

# Ytong Multipor Mineral Insulation Boards

## Product Data Sheet



## Ytong Multipor Mineral Insulation Boards

Designation	Description
Product name	Ytong Multipor Mineral Insulation Boards
Approval	ETA - European Technical Approval ETA-05/0093, AbZ - General Construction Supervisory Approval Z-23.11-1501
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	<ul style="list-style-type: none"> <li>■ Interior insulation on walls (WI, WTR)</li> <li>■ Top and bottom ceiling insulating system: Underground garages, basements, driveways (DI, DEO, DZ)</li> <li>■ External thermal insulation composite system for pitched and flat roofs (DAD, DAA dh, DAA ds)</li> <li>■ External thermal insulation composite system with system partners (WAP)</li> </ul>
Dimensions	600 x 390 mm d = 50/60/80/100/120/140/160/180/200 mm Special dimension available on request
Dimensional accuracy	± 2 mm
Density	approx. 115 kg/m <sup>3</sup>
Calculation value for thermal conductivity	$\lambda = 0.045$ W/mK $\lambda = 0.047$ W/mK for application area DAA ds
Heat expansion coefficient	10 <sup>-5</sup> /K
Specific thermal capacity	1.3 kJ/(kgK)
Permeability	Open to vapour diffusion, water vapour diffusion resistance coefficient $\mu = 3$
Fire classification	Non-combustible – fire classification A1 – DIN EN 13501-1
Compressive resistance	Average ≥ 300 kPa Average ≥ 350 kPa for application area DAA ds
Bending strength	≥ 80 kPa
Deformation	≤ 1 mm at 1000 N concentrated load
Water absorption	During short-term immersion according to DIN EN 1609 WP = 2.0 kg/m <sup>2</sup> During long-term immersion according to DIN EN 12087 WLP = 3.0 kg/m <sup>2</sup>
Absorption moisture	≤ 6%-by-volume (at 23 °C and 80 % relative humidity)
Other properties	Biological and microbiologically unobjectionable, inhibiting effect against mould and micro-organisms, "environmentally compatible construction product" according to Construction and Environmental Institute (Institut Bauen und Umwelt e. V.) (IBU e.V.) EPD-XEL-2009212-D, fully recyclable and Naturplus Quality Number 0404-0812-0881

This technical data sheet serves for consultation. We reserve all rights to changes within the scope of technical advancement. Status 05 09

### Xella Customer Information

Telephone: 08 00-5 23 56 65 (freecall)

Telefax: 08 00-5 35 65 78 (freecall)

E-mail: [info@xella.com](mailto:info@xella.com)

[www.ytong-multipor.de](http://www.ytong-multipor.de)

**YTONG**  
—multipor