

# Thermastick MK

Mineral-based adhesive for fixing insulation boards

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| <b>Areas of application</b>     | Bonding of ecomin-por, mineral wool, polystyrene and cork exterior wall insulation boards to mineral substrates.<br>Not suitable for bonding extruded polystyrene (e.g. Jackodur, Roofmate).<br>Not to be used as reinforcement compound. |  |
| <b>Product properties</b>       | <ul style="list-style-type: none"> <li>■ Highly water-vapour permeable</li> <li>■ High adhesive strength and green adhesion</li> <li>■ Good non-sag properties</li> <li>■ Economical as a result of machine application</li> </ul>        |  |
| <b>Technical data</b>           | Binder base   | Portland cement to DIN 1164<br>Redispersible synthetic-resin powder  |
|                                 | Apparent density of set mortar  | approx. 1,7 g/cm <sup>3</sup> to DIN 18555   |
|                                 | Adhesive pull strength  | On polystyrene:       ≥ 0,1 N/mm <sup>2</sup><br>On concrete:           approx. 1,0 N/mm <sup>2</sup>  |
| <b>Application instructions</b> | Preparation   | Use masking tape to cover window sills and mounted parts.  |
|                                 | Substrate pre-treatment   | <ul style="list-style-type: none"> <li>- All substrates must be sound, dry, even (DIN 18202 or 18203, as applicable), clean and free from adhesion-reducing residue.</li> <li>- Pre-treat highly absorbent substrates with Sub Primer HT.</li> </ul>   |
|                                 | Mixing  | 25 kg sack in approx. 5 l water<br>Mix using an electric stirrer or compulsory mixer.<br>Do not mix more material than can be applied in 2 hours.  |
|                                 | Application   | <ul style="list-style-type: none"> <li>- Before applying Thermastick MK, apply a coat over the adhesive area of the mineral wool boards.</li> <li>- Use the spot-and-bead or ridged-bed method for bonding.</li> <li>- Minimum bonding area: 40%</li> <li>- The areas where the insulation boards abut must remain free from adhesive.</li> <li>- Never use adhesive, only insulating strips or PU foam filler, to fill the joints between the insulation boards.</li> <li>- Arrange the insulation in an offset pattern and push close together so that they abut.</li> </ul> |

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| <b>Application instructions</b> | Application | <p><b>Spot-and-bead method</b></p> <ul style="list-style-type: none"> <li>- Apply a bead all round the edge of the board at an angle so that no adhesive is pressed into the horizontal or vertical joints when the boards are placed in position.</li> <li>- Apply 3 - 6 spots of adhesive for each 0.5 m<sup>2</sup> of insulation board.</li> <li>- Never fix the insulation boards in position using only spot-bonding.</li> </ul> <p><b>Ridged-bed method</b></p> <ul style="list-style-type: none"> <li>- Only apply to level substrates.</li> <li>- Immediately after the adhesive has been applied, place the insulation boards on top of the substrate and fix in position.</li> </ul> <p><b>Applying the adhesive by machine</b></p> <ul style="list-style-type: none"> <li>- Use a suitable mortar pump and adhesive applicator gun to apply the material to the back of the insulation boards.</li> <li>- When using Speed Wall lamella insulation boards, apply the adhesive directly to the wall. Comb the adhesive through with a notched trowel before applying the insulation boards.</li> <li>- Once the adhesive has been applied, place the insulation boards on top of the substrate and fix in position.</li> </ul> <p><b>Please note</b></p> <ul style="list-style-type: none"> <li>- Please note the product data sheet of the relevant insulating material if you deviate from the standard bonding procedure!</li> </ul> |
| Consumption                     |             | <p>Polystyrene: approx. 3,5 - 4,5 kg/m<sup>2</sup></p> <p>Mineral wool: approx. 4,0 - 5,0 kg/m<sup>2</sup></p> <p>Determine the exact amount of material required by coating a test area on site.</p>  |
| Information about the weather   |             | The temperature must not fall below + 3 °C during application and drying.  |
| Drying time                     |             | <p>approx. 1 - 3 days</p> <p>Dependent on temperature and relative humidity</p>  |
| Cleaning of tools               |             | With water while product is still fresh  |
| Application by machine          |             | Please ask for our special information sheet on machine application.   |

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| <b>Packaging</b> | Article number | 05009                                    |
|                  | Packaging unit | Paper sack 25 kg net<br>Silo: On request |
|                  | Colour         | Red                                      |

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| <b>Other information</b> | Transport             | Not a hazardous product   |
|                          | Storage               | Minimum storage life of 1 year if kept dry, protected against moisture, cool and in original sealed packaging.  |
|                          | Information on safety | R 36/38: Irritating to eyes and skin<br>S 2: Keep away from children<br>S 24: Avoid contact with the skin<br>S 26: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice<br>S 37: Wear suitable gloves |

We will be pleased to provide the EC safety data sheet on request.