

## UNEPOX SL WB 3K Water Based Epoxy Selflevelling Screed

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#### PRODUCT CHARACTERISTICS

Three component water based epoxy self levelling. 100% solids epoxy and aggregates producing a fluid, self-leveling mixture that can be spread with a V-notched squeegee or trowel.

#### PRODUCT USE

These systems are the answer for both new construction and renovated areas, and can be installed over most sound floors.

#### USES AREAS

Animal Areas - Housing Cage Washing, Beverage –Outdoor car parks,- Processing, Packaging/Warehousing ,Bottling ,Clean Rooms, Coolers ,Correctional Facilities , Decks/Ramps, Dairies, Distilleries – Packaging, Food Processing, Food Preparation and Service, Laboratories, Laundries, Locker Rooms, Machine Shops Manufacturing, Mechanical Equipment Rooms, Pharmaceutical Plants, Pulp and Paper Processing Facilities, Showers, Utilities, Warehouses, Waste Water Treatment Facilities

#### PRODUCT PROPERTIES

- UNEPOX SL WB 3K when cured, produces a dense, non-porous floor that is chemical and dirt resistant.
- UNEPOX SL WB 3K is a seamless, low maintenance system exhibiting high wear and durability for light to medium traffic areas.
- UNEPOX SL WB 3K may be sealed with a top coat to further enhance abrasion resistance, gloss retention, and non-skid properties.
- UNEPOX SL WB 3K is a broadcast system of selected aggregates. The slurry system is a seamless, low maintenance system exhibiting high wear, durability, and impact resistance for medium traffic areas. To fill in pores and secure the aggregate, a second epoxy coating is applied producing a textured, skid resistant floor.

#### COLOR SELECTION

UNEPOX SL WB 3K is available in a variety 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 (for mixed product at 23 °C)

Mass density	Approx. 1,60 g/cm <sup>3</sup>
Solids content	Approx. 76 % by volume
Touch after dry	12 h
Overcoating interval	Min.24 hours, Max.48 hours
Full cure after	7 days
Curing Time	16-24 hours after application for light traffic. 36-48 hours after application for heavy traffic
Theoretical spreading rate	1m <sup>2</sup> /3,2 kg for 2 mm average dry coating thickness

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### CHEMICAL RESISTANCE

For specific information, consult BOYTEM' TECH SERVICE DEPARTMENT

### MIXING PROCEDURE

- Stir each component prior to mixing.
- Mix two (50) parts by weight of Part A (Base) with one (15) part by weight of Part B (Hardener) for three minutes with a low speed electric drill mixing paddle. Then add the quartz agregata to this mixing A+B.
- Mix only that amount of material that can be used in 30-40 minutes. Note: Use a slow speed drill to mix UNEPOX SL WB 3K

### 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 temperature 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.

### APPLICATION 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.

- Immediately pour portion of mixed material onto floor in a strip and spread at a rate of 6-7 m<sup>2</sup> per 25 kg mixing.
- Apply as a flow coat with a conventional cement finishing trowel.
- Trowel or spread material in one direction only to achieve a smooth flow coat of material approximately 2 or 3 mm thick.

Note: Termination points at the end of the day should be made at doorways, expansion joints, etc. If it is not possible to terminate at these points, 5 cm masking tape should be placed in a straight line at the ending point. Carefully trowel the material up to and slightly over the inside edge of the tape. Allow material to cure for about thirty (30) minutes and remove the tape.

- Do not back roll or use a spiny roller.
- Allow floor to cure overnight or a minimum of 8 to 10 hours.

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**PACKAGE**

13,75 KG A(Resin) +2,5 KG B(Hardener) +8,750 KG C(Filler)

**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.

**CLEANING**

All tools and equipment must be cleaned before the materials gel. Use tap water for cleaning

**SECURITY RELATED DATA**

- Component A contains epoxy resin, Component B contains alkaline amines.
- May cause skin sensitization or other allergic reactions.
- Ventilation is necessary, especially when the material is heated.
- Necessary precautions should be taken to prevent any contact with eyes or skin.
- Wear protective clothing, goggles, gloves and a mask and/or use protective creams.
- Keep containers closed when not in use.
- Wash hands and equipment thoroughly after use.

**Note**

The explanations made in this technical page are made according to the test evaluations and results of the product according to the relevant standards, and it is aimed to provide a guide to the practitioners. As workmanship, weather conditions, construction, equipment used and other variables that affect results are completely beyond our control, UNICA does not give any express or implied warranty regarding this material. UNICA only warrants that the material complies with the product specifications, and the sole responsibility of the buyer or user of this product is limited to the replacement value of the product against manufacturing defects. In no event shall UNICA be liable for any direct or incidental, special or consequential injury, loss or damage in connection with the material or work performed. UNICA is in no way responsible for any defect, change or condition change in the infrastructure where its products are applied.