

THERMASTICK MP
(DAMMKLEBER MP)

Architectural Façades

Adhesive Mortar for the ALSECCO External Wall Insulation Systems

Areas of application * To fix mineral fibre, polystyrene and cork external wall insulation boards in the ALSECCO external wall insulation systems ANB and AWK.

Properties * Weatherproof, water repellent, high water vapour permeability
* Excellent adhesive properties on almost all substrates
* Easy to work

Substrate treatment * All substrates must be stable, even, clean and free of residue which could reduce adhesion capability

* The individual substrates are to be treated as shown in table 1:

Substrate :	Treatment :
Mineral based substrates equivalent to new buildings	N/A
Render MP PII, PIII	
Render MG PII, PIII	Sub Primer HT
Stable, old paint or coating, not chalky	Clean using high pressure water jet
Stable, old paint or coating, chalky	Clean using high pressure water jet
Unstable, old paint or coating	Remove paint or coating, Sub Primer HT
Mineral fibre exterior insulation boards	N/A
Polystyrene exterior insulation boards new	If necessary, level out by grinding, remove grind dust

Polystyrene exterior Grind down the insulation boards, unstable surface already weathered areas, remove grind dust

Table 1

- Handling** * Mix one sack of Thermastick MP in approx. 5.5 l water using an electrical mixer or batch mixer.
- Adhesive Mortar** * Apply the mixed Thermastick MP to the back of the insulation board using the spot and bead method of application.
- * All insulation board edges and joints must be clean and free of Thermastick MP.
- * Mount the insulation board on the substrate immediately after applying the bonder and bed well.
- * **Minimum coat thickness in dry condition is 2 mm.**
- Professional tips** * The substrate must be level according to current Building Regulations.
- * Only prepare as much Thermastick MP as can be used within 2 hours.
- * Apply the Thermastick MP carefully and at an angle to the board edge so that when the boards are fitted, no Thermastick MP is pressed into the vertical or horizontal joints.
- * Apply at least 6 Thermastick MP spots equally to insulation boards larger than 0.5. m²
- * **Never fix insulation boards by spot bead glueing alone!**
- * Only use the tooth bed method on even substrates. Choose toothing so that at least 50% of the board is covered by the Thermastick MP.
- * Never fill already existing joints with Thermastick MP; use insulation material strips cut to the right size or use plastic foam.
- * The mineral fibre boards must be buttered in the bonding area before the Thermastick MP is applied.
- * Apply enough Thermastick MP to even out any level differences in the wall.

- * Suitable standard spray equipment can be used.
- * **Please ask for specific information on machine processing and application!**
- * Bond the boards and ensure that they are fitted tightly together.
- * Do not apply in direct sunshine. If windy, the setting time will be shorter.
- * Comprehensive notes can be taken from the leaflet "Technical Application Guidelines for External Wall Insulation Systems".

Reworking * Bonded insulation boards may not be mechanically fixed until the bonder has thoroughly dried. At least 24 hours must have passed before any rework or fixing can be carried out.

Cleaning tools * Clean with water immediately after use.

Working temperature * The temperature should not fall below +3EC during application and drying.

Drying time * Drying takes approx. 12 to 72 hours depending on temperature and relative air humidity.

Supply and usage:	Art. no.	Usage approx. (kg/m ²)	
	05001	Polystyrene Adhesive: 3.5 - 4.5	Mineral fibre Adhesive: 4.0 - 5.0

Table 2

- * We advise that the exact amount of material required should be calculated beforehand by completing a test area on the object and substrate in question.

Colour * Grey

Packaging * Paper sack 25 kg net.

Storage * If kept dry, protected from moisture and in the original, sealed packaging, the storage time is at least six months.

Transportation * Not classed as dangerous cargo.

Safety precautions * This product contains cement and lime and has a strong alkaline reaction to moisture and water. Avoid contact with skin and eyes. If there has been contact with the skin or eyes, rinse well with a lot of water. Consult your doctor immediately if the product has come into contact with eyes.

Technical Data * Binding material base: Portland cement in accordance with current Building Regulations, synthetic resin dispersion powder

* Dry density: 1.5 kg/cm³;

* Pull off value on polystyrene: $\geq 0.1\text{N/mm}^2$

* Young's modulus: 9300 N/mm²;

* Diffusion equivalent air layer depth (2.5 mm)
 $S = 0.01\text{m}$

* Capillary water absorption $w = 0.09\text{ kg/m}^2\text{h}^{1/2}$

* Compression strength: 20.0 N/mm²

* Bending tension strength: 7.5 N/mm²

* Shrinkage: 0.8 mm/m