

MALTA C A+B+C

Epoxy-cement mortar for floors (A+B+C)

Description

3 component product:

- Component A – Waterborne amine resin
- Component B – Epoxy resin
- Component C – Inorganic binder and inerts

By mixing these components, the polymerization reaction between the two resins is activated and at the same time the cement starts acting. In this way the best properties of the resins (adhesion to the substrate) and of the cement (hardening in presence of humidity and permeability to vapour) are shown.

Usages

Industrial floors.
Storages and commercial floors.
Restoring of already existing substrates.
Decorative floors for shops, offices, showrooms and houses.

Substrate

The substrate must have a minimum resistance to compression of 25 N/mm² and to traction of 1,5 N/mm².

Preparation of the substrate

- Concrete substrates have to be solid, leveled, absorbent, not polluted by oils, dust, cleaners, or any other substance. Choose the most convenient mechanical preparation, then apply one layer of **PAVIWATER T68**.
- Oily surfaces have to be deeply milled then apply one layer of **FLUIDEPOX** added with **Quarzo B0**; when still fresh seed **Quarzo B2** till saturation.
- Floors with tiles have to be grinded and then apply one layer of **FONDOFLEX**. When the tiles are not properly adhered, create a reinforcement with glass mat 100 gr/sqm with **FLUIDEPOX FLEX** or **ECOFONDO**. Remove those tiles not properly adhered and fill the holes with **COMPOUND 3K**.
- Substrates which do not give guaranty of stability can be reinforced with **FLUIDEPOX** (1 kg/sqm) and seed of **QUARZO B2** till covering (2 kg/sqm). In this case the transpirability of **COMPOUND 3K** is reduced.



Application

Put 2,8-3,0 kg of water in a container where the powders are (Part C). Mix carefully by using a drill mixer.

Prepare the mixture (A+B), by putting the part B in the container of part A; mix it with the drill mixer.

Put this mixture (A+B) in the container of the wet powders and mix the whole with a drill mixer.

Apply quickly by the American trowel: for a thickness of 2,5 mm the consumption is around 5 kg/sqm. For higher thickness use the notched trowel (it is also possible to add **QUARZO B4**).

Is possible apply this product like scratching with a consumption of 0,500 kg/m² for coat. Like scratching we advice to apply 2-3 coats. Finish superficially with 1 or 2 layers of **PAVIWATER**. When **COMPOUND 3K** have to be covered with mortar or non-transpirant coating wait a day time (with a temperature of 25°C) by each millimeter of the thickness, in order to be sure all the water has evaporated.

N.B.: **MALTA C** transparent can be colored by adding the 1,5% of **COLORPASTA W** on the totality of mixture A+B+C (higher concentration might cause leveling problems).

Technical Data

Color	Neutral or following RAL card
Density	1,80 +/- 0,1 g/ml
Solid content	86% in weight (part of the water is needed to humidify the cement)
Viscosity at 25°C	2.000 +/- 400 mPascal
Tack free time at 30°C and 50% U.R.	2-3 hours
at 25°C and 50% U.R.	3-5 hours
at 25°C and 50% U.R.	8-10 hours
Pot-life at 25°C and 50% U.R.	>16 minutes
Consumption	5,4 kg/mq for 3 mm of thickness 0,5 kg/mq like scratching
Ratio water/cement	0,47
Ratio in mixture	A=10 B=6,67 C=100
Flash point	Not applicable
Walk-on time at 25°C and 50% U.R.	18 hours
Application conditions	Temperatures between +5°C and +30°C
Solvent to clean the tools	Water
Storage	6 months, in a fresh and dry place, at a temperature between 5°C and 35°C for part C. 12 months for parts A and B

N.B.: the Technical Data here indicated are referred to the mixture of parts (A+B+C) diluted with water (2,8 kg for package of 21 kg A+B+C).

CAUTION:

Some colours from organic pigments (reds, blues, greens, dark yellows, ...) have the tendency of losing colour when abraded (either on dry or on humid). In such a case it is advisable to protect the colour with a layer of transparent top coating.