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UNEPOX SLC 3K
Solventfree Epoxy Conductive Selflevelling Screed

Ref. No: UTD-0130
Issue Date:01.01.2004
Revision Date:12.03.2024
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Product characteristics
Three component solventfree conductive epoxy self levelling. UNEPOX SLC 3K is consists of 100% solids epoxy resin filled with a variety of graded quartz, silica and Graphen Nano Tubes that can be modified to create the best design mix for ideal performance. A wide selection of finish coats is available for varying exposure requirements.

Product use
These systems are the answer for both new construction and renovated areas that required to electrical conductivity, and can be installed over most sound floors.

Uses areas
Processing, electrical equipments rooms, electronic production industry, high voltage rooms, TV studios, Computer rooms, hospitals.

Product properties
UNEPOX SLC 3K when cured, produces a dense, non porous floor that is chemical and dirt resistant. UNEPOX SLC 3K is a seamless, low maintenance system exhibiting high wear and durability for light to medium traffic areas. UNEPOX SLC 3K may be sealed with a top coat to further enhance abrasion resistance, gloss retention, and non skid properties.

Color Selection
UNEPOX SLC 3K is available in limited of RAL Colour Chart.
Custom colors are available subject to laboratory approvals, minimum quantities, lead time for production, and increased cost.BOYTEM' TECH SERVICE DEPARTMENT are ready to assist.

Technical data

BASIC DATA (for mixed product at 20 ˚C)	
Mass density	Approx. 1,63 g/cm³
Solids content	approx. 99,9 % by volume
Touch after dry	12 hours
Overcoating interval	Min.24 hours, Max.48 hours
Full cure after	7 days
Electrical conductivity	10E5-7 Ω (DIN 51953)
Corrosion resistance	156 (at loss mg/100 cycles)
Fiction Coefficient	0,24
Compression resistance)	52,2 (28 days) (N/mm2
Tensile Strength	13,9 (28 days) (N/mm2)
Streching Resistance	22,1 (28 days) (N/mm2)

Curing Time:
48 hours after application of seal coat for light traffic.
7 days after application of seal coat for heavy traffic.

Chemical Resistance:
For specific information, consult BOYTEM' TECH SERVICE DEPARTMENT for best choice.

Theoretical spreading rate
1m2 / 3,2 kg for 2 mm average dry coating thickness

Surface Preparation
Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared. Work must be performed by trained or experienced contractors or maintenance personnel. The BOYTEM service department is pleased to answer any questions.Specific attention should be paid to the following:

- Concrete placement
- Curing and finishing techniques of the concrete substrate
- Age of concrete
- Previous contamination of the substrate
- Present condition of the substrate

Also, the temperature and humidity conditions of the area to receive the flooring system should be checked. An optimum room temperature of 20 °C with a minimum slab tem-perature of 10 °C is required for proper cure of the resin flooring system.

Considerations:
Substrate must be above 10 °C during application.
Substrate must be free of hydrostatic pressure, moisture transmission, paint, curing agents, and other foreign materials.

Installation Procedure:

BOYTEM recommends that every flooring system be installed with a primer to insure maximum adhesion to the prepared substrate. Priming will also help to seal air in the concrete and prevent outgassing and air bubbling in the finished system. See the UNEPOX PRIMER CWB TDS for more installation procedures.

Priming
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First Coat: Unepox Primer CWB Water Based Conductive Primer

Mixing Unepox Primer CWB Water Based Conductive Primer
- Stir each component prior to mixing.
- Mix Three (3) parts by weight of Part A (Base) with one (1) part by weight of Part B (Hardener) for three minutes with a low speed electric drill mixing paddle.
- Mix only that amount of material that can be used in 30-40 minutes.

Note: Use a slow speed drill to mix Unepox Primer CWB Water Based Epoxy Conductive Primer.

Application
- Immediately pour portion of mixed material onto floor in a strip and spread at a rate of 80-90 m2 per 25 kg mixing.
- Apply by rubber sqwueege
- Back roll with a short nap roller.

Cupper Sheet Installation
After Conductive Primer dried completely, each 10 sqm fix the Self adhesive Cupper sheets on surface.

Finish Conductive Selflevelling Screed: Conductive Flooring Installation Mixing Procedure

- Stir each component prior to mixing.
- Mixing Ratio: Part A 50 %, Part B 15 %, Part C 35 %
- Mix only that amount of material that can be used in 30-40 minutes.
- Use a slow speed drill to mix UNEPOX SLC 3K.
- Immediately pour portion of mixed material onto floor in a strip and spread at a rate of 8-10 m2 per 25 kg mixing.
- Apply by V notch steel trowel
- Use spike roll to release the air bubbles
- Do not back roll or use a spiny roller.
- Allow floor to cure overnight or a minimum of 24 to 36 hours.

Packaging
25 kg in metal cans (A+B+C Components)

Storage
The product is stored in sealed containers placed at indoor dry warehousing premises within the temperature range from 10˚C to 35˚C. Shelf life (warranty) is 12 months from the production date in cool and dry place

Clean-Up
All tools and equipment should be cleaned before materials gel. Use Special Thinner UP-002

Safety related data
- A Component contains epoxy resin.
- B Component contains alkaline amines; strong sensitizer.
- May cause skin sensitization or other allergic responses.
- Use with good ventilation, particularly if material is heated or sprayed.
- Prevent all contact with eyes or skin.
- Wear protective clothing, goggles, gloves, and/or barrier creams.
- Keep container closed when not in use. Wash thoroughly after handling.

Note
The statements made on this technical sheet are believed to be true and accurate, and are intended to provide a guide for approved construction practices. UNİCA does not make, nor does it authorize any agent or representative to make any warranty, express or implied, concerning this material as workmanship, weather, construction, equipment utilized and other variables affecting results are all beyond our control. UNİCA warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. In no event shall UNİCA be liable for any injury, loss or damage, either direct or incidental, special or consequential, however arising, in connection with material or work performed. UNİCA shall not, in any manner, be liable for any defects, variations or change in condition in the substructure over which its products are installed.