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Technical Sheet

MALTA C

Epoxy-cement mortar for floors

Uses

- Industrial floors.
- Storage and commercial floors
- Smoothing and repair of deteriorated floors.

Description

- This product has 3 components:
Component A - Waterborne amino resin
Component B - Epoxy resin.
Component C - Premixed based with cement and inerts
- After blending starts the reaction between two resin and the reaction of hydration of cement.
- This process permits to take advantage of the best qualities of the resin:
 - Adherence to the surface
 - Impact strengthand of the cement
 - Curing in presence of humidity
 - Vapour permeability

Preparation of the product :

- The concrete surfaces must be solid, levelled, absorbent and free from oil, dust or other substances.
- You should consider whether to treat the surface mechanically by abrasion, shot-peening or milling, then apply a coating of Paviwater T68.
- Oily surfaces must be cleaned deeply and treated with a mixture of FLUIDEPOX part A and INDURENTE RAPIDO 40% diluted 1/1 with SOLVENTE UNI .
- Paving tiles surfaces must be sanded by shot-peening and then a coat Paviwater T/68 must be applied. If the tiles are not firm a plastic covering reinforced with fibre glass with Paviwater T68 and Mat 300 must be applied.
Eventual loose tiles must be removed and the substrate can be repaired with MALTA C .
- Unsteady substrate can be consolidated with FLUIDEPOX (1 kg/sq.m); immediately after applying this product spread Quartz B2 on the entire surface (ca. 2 kg/sq.m). This treatment reduces the transpiration of the covering made with Malta C.

Application:

- Put into the powder (Part C) 2,6 kg of water. Mix carefully with a mixing drill.
- Prepare in another container the mixture of the components A+B, put part B in the container of part A; mix with a drill.
- Pour the mixture (A+B) into the bucket containing the powder already wet, mix and homogenize with the mixing drill. At this point it is possible to add other water about 200 gr each packet.
- Spread the product quickly with an American trowel. For a thickness of more than 2,5 mm (consumption 5 kg/sq.m) spread the product with a serrated trowel and uniform the surface with a spiked roller.
- Note: For thick layers quartz B4 or washed river sand may be added.
- Finish with 1 or 2 coats of Paviwater, for a coverage capacity of 0,150 - 0,250 kg/sq.m.
- Malta C must be covered with solvent-free epoxy mortars and is necessary to wait the curing time: 1 day for each mm. of thickness at 22°C.

TECHNICAL FEATURES:

(mixture of 3 components + water for dilution)

Colour:	White or according to the Ral card
Specific weight:	2,05+/-0,1 g/ml
Solid content:	85% in weight (Remember: part of the water is necessary to hydrate the cement)
Viscosity at 25°C:	2400+/-500 mPascal
Water/cement ratio:	0,46
Coverage capacity:	6,15 kg/sq.m per 3 mm thick
Components ratio A-B-C:	A= 6,7 B=4,4 C= 100
Flash point:	Non applicable
Resting time before spreading at 22°C:	2 minutes
Self-levelling at 22°C:	10 minutes at 25°C.
Tack free time:	2 - 3 hours (25°C - 50% U.R.)
Walk-on-time:	12 hours (25°C - 50% U.R.)
Application conditions:	Temperature between 5°C and 30°C.
Solvent to clean the tools:	Water
Storage:	6 months. Keep in a dry place at a temperature between 5°C and 35°C.