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Technical
Sheet

ECOPAVIPLAST

Waterborne mortar for floors

Uses

- Industrial floors.
- Floors of warehouse and commercial place
- Smooth and repair of deteriorated floors.

Description

- This product has 3 components:
Component A - Waterborne amino resin
Component B - Epoxy resin.
Component C - Premixed based on inorganic additive and inerts.
- After blending starts the reaction between two resin and the reaction of hydration of inorganic additive.
- This process permits to obtain the following characteristics :
 - Adherence to the surface
 - Impact strength
 - 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 or Promocol.
- Oily surfaces must be cleaned deeply and treated with a mixture of FLUIDEPOX A+B filled with quartz (0,04 - 0,25); immediately after applying this product spread Quartz B2 on the surface (ca.2Kg/sq.m).The same solution can be used to smooth defects of substrate caused during the grinding or to consolidate unsteady substrate.This treatment reduces the vapour permeability of the covering.
- 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 ECOPAVOPLAST filled with quartz (1 to 1 in weight).
- Eventual defects of substrate can be smoothed applying a layer of ECOPAVIPLAST before making the self-levelling covering.

Application:

- Prepare the mixture of the components A+B, put part B in the container of part A; mix with a drill.
- Add to the mixture (A+B) the powder (part C) and homogenize with mixing drill. To obtain a good dispersion is necessary to add the powder slowly and under blending.
- Spread the product quickly with an American trowel. For a thickness of more than 2 mm (consumption 4 kg/sq.m) spread the product with a serrated trowel and uniform the surface with a spiked roller.
- Finish with 1 or 2 coats of Paviwater, for a coverage capacity of 0,150 - 0,250 kg/sq.m.
- When Ecopaviplast must be covered with solvent-free epoxy mortars 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:	Grey 7038,Brown 8004,Green 6021 blue 5012
Specific weight (Rif. Ral 7038) :	1,85+/-0,1 g/ml
Solid content (Rif. Ral 7038) :	87,5% in weight
Viscosity at 25°C (Rif. Ral 7038) :	21000+/-4000 mPascal Spindle 3 rpm 5
Resting time before spreading at 25°C:	10'
Tack free time at 25°C and 50% U.R. :	3-4 hours
Compressive strenght (UNI 4270):	50 N/ mm 2 hardening 28 days at 25° C and 50% U.R.
Flexural strenght (UNI 7219):	20 N /mm2 hardening 28 days at 25° C and 50% U.R.
Coverage capacity:	5,5 kg/sq.m for 3 mm thickness
Components ratio A-B-C:	A= 28,5 B=17,2 C= 100
Flash point:	Non applicable
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.