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Technical Sheet

ECOFER AUTOLIVELLANTE

Epoxy mortar reinforced with post treated iron grains

Uses

- Industrial floors with strong wear.
- Floors of warehouse and commercial place with much traffic.

Description

- This product has 3 components:
Component A - Waterborne amino resin
Component B - Epoxy resin.
Component C - Premixed based on post-treated iron grains and inorganic additive.
- After hardening the covering has high wear resistance also for low thickness.
- The product crosslinks also in condition of high humidity and presents a good 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. 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 or MALTA C .

Application:

- Prepare the mixture of the components A+B, put part B in the container of part A; mix with a drill for 2 minutes.
- Add to the mixture (A+B) the powder (part C) and homogenize with mixing drill for 1 minute. To obtain a good dispersion is necessary to add the powder slowly and under blending.
- Spread quickly the product. For a thickness of more then 2 mm (consumption 5Kg/sq.m) apply by serrated trowel and uniforme the surface with spiked roller.
- Finish with 1 or 2 coats of PAVIWATER, for a consumption of 0,150-0,250 Kg/sq.m.
- When Ecofer 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:

Colour:	Grey like concrete or upon request for large amounts.
Specific weight (Rif. Ral 6021) :	2,9+/-0,1 g/ml
Solid content (Rif. Ral 6021) :	87,5% in weight
Viscosity at 25°C (Rif. Ral 6021) :	10000+/-1200 m Pascal Spindle 3 rpm 5
Pot-life at 25°C and 50 % U.R. :	10'
Tack free time at 25°C and 50% U.R. :	3,5-4,5 hours
Compressive strenght (UNI 4270):	65 N/ mm ² (550 Kg/cm ²) hardening 7 days at 25° C and 50% U.R.
Flexural strenght (UNI 7219):	30 N /mm ² (250 Kg/cm ²) hardening 7 days at 25° C and 50% U.R.
Coverage capacity:	5,5kg/sq.m for every layer
Components ratio A-B-C:	A= 45 B=30 C= 150
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 for C part and 12 months for A and B parts . Keep in a dry place at temperature between 5°C and 35°C.