

MULTIPOR

TEHNIČKI LIST/EN

Multipor Mineral Insulation Boards

Product Data Sheet

Multipor Mineral Insulation Board

Please contact your Xella sales representative for information about the locally available Multipor Insulation boards.

Technical data	Description		
Product name	Multipor Mineral Insulation Board		
Approval	ETA - European Technical Approval ETA-05/0093		
Product description	solid – mineral – monolithic, calcium silicate insulation-Hydrate, lime, sand, cement, water, air entraining agents (porosity > 95%-by-volume)		
Application areas according to DIN 4108-10	■ Interior insulation on walls (WI, WTR) ■ Top and bottom ceiling insulating system: Underground garages, basements, driveways (DI, DEO, DZ) ■ External thermal insulation composite system for pitched and flat roofs (DAD, DAA dh, DAA ds) ■ External thermal insulation composite system (WAP)		
Dimensions (Special dimensions available on request)	Manufacturing plant 1-3 l x h = 600 x 390 mm d = 50/60/80/100/120/140/160/180/ 200 bis 300 mm Manufacturing plant 4 l x h = 600 x 500 mm d = 50/75/100/125/150/200 mm		
Dimensional accuracy	± 2 mm		
	Multipor Mineral Insulation Board		
	042	045	047
Density	85-95 kg/m ³	100-115 kg/m ³	115 kg/m ³
Thermal Conductivity, Test acc. EN 12667:2001	$\lambda_{D23/50} = 0.040 \text{ W/(mK)}$	$\lambda_{D23/50} = 0.043 \text{ W/(mK)}$	$\lambda_{D23/50} = 0.045 \text{ W/(mK)}$
Calculation value for thermal conductivity	$\lambda = 0.042 \text{ W/(mK)}$; (WTR, DI, WI ≥ 60 mm)	$\lambda = 0.045 \text{ W/(mK)}$; (DAA dh, DAD, WAP, WZ, DEO, WI = 50 mm)	$\lambda = 0.047 \text{ W/(mK)}$; (DAA ds)
Average compressive resistance	≥ 200 kPa	≥ 300 kPa	≥ 350 kPa
Tensile strength perpendicular to faces	No performance assessed	≥ 80 kPa	≥ 80 kPa

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Deformation	No performance assessed	≤ 1 mm at 1000 N concentrated load, practical construction Compression-free	≤ 1 mm at 1000 N concentrated load, practical construction Compression-free
Permeability and water vapour diffusion resistance coefficient	$\mu = 2$	$\mu = 3$	$\mu = 3$
Fire classification	Non-combustible – fire classification A1 – DIN EN 13501-1		
Heat expansion coefficient	$\alpha = 10^{-5}/K$		
Specific thermal capacity	$c = 0.85 \text{ kJ/(kgK)}$		
Absorption moisture	≤ 6 wt%-by-volume (at 23 °C and 80 % rel. humidity)		
Water absorption	During short-term immersion according to DIN EN 1609 WP = 2.0 kg/m ² During long-term immersion according to DIN EN 12087 WLP = 3.0 kg/m ²		
Other properties	■ "environmentally compatible construction product" according to Construction and Environmental Institute (Institut Bauen und Umwelt e. V.) (IBU e.V.) EPD-XEL-2009212-D ■ Natureplus Quality Number: 0404-0812-0881 ■ eco-Institut label: ID 0813-33144-001 (VOC-free: Standard A+) ■ Biological and microbiologically unobjectionable, inhibiting effect against mould and micro-organisms, fully recyclable		

Local contact person

 www.multipor.com/sales-representatives.php

International Contact

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