



Ekomalt S 4

Low elasticity modulus universal mortar

Product:

EKOMALT S 4 is a pre-mixed smoother mortar, cement binder compound, containing selected inert silicates in an appropriate grading curve. This mortar is reinforced by synthetic fibres that give high thixotropicity and anti-shrinkage qualities. Layers of 2 mm to 40 mm can be applied to all cement, lime-cement or brick supports.

Ekomalt S4 has an optimal workability.

Advantages:

- Thixotropic and compensates for shrinkage.
- Can be applied in layers of 2 mm to 4 cm.
- Low elasticity modulus which enables Ekomalt S4 to be applied to bricks or old plasters

Field of application

Re-building or smoothing parts of concrete, bricks or old and new plasters if stable and well anchored.

Suitable supports:

All types of bricks, concrete, mixes of building stones, cement blocks, plasters, cellular cement.

Product information data:

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| ▪ Containers | 25 kg bag |
| ▪ Appearance | grey cement powder |
| ▪ Granulometry | < 0.8 mm |
| ▪ Average consumption per cm of thickness | 18 kg / sq m |

Application:

Preparation of the supports:

The surfaces must be seasoned and accurately washed. Any loose parts, traces of oil, greases or old paint must be removed. The supports must be moistened in advance and treated using Fermalt if the spacing rods are exposed.

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Method of application:

Mix Ekomalt S4 with a drill mixer in about 4-5 l of clean water for every 25 kg bag until a smooth paste with a plastic texture is obtained. Moisten the supports to be treated in advance and apply the product using a stainless steel spatula.

The thickness for every application is from 2 mm to 4 cm.

When the product starts to set use the float to obtain a fine finish.

In case of high temperature, or high thickness in a single application, moisten the product for 24 hours following application.

Technical data:

▪ Adhesion to concrete after 28 days	> 2.2 MPa
▪ Compression resistance after 28 days	16 MPa
▪ Stiffness after 28 days	4.6 MPa
▪ Water in the mixture	18%
▪ Minimum total thickness	2 mm
▪ Maximum total thickness	4 cm
▪ Setting time	30-40 minutes
▪ Pot life	1 hour
▪ Usage temperature	+5° C/ +35° C
▪ Storage	12 months if kept in a dry place and original containers
▪ Equipment	trowel, float or stainless steel spatula

Please note:

Moisten the surfaces that must be treated

Do not apply the product on overheated surfaces or in presence of strong wind or bright sunshine.

Do not add extra water or cement to the mixed product.

For the first 6 hours protect the material applied from heavy rain or strong sunlight.

Do not apply on frozen supports or where there is a chance of intense cold within 24 hours of application

In case of high temperature or thick layers (4 cm) moisten the restored surface constantly for at least 24 hours following application.

All the above data relate to tests carried out in a controlled environment, and are therefore liable to change when the product is used.