

# ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

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

**DATASHEET**

## AIRROCK ND

### THERMAL INSULATING SLABS

- PRODUCT DESCRIPTION**

Stone wool resin bonded slabs.

- APPLICATIONS**

Airrock ND slabs are used for thermal, acoustic and fire insulation, for ventilated façades, sandwich walls, partition walls. Airrock ND is suitable for inserting into vertical 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)	1000 x 500											
m <sup>2</sup> /package	-	6,0	5,0	4,0	3,0	2,5	2,0	1,5	1,5	1,5	1	1
Length x width (mm)	1000 x 600											
m <sup>2</sup> /package	9	7,2	6,0	4,8	3,6	3,0	2,4	1,8	1,8	1,8	1,2	1,2
Length x width (mm)	1000 x 625											
m <sup>2</sup> /package	-	7,5	6,25	5,0	3,75	3,12	-	-	-	-	-	-

Non-standard sizes 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	$\lambda_D$	0.035	W.m <sup>-1</sup> .K <sup>-1</sup>	EN 12667
Diffusion resistance factor	$\mu$	3.55	---	EN 12086
Sound reduction	at f= 0,25 - 4 kHz	$\alpha_N$	1,1 / 100 mm	---
			0,97 / 60 mm	
	weighted	$\alpha_w$	0,90 / 60 mm	ISO 354/A1
Air flow resistance	r	12,0 / 120 mm	kPa.s.m <sup>-1</sup>	EN 29053
Specific thermal capacity	$C_c$	840	J.kg <sup>-1</sup> .K <sup>-1</sup>	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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