UNEPOX TX10 2K

Textured Epoxy Floor Coating

Description

UNEPOX TX10 2K is a solvent-free epoxy-based textured material, serving as a non-slip floor coating.

Applications

- Hangars
- Logistics and storage units
- Wet floors
- Factory floors exposed to moderate and light traffic

Advantages

- High crack resistance, flexibility.
- Aesthetic color options.
- Easy application on concrete substrates.
- Excellent mechanical resistance.
- High adhesive strength and flame resistance.

System Components

UNEPOX 128-05 2K	Solvent-Free Epoxy Primer
Silica Sand (0.1-0.3 mm)	Filler
UNEPOX HB 2K	Solvent-Free Epoxy Paint/Sealer
UNEPOX TX 2K	Solvent-Free Epoxy Topcoat Texture
PLK TOPCOAT 2K Optional	UV-Resistant Aliphatic Polyurethane Topcoat (Glossy or Semi-Matte)

Consumptions

PRODUCTS	PACKAGING	CONSUMPTIONS	COLOUR
UNEPOX 128-05 2K Primer	13,5 kg A + 6,5 kg B	0,300 kg/m2	Amber
Silica Sand 0,1-0,3 mm	25 kg	0,400-0,750 kg/m2	-
UNEPOX HB 2K Unercoat/Sealer	17 kg A + 3 kg B	0,300-0,400 kg/m2	Grey/Concrete Green
UNEPOX TX 2K Textured Topcoat	15,4 kg A + 4,6 kg B	0,600-0,700 kg/m2	RAL
PLK TOPCOAT 2K OPOptional	15,4 kg A + 4,6 kg B	0,150 kg/m2	RAL

*Total Thickness ~1,5 mm

Surface Preparation
The concrete surface should be dry, clean, and have a strength of 25N/mm². The surface must be free from all dust, oil, and cement residues, and the surface to be treated should be dry with a relative humidity of 75% according to BS8204.

Application
Priming
UNEPOX 128-05 2K Solvent-free epoxy-based primer is applied to the concrete surface with a consumption rate of 3-4 m2/kg using a roller or rubber squeegee. Consumption may vary based on the absorbency of the surface.
0.1-0.3 mm silica sand is sprinkled over the wet surface, and after 12-16 hours, any excess sand that does not adhere is removed from the surface by vacuuming or sweeping.
If a second coat is needed, it can be applied using the same method 6-8 hours after the first coat has dried.
Intermediary Coat
UNEPOX HB 2K intermediary coat/sealer is prepared by mixing Component A first with a high-speed mechanical mixer (300-400 rpm), then Component B is added and mixed for approximately 3 minutes until ready for application. The most crucial point here is ensuring thorough mixing until both components form a homogeneous mixture. Failure to mix properly can lead to non-drying areas on the floor. The product is applied using a short-haired roller.

Topcoat Application
UNEPOX TX 2K is prepared by first mixing Component A with a high-speed mechanical mixer (300-400 rpm), then Component B is added and mixed for about 3 minutes until ready for application. It is crucial to mix both components thoroughly until a homogeneous mixture is achieved. Failure to mix properly can lead to non-drying areas on the floor, resulting in faulty application. The product is applied using a steel marley trowel, and a coral roller is used to give the product its desired texture.
Drying time (at 25°C and 50% relative humidity) is between 16-24 hours. This time may vary depending on temperature.

Cleaning
All tools should be cleaned with UP 002 Thinner, and hands should be washed only with mild soap and plenty of water.

Maintenance
Our UNİCA SFC Industrial Surface Cleaner is specially formulated to clean the applied system without damaging the floor. For detailed information about the product, please contact UNİCA's technical/sales department.

Repair
In areas where repair is necessary, damaged sections should be removed, and repairs should be carried out following the steps described above.

Limitations

• The L'UNICFLOOR TX10 Epoxy Conductive Coating system should be applied by experienced application teams.
• The application temperature range should be between 15°C-32°C.
• Drying and curing time will be slower at low temperatures and faster at high temperatures.
• The maximum relative humidity during application is approximately 85%.
• The surface temperature should be above the dew point of <3°C.
• The moisture content in the concrete floor should be <6% by weight.
• The presence of moisture on the floor during application may result in the risk of bubble formation on the surface.
• New concrete should cure for a minimum of 21-28 days.
• Before application, the surface should be cleaned of all dust, dirt, oil, and cement residues.
• If there is a risk of rain within 10-16 hours, you can continue the application. If the surface has been affected by rain, wait for the surface to dry completely before application.
• Depressions, cracks, holes, and damaged areas on the surface must be repaired and improved before application. Nevertheless, surface irregularities may appear more noticeable over the applied system due to the uneven surface structure of the concrete. This is not considered a product or application error.
• If there is a previous coating on the floor, a test application should be conducted at a suitable location on the floor to assess adhesion and other compatibility risks before starting the application.
• Products can deteriorate if exposed to open air and sunlight in their packaging. Therefore, they must be stored in their original sealed packaging in closed and cool storage areas.
• Mix the products with low-speed electric mixers. To eliminate the risk of inadequate mixing, transfer the mixed product to another empty container and remix if necessary.
• Do not add any solvent other than the one recommended by UNİCA.
• The consumption rates specified in this Application document are determined under ideal floor conditions. Please consult UNİCA's Technical Department for applications of different thicknesses.
• L'UNICFLOOR TX10 is not UV resistant; hence, it is recommended for indoor use.
• Stains may occur from prolonged exposure of the floor to chemicals such as hydraulic oil, petrol, diesel, antifreeze, immediate cleaning of the floor from these chemicals should be carried out upon contact.

Health and Safety Information

Refer to the material safety documents of the relevant products for safe usage and disposal of products.

NOTE

The explanations made on this technical page are based on test evaluations and results of the product according to relevant standards and are intended to provide guidance to applicators. Since labor, weather conditions, construction, equipment used, and other variables affecting the results are entirely beyond our control, UNICA does not provide any explicit or implied warranties regarding this material. UNICA only guarantees that the material complies with the product specifications, and its sole responsibility to the buyer or user of this product is limited to the replacement value of the product in case of manufacturing defects. In no event shall UNICA be liable for any direct or incidental, special, or consequential injury, loss, or damage arising directly or indirectly from the material or work performed. UNICA is not responsible for any defects, alterations, or changes in the substrate on which the products are applied.