

# Mineral Wool Insulation Boards HD, Mineral Wool Insulation Boards HD-M

Insulation boards in thermal conductivity group 040

<b>Areas of application</b>	Mineral insulation boards in the alsecco external wall insulation system ecomin.			
	Mineral Wool-Boards HD	Insulation boards for fixing by bonding and plugging.		
	Mineral Wool-Boards HD-M	Insulation boards with grooves for mechanical fixing using the rail system.		
<b>Product properties</b>	<ul style="list-style-type: none"> <li>■ Non-flammable</li> <li>■ Dimensionally stable, rendered water-repellent, non-rotting</li> <li>■ Quality controlled in accordance with DIN 18165</li> <li>■ High tensile strength</li> </ul>			
	<b>Technical data</b>	Building materials class	A to DIN 4102	
		Thermal conductivity	$\lambda_R$ : 0,040 W/(mK) to DIN 4108	
		Diffusion-equivalent air-layer thickness (60 mm)	$s_d$ : approx. 0,06 m to DIN 52615	
	Tensile strength at right angles to board	approx. 15 kN/m <sup>2</sup> to DIN 52274		
<b>Application instructions</b>	Substrate pre-treatment	Pre-treat substrates in accordance with the application guidelines for the adhesives.		
		Substrate	Treatment before bonding	Treatment before mechanical fixing
		Plasters MG PII, PIII, surface releasing sand	Sub Primer HT	None
		Knock off brittle, unsound plaster	Knock off plaster, clean with high-pressure water jet, if necessary level make level with plaster MG PII	knock off loose plaster, make good with plaster to produce a level coating
		Sound existing paint or coatings, non-chalking	Clean with high-pressure water jet	None
		Sound existing paint or coatings, chalking	Clean with high-pressure water jet, Sub Primer HT	None
		Unsound existing paint or coatings	Remove paint / coating, Sub Primer HT	None

**Application instructions****Application****Bonding**

- Depending on the substrate, use the spot-and-bead method to produce a bond using Thermastick MK or Armatop MP.
- If the substrate is very uneven, the adhesive may be applied using a notched trowel.
- Press the adhesive into the bevelled edges of the insulation boards.
- Install in a pattern with an offset of at least 20 cm, including in the corners of buildings.
- Push the insulation boards so that they abut.
- Keep the horizontal and vertical joints between the boards free from adhesive.
- Use strips of insulation material to close open joints between the insulation boards.
- Always provide additional plug fixing for Mineral Wool Insulation Boards HD and HD-M.

**Mechanical fixing**

- Spots of adhesive must be applied to ensure a 20 % bond for system weights < 30 kg, and a 40 % bond for system weights > 30 kg.
- Fix the insulation boards to the substrate using Profile H rails.
- Push the insulation boards so that they abut.

**Packaging****Article number  
Packaging unit****Mineral woolinsulation boards HD**

Art. no.	Format 625 x 800 x th [mm]	Number of boards per pack
15571	40	6
15572	50	4
15573	60	4
15574	80	3
15575	100	2

**Mineral woolinsulation boards HD-M**

Art. no.	Format 625 x 800 x th [mm]	Number of boards per pack
14567	d = 50	4
14568	60	4
15600	80	3

<b>Packaging</b>	Article number	Art. no.	Format 625 x 800 x th [mm]	Number of boards per pack
	Packaging unit	15601	100	2
<b>Other information</b>	Transport	Not a hazardous product		
	Storage	Dry, protected against moisture.		
	Information on safety	We will be pleased to provide the EC safety data sheet on request.		

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

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