



Product description

maxit eco 70 is a light, mineral bonding mortar for indoor and outdoor use based on slaked lime (calcium hydroxide), white ordinary Portland cement (WOPC) and special aggregates to improve adhesion. Mortar group P II according to DIN 18550, CS III according to DIN EN 998-1.

Product properties

- Water vapour permeable
- Optimised physical properties
- Easy application
- Class A construction material
- For indoor and outdoor use
- Excellent adhesion

Uses

maxit eco 70 is suitable for use as a bonding coat on all sound, low-absorbent or non-absorbent substrates and for renovation work.

Site requirements

Substrates must comply with the relevant standards and application guidelines of the manufacturers. Do not apply if ambient and/or surface temperature is below +5 °C or above +30 °C, or when night frost is expected.

Substrate preparation

Substrates should be clean, dry, stable and free from loose material. Always remove any film-forming release agents. Make sure old layers of plaster and paint are clean, dry and

load-bearing. Remove any soiling with a pressure washer. Check tensile bond strength of critical substrates. Cover or mask sensitive structural elements to protect from dirt and moisture. Protect exposed surfaces from rain. When working in direct sunlight, screen scaffolding with nets. Treat chalky or sandy surfaces with suitable maxit primer.

Application

Apply a spatterdash coat of bonding mortar to create a key (50 - 70 % coverage) and roughen the surface horizontally with a stiff brush.

Apply a full bed of bonding mortar to smooth, low- or non-absorbent substrates.

Coverage rates

| coat | mm | 2 | 3 | 4 | 5 |
|---------------------------|-------------------|------|-----|-----|-----|
| consumption | kg/m ² | 2.5 | 3.8 | 5.0 | 6.3 |
| Yield | m ² /t | 400 | 266 | 200 | 160 |
| | l/t | 800 | | | |
| m ² /30 kg bag | | 12.0 | 8.0 | 6.0 | 4.8 |

Subsequent treatment/Coating

Subsequent treatment:

Protect fresh plasterwork and rendering from frost and rapid drying.

maxit süd

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Coating:

Allow maxit eco 70 to dry for 1 to 3 days before coating with maxit eco 71 or 72. Note that lower temperatures and/or higher humidity may prolong the drying time.

General information

Contact us for technical support if you have questions regarding the application or building specifics. Do not mix with other materials. Observe the provisions stipulated in DIN 18550/DIN EN 998-1/EN 13914 and DIN 18350 VOB (German Construction Contract Procedures) Part C, DIN 18533 and our leaflet "Außenputz im Sockelbereich" (rendering plinth areas, available in German only). Mortar produces a strong alkaline reaction with water. Make sure eyes and skin are protected. If skin or eye contact occurs, wash affected area thoroughly with water. Seek immediate medical advice in case of eye contact.

Observe the material safety datasheet (for the current version, see www.maxit.de).

After hardening, the product presents no risk to health or the environment.

Storage

Shelf life is at least 12 months when stored on pallets in a dry place. For date of manufacture, see information printed on bag.

Disposal

Do not dispose of with household waste. Do not allow to enter drains. Recommendation: Dispose of in accordance with official regulations.

Silo and machine equipment

Can be mixed and applied manually or with any standard plastering/rendering machine or mixing pump.

Can be supplied in special silos (part of maxit transport and feeder system). SMP silo mixing pump or assembled SFA silo feeding system available on request.

Also available in 30 kg paper bags on pallets with 42 bags each = 1.260 t.

Legal notices

The information provided in this document is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This datasheet invalidates all previous datasheets.

| Technical specifications | |
|------------------------------------|---|
| Indoor application | Yes |
| Outdoor application | Yes |
| Reaction to fire | A 1, non-combustible |
| Compressive strength after 28 days | approx. ≥ 4 N/mm ² |
| Tensile bond strength, min. | ≥ 0.08 N/mm ² |
| Dry bulk density | approx. 1300 kg/m ³ |
| Application temperature | Do not apply at ambient and/or site temperatures below +5 °C or above +30 °C, or when night frost is expected. |
| Thermal conductivity | $\lambda_{10, tr, mat} \leq 0.82$ W/(m*K) for P=50% $\lambda_{10, tr, mat} \leq 0.89$ W/(m*K) for P=90% (tab. value based on EN 1745) |
| Water absorption | W0 |
| Water ratio | approx. 8.5 l per 30 kg bag |
| Water vapour permeability | approx. $\mu 6$ |