



Product description

maxit eco 73 is a mineral reinforcement mortar based on lime, cement, sifted sand, lightweight mineral aggregates, adhesion-promoting admixtures and special fibres.

Mortar group P II according to DIN 18550, CS III according to DIN EN 998-1.

Product properties

- Fine-grained
- Fibre-reinforced
- Light-coloured
- High yield

Uses

As reinforcement mortar for maxit eco 71 and 72 sprayable insulation.

Substrate preparation

Pretreat maxit eco 71/72 sprayable insulation with maxit prim eco 1170 Tiefengrund (penetrating primer) at least 12 hours before commencing any reinforcement work.

Application

Suitable for use with all standard rendering/ plastering machines, mixing pumps and the SMP silo mixing pump, e.g. m-tec M 3, Duo-mix, G 4, m-tec D 20 and paddle.

Apply a 4-5 mm thick coat of reinforcement mortar and insert mesh patches (arrows) around door and window reveals to reinforce the corners. Then embed maxit reinforcement mesh (8x8 mm) fully into the mortar and cover it with another coat of mortar to achieve a total thickness of 6

mm. Make sure the mesh is installed in the outer third of the reinforcement layer. Allow to dry for at least 2 days per 1 mm layer thickness before applying the finishing render/plaster.

Coverage rates

Reinforcement mortar: approx. 6-8 kg/m²

Test patches are recommended to determine the exact consumption rates.

Subsequent treatment/Coating

Subsequent treatment:

Protect fresh render/plasterwork from frost, rapid drying or exposure to extreme weather such as driving rain.

Coating:

Once hardened, apply any maxit mineral-based thin-coat finishing render/plaster. We recommend using the maxit Solarfarbe (solar paint) paint system.

General information

Contact us for technical support if you have any questions regarding the application, substrate or special design features. Do not mix with other materials.

Otherwise, the provisions of EN 13954, DIN 18550, DIN EN 998-1 and DIN 18350 (VOB, Part C German Construction Contract Procedures) apply. 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.

maxit süd

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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 the side of the bag.

Disposal

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

Logistics

Can be supplied in special silos (part of maxit SFA transport and feeder system). SMP silo mixing pump available on request. Also available in 20 kg paper sacks on pallets with 40 bags each.

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. ≥ 3.5 N/mm ² |
| Recommended coat thickness | approx. 6 mm |
| Yield | 900 l/t dry mortar |
| Fibres | Yes |
| Tensile bond strength, min. | ≥ 0.08 N/mm ² |
| Dry bulk density | approx. 1050 kg/m ³ |
| Application temperature | Do not apply at site or ambient temperatures below +5 °C or above +30 °C, or when night frost is expected. |
| Thermal conductivity | $\lambda_{10, \text{dry, mat}} < 0.39$ W/m*K $\lambda_R 0.43$ W/m*K |
| Water absorption | W2 |
| Water ratio | approx. 7l/bag |
| Water vapour permeability | $< \mu 20$ |

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