

UNEPOX TX 2K

Solventfree Epoxy Textured Coating 2K

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Description

UNEPOX TX 2K is composed of 100% solids epoxy resin filled with fine graded quartz 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 consist of 100% solids epoxy and cycloaliphaticpolyamine based, can be spread with a V-notched squeegee then by coral roller. These systems are the answer for both new construction and renovated areas.

Primary Uses

Activity Centers,Aircraft Hangars, Airports - Baggage/Service, Animal Areas, Housing Cage Washing, Beverage Processing, Packaging/Warehousing, Bottling, Cafeterias Chemical Processing, Clean Rooms, Coolers, Correctional Facilities, Corridors, Decks/Ramps, Dairies, Distilleries Packaging, Food Processing, Food Preparation and Service, Garages 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 Characteristics

UNEPOX TX 2K when cured, produces a dense, non-porous floor that is chemical and dirt resistant. UNEPOX TX 2K is a seamless, low maintenance system exhibiting high wear and durability for light to medium traffic areas. UNEPOX TX 2K may be sealed with a top coat to further enhance abrasion resistance, gloss retention, and non-skid properties.

UNEPOX TX 2K is a broadcast system of selected aggregates. The slurry system is a seam- less, low maintenance system exhibiting high wear, durability, and impact resistance for medium traffic areas.

Color Selection

UNEPOX TX 2K 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.

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Technical data

BASIC DATA (for mixed product at 20 C)

Mass density	approx. 1,52 g/cm ³
Solids content	approx. 99,5 % by volume
Touch after dry	4-6 hours
Overcoating interval	Min.24 hours Max.48 hours
Full cure after	7 days
Curing Time	24-36 hours
Physical Data	
Electrical Conductivity	~10 ¹² Ohm
Tensile Strength	40 N/mm ²
Compression Strength	70 N/ mm ²
Theoretical spreading rate	1m ² / 0,700 kg for 1 mm average dry coating thickness

Mixing Procedure

- Mixing Ratio :by weight base to hardener and extended: 85:15
- Stir each component prior to mixing.
- Mix two (85) 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 mixer (200-300 rpm) .
- Mix only that amount of material that can be used in 30-40 minutes. Note: Use a slow speed drill to mix UNEPOX TX 2K.

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 UNICA 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.
- Urethane finish coats are recommended for areas exposed to intense sunlight.

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Application Procedure

UNİCA recommends that every flooring system be installed with a suitable 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 2K/UNEPOX PRIMER 128-05 2K TDS for more installation procedure.

- Immediately pour portion of mixed material onto floor in a strip and spread at a rate of 15-18 m² per 20 kg mixing to get 0,8-1 mm nominal thickness. 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 1 mm thick.

After 10-15 min of application, surface must be backed on with a coral roller to give the requested texture.

- Allow floor to cure overnight or a minimum of 12 to 16 hours.

Packaging

A Components 17 kg in metal cans, B Components 3 kg in metal cans.

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 Xylene solvent.

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.