

ROCKWOOL[®]

Technical Datasheet

AIRROCK XD



Segment of application
**General building & OEM - Accoustic walls
and sound barriers**

AIRROCK XD

High density slab for acoustic constructions and systems

PRODUCT DESCRIPTION

High density multipurpose stone wool slab with excellent thermal and acoustic performance.

APPLICATIONS

Rockwool Airrock XD (XD = eXtra high Density, very high bulk density) slabs are recommended primarily as acoustical proofing inserts of partition walls or various overhanged facade constructions with high acoustic requirements. Rockwool Airrock XD is also recommended to be used as a core material of various sound barriers, where we can supply it coated with a reinforced glass fleece upon request.

PROPERTIES OF ROCKWOOL MINERAL WOOL

Rockwool Airrock XD is an excellent thermal insulator. It is not flammable when exposed to open flame and does not generate smoke nor burning droplets. It helps to prevent the spread of fire. Rockwool Airrock XD has very good sound absorption properties through its increased density and helps to improve acoustic inside rooms, when installed into various acoustic system solutions. Rockwool Airrock XD slabs do not shrink or expand while exposed to heat. They are water repellent through the whole section and at the same time diffusion open for the vapor transmission.

PACKAGING

Rockwool Airrock XD slabs are wrapped in PE shrink foil with Rockwool logo printed on and are packed in bales and on pallets. Basic product data is printed on the label.

DIMENSIONS, PRODUCED RANGE AND PACKAGING

Thickness (mm)	40	50	60	70	80	90	100	120	140	160
Length x width (mm)	1200 x 600 (also width 625 mm available)									
m ² / bale	8,64	4,32	5,76	2,88	4,32	2,88	2,88	2,88	1,44	1,44

TECHNICAL PARAMETERS

Property	Symbol	Value	Unit	Standard
Reaction to fire	-	A1	-	EN 13501 - 1
Declared coefficient of thermal conductivity	λ_D	0.037	W/mK	EN 12667
Water vapour transmission	μ	1	-	EN 12086
Nominal bulk density	ρ_{sm}	90	kg/m ³	EN 1602
Thickness tolerance	T3	-3 +5	mm	EN 823
Water absorption at short time immersing in water	WS	≤ 1,0	kg/m ²	EN 1609
Water absorption at long time immersing in water	WL(P)	≤ 3,0	kg/m ²	EN 12087
Melting point	Tt	> 1000	°C	DIN 4102
CE - certificate number	ACERMI EC - Certificate of conformity 1163-CPD-0201			

Current HSE 'CHIP' Regulations and EU directive 97/69/EC confirm the safety of Rockwool.

Any information contained in this document describes the product properties applicable at the time of issue. Please require from your supplier always the most recent issue of this Technical Datasheet, because with respect to continuous product development, we retain the right to change some values without prior notice.

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