROOFS**

DATASHEET

AIRROCK HD THERMAL INSULATING SLABS

- PRODUCT DESCRIPTION**

Stone wool resin bonded slabs.

- APPLICATIONS**

Airrock HD slabs are used for thermal, acoustic and fire insulation, for ventilated façades, sandwich walls, partition walls. Airrock HD is suitable for pitched roof over or between rafters and for inserting into vertical (or horizontal) grid, panel linings etc.

- 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
Length x width (mm)	1,000 x 500										
m ² /package	-	6.0	5.0	4.0	3.0	2.5	2.0	1.5	-	1.5	1.0
Length x width (mm)	1,000 x 600										
m ² /package	9.0	7.2	6.0	4.8	3.6	3.0	2.4	1.8	1.8	1.8	1.2

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 thermal conductivity coefficient	λ_D	0.035	$W \cdot m^{-1} \cdot K^{-1}$	EN 12667, 12939
Diffusion resistance factor	μ	3.55	(-)	EN 12086
Air flow resistance	r	17,3 / 120 mm	$kPa \cdot s \cdot m^{-2}$	EN 29053
Specific thermal capacity	C_c	840	$J \cdot kg^{-1} \cdot K^{-1}$	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 9001:2001 – Certificate No. 00134		Bureau Veritas Quality International CS (BVQI) Prague
		ISO 9001:2000 – CERT-13086-2003-AQ-BUD-TGA		Det Norske Veritas (DNV) Zertifizierung und Umweltgutachter GmbH, Budapest
Environmental Management System		ISO 14001:2004 – Certificate No. 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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