Microter *esterno*

Osmotic penetration waterproofing cement product

The product:

MICROTER esterno is a pre-mixed product, composed of cement binders, chemical additives and micronising quartzes. Applied as a grout it creates a continuous layer on the support, with low thickness high waterproofing and mechanical resistance characteristics, so that it can be buried again with no further protection.

Advantages:

- Non-toxic.
- There is no migration of water at interfaces.
- Double waterproofing: surface and structural as a result of osmotic chemical process.
- Resistant to abrasion.
- Inorganic and so lasting over time.
- High resistance to positive thrust (4 atm).
- Resistant to contact with soil or water with medium aggression (pH 5-10).
- Resistant to root penetration.

Field of application:

Waterproofing of concrete structures which are intended to be buried in general.

Suitable supports:

Concrete, seasoned and stable cement plasters.

Information data of the product:

▪ Container	25 kg sack
▪ Appearance	Red cement powder
▪ Specific weight	1.7 kg/l
▪ Granulometry	µ 0.6 mm
▪ Average consumption for 2 layers	2 kg/sq m

Application:

Preparation of the supports :

The surfaces have to be free of oil, remains of moulds and non-consistent, crumbling or peeling parts. Spacing rods, honeycombs, pressure screws and castings should be removed in depth and the gaps and irregularities made up with anti-shrink fibre mortars (**PROMALT, PRORIP – Orsan)**. A triangular angle join should be made at horizontal and vertical corners, the sides being at least 10 cm, using high mechanical resistance fibre mortars (**PROMALT, PRORIP – Orsan)**.

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Method of application:

Thoroughly wet all the surfaces to be treated with water, taking care to repeat the operation if the support
is very absorbent or the temperature is very high. Mix each 25 kg sack of **MICROTER** with about 6 l of clean water until a mixture with the consistency of honey is obtained. Rest for about 10 minutes, then remix
briefly and apply **MICROTER** with a bricklayer's brush or hard brush in two cross coats. The second is applied over the first when setting starts (surface not sticky).

Technical data:

▪ Vapour resistance coefficient	μ 75
▪ Water in the mixture	about 25%
▪ Maximum thickness for application	2 mm
▪ pH	11
▪ Pot life	μ 1 hour
▪ Resistance to positive thrust	μ 0.4 MPa
▪ Resistance to compression after 28 days	16 MPa
▪ Adhesion to concrete after 28 days	1 MPa
▪ Usage temperature	+5°C / +35°C
▪ Storage	12 months (with container intact and in a dry place)
▪ Equipment	Drill mixer, flat or large brush

Please note:

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

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

Do not use as a substitute for sheathing rolls on roofs or terraces

As an additive to **MICROFLOR**, use **Microlat** latex for applications on smooth concrete.

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