

Multipor insulation board

Technical data	Description of the
Designation	Multipor insulation board (previously: Multipor mineral insulation board)
Authorisation	ETA - European Technical Assessment ETA-05/0093
Product description	Solid, mineral, monolithic Thermal insulation material made of calcium silicate hydrates Ingredients: lime, sand, cement, water, pore-forming agent, hydrophobising agent, primer (porosity approx. 95 % by volume)
Areas of application (based on DIN 4108-10)	<ul style="list-style-type: none"> ▪ Interior insulation of walls (WI, WTR) ▪ Ceiling insulation above and below: underground car parks, cellars (DI, DEO) ▪ Thermal insulation for pitched and flat roofs (DAD, DAA dh, DAA ds) ▪ External thermal insulation composite system (ETICS) ▪ Multipor plinth insulation system (MP plinth)
Product dimensions	600 x 390 mm d = 50/60/80/100/120/140/160/180/200 up to 300 mm Special formats on request
Dimensional accuracy	± 2 mm
Nominal value of thermal conductivity	$\lambda_{D23,50} = 0.040 \text{ W/(mK)}$; (WTR, WI/DI from 60 mm thickness) $\lambda_{D23,50} = 0.043 \text{ W/(mK)}$; (DAA dh, DAD, ETICS, MP plinth, WZ, DEO, WI/DI = 50 mm) $\lambda_{D23,50} = 0.045 \text{ W/(mK)}$; (DAA ds)
Rated value of thermal conductivity	$\lambda = 0.042 \text{ W/(mK)}$; (WTR, WI/DI from 60 mm thickness) $\lambda = 0.045 \text{ W/(mK)}$; (DAA dh, DAD, WDV, MP plinth, WZ, DEO, WI/DI = 50 mm) $\lambda = 0.047 \text{ W/(mK)}$; (DAA ds)
Raw density	90 kg/m ³ (for $\lambda = 0.042 \text{ W/(mK)}$) 110 kg/m ³ (for $\lambda = 0.045 \text{ W/(mK)}$) 115 kg/m ³ (for $\lambda = 0.047 \text{ W/(mK)}$)
Compressive strength	≥ 200 kPa (at $\lambda = 0.042 \text{ W/(mK)}$) ≥ 300 kPa (at $\lambda = 0.045 \text{ W/(mK)}$) ≥ 350 kPa (at $\lambda = 0.047 \text{ W/(mK)}$)
Deformation	≤ 1mm at 1000 N point load, compression-free in practice
Water vapour diffusion resistance	open to diffusion $\mu = 2$ (with $\lambda = 0.042 \text{ W/(mK)}$) $\mu = 3$ (with $\lambda = 0.045 / 0.047 \text{ W/(mK)}$)
Sorption moisture	≤ 6 mass % (at 23 °C and 80 % relative humidity)
Building material class	A1, non-combustible according to DIN EN 13501-1
Melting point	≥ 1.200°C

Technical data sheet

Multipor mineral insulation systems

Technical data	Description of the
Coefficient of thermal expansion	$a = 10^{-5}/K$
Specific heat capacity	$c = 1.3 \text{ kJ}/(\text{kgK})$
Certificates	<ul style="list-style-type: none"> ▪ Institut Bauen und Umwelt e.V. (IBU e.V.): EPD-XEL-20180168-IBD1-EN "environmentally compatible building product" ▪ natureplus quality mark: 0404-0812-086-1; 0404-1501-086-2 ▪ eco-Institute label: ID 0813-33144-001 (VOC-free: Standard A+)
DNBG registration code	WG9F8U
Other properties	<ul style="list-style-type: none"> ▪ Biologically and microbiologically harmless, inhibitory effect against fungi and microorganisms, fully recyclable
Waste disposal	<p>Multipor mineral insulation boards can be disposed of in class II landfill sites in accordance with the Landfill Ordinance.</p> <p>Code according to the European Waste Catalogue (EWC): 17 01 01</p>

New designations Multipor mineral insulation boards	
old	new
Multipor mineral insulation board WI / WI clay	Multipor TIPwall M3/M4
Multipor WI compact plus	Multipor Compact Plus M3
Multipor ExSal Therm board	Multipor ExSal Therm M2
Multipor mineral insulation board DI	Multipor TIPceiling M3/M4
Multipor mineral insulation board WAP	Multipor TOPwall M3
Multipor plinth insulation board	Multipor TOPbase M3
Multipor flat roof insulation DAA dh / DAA ds	Multipor TOProof-F M2/M3
Multipor sloping roof insulation DAA dh / DAA ds	Multipor TOProof-S M2/M3
Multipor pitched roof insulation DAD	Multipor TOProof-P M3
Multipor reveal board	Multipor Reveal M2
Multipor insulating wedge	Multipor Wedge M4

Xella Germany GmbH

Xella customer information

☎ 0800 5 235665 (freecall)

@ info@xella.com

🌐 www.multipor.de

Multipor is a registered trademark of the Xella Group.

