Micromalt

Thick waterproofing mortar

The product:

MICROMALT is a pre-mixed mortar composed of cement binders, chemical additives and granulometrically selected inert silicates. Applied at least 5 mm thick it waterproofs and restores the regularity of surfaces exposed to water infiltration.

Advantages:

- Applicable on surfaces of both concrete and masonry of full and mixed brickwork without any prior anchoring rendering.
- There is no migration of water at interfaces.
- Simultaneous waterproofing and smoothing out of irregularities of between 5 and 20 mm.

Field of application:

Waterproofing of premises under ground level exposed to water infiltration in either positive or negative thrust.

Suitable supports:

Concrete, even if with irregularities, provided it is seasoned, consistent sand and cement plasters, full brick walls, tuff masonry, cement or mixed blocks.

Information data of the product:

▪ Container	25 kg sack
▪ Appearance	Grey cement powder
▪ Specific weight	1.8 kg/l
▪ Granulometry	0.8 mm
▪ Average consumption per cm thickness	18 kg/sq m

Application:

Preparation of the supports :

The surfaces have to be seasoned, continuous, thoroughly wetted and free of parts not perfectly anchored, weak or peeling off (pressure washing with water is advised). Areas where water is to pass should first be sealed with **MICROBLOC**, while areas with spacing rods, reinforcing metal near the surface or honeycombs should be passivated with **FERMALT** and rebuilt with **PROMALT** or **PRORIP**.

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Method of application:

Mix each 25 kg sack of **MICROMALT** with about 4.5 l of clean water in a cement mixer or with a drill mixer until a homogeneous, plastic mixture is obtained. Lay a light priming coat on the thoroughly wetted surface, followed by a layer at least 5 mm thick. When the product begins to set, finish the smoothing process with another layer of **MICROMALT** up to a total maximum thickness of 20 mm. Level off with a small sponge trowel.

Technical data:

▪ Adhesion to concrete after 28 days	2.1 MPa
▪ Water in the mixture	about 18%
▪ Minimum thickness for application	5 mm
▪ Maximum thickness for application	20 mm
▪ Pot life	µ 1 hour
▪ Resistance to counter-thrust with 10 mm thickness	µ 0.5 MPa
▪ Resistance to compression after 28 days	22 MPa
▪ Resistance to bending after 28 days	6.1 Mpa
▪ Usage temperature	+5°C / +35°C
▪ Storage	12 months (with container intact and in a dry place)
▪ Tools	Drill mixer, flat or large brush

Please note:

To avoid formation of condensation, it is suggested that at least 1.5 cm of transpiring **Macromur** plaster be applied on **MICROMALT** before it dries

Do not apply on overheated supports or in strong wind or bright sunlight

Do not apply on frozen supports or if there is a chance of frost within 24 hours of application

Protect from rain or strong sunlight for at least 24 hours after application

If it is planned to cover the surface with plaster, apply a rendering coat of sand, cement and **Microlat** on the **MICROMALT** before it dries (within 24 hours)

Do not apply on surfaces treated with paints, resins or bitumens

As an additive to **MICROFLOR**, use **Microlat** latex for applications concrete free of remains of molds.

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