UNEPOX HB 100/250
Non-Slip Solvent-Free Epoxy Coating

Product Description
UNEPOX HB 100/250 is a two-component solvent-free epoxy resin-based coating with a hardener of cycloaliphatic polyamine. It creates a seamless and textured surface suitable for use on parking ramps, wet floors, and any floors requiring slip resistance. UNEPOX HB 100 produces a fine texture, while UNEPOX HB 250 creates a thicker texture.

Areas of Application
- Parking ramps
- Wet floors
- Production areas requiring slip resistance
- Pool surroundings

Product Features and Benefits
- Extremely easy to apply, does not require extra quartz or silica sand for texture.
- Provides a highly homogeneous texture.
- Chemically resistant and slip-resistant.
- Saves on labor and time as it does not require silica sand or quartz.
- Can be repainted if needed without affecting the texture.

SYSTEM and CONSUMPTIONS

Products	Description	Consumptions	Colour
UNEPOX PRIMER 2K	Epoxy Concrete Primer	0,150 kg/m2	Amber
UNEPOX 128-05 SF 2K	Solventfree Epoxy Primer	0,200 kg/m2	Amber
UNEPOX HB 100/250 2K	Solventfree Anti Slip Epoxy	0,600-0,800 kg/m2	RAL

SCOPE
This document covers the application procedure for the UNEPOX HB 100/250 Non-Slip Solvent-Free Epoxy Coating system from L'UNICFLOOR Coating Systems.
This system consists of two separate products, depending on the condition of the application infrastructure: UNEPOX PRIMER 2K (Solvent-Borne Epoxy Concrete Primer) or UNEPOX 128-05 2K (Solvent-Free Epoxy Concrete Primer), which can be applied with a roller or rubber squeegee, and finally UNEPOX HB-100/250 (Non-Slip Solvent-Free Epoxy Coating) that can also be applied with a roller.

Surface Preparation

- The concrete base must be fully set, clean, dry, smooth, and sound. Additionally, the surface must be free from any substances such as oil, dust, concrete residues that could affect adhesion.
- Localized damages, cracks, joints, and depressions on the surface should be repaired with UNEPOX COMPOUND ST 2K (Epoxy Putty).
- Do not start applying L'UNICFLOOR flooring systems without meeting the above-mentioned surface preparation procedures and conditions.

Primer Application

If the concrete floor is dry and smooth, it is recommended to apply UNEPOX PRIMER 2K before applying UNEPOX 128-05 2K. This product is a two-component solvent-based concrete primer. Depending on the absorbency of the concrete surface, it is applied to the floor with a roller at a consumption rate of 0.150-0.200 kg/m2.

If the concrete floor is porous and absorbent, UNEPOX 128-05 2K can be applied directly to the concrete surface. After mixing the two-component solvent-free primer, it is poured onto the floor and spread with a roller or squeegee. The theoretical consumption is approximately 0.300 kg/m2.

If the concrete base has inadequate moisture barrier properties, then using AQ Primer 2K as a primer is suitable. The product can be mixed and applied to the floor with a squeegee or roller. The theoretical consumption is around 0.300-0.400 kg/m2.

UNEPOX HB 100/250 Application

After 24 hours of the primer application, UNEPOX HB 100/250 is mixed with a low-speed mixer for 2-3 minutes until a homogeneous mixture is achieved. Ideally, this mixture should be poured into another clean container and mixed for an additional 1-2 minutes.
As the product is solvent-free and has a short application life, it is first poured along a line on the floor and then spread thinly on the surface with a short-haired roller. The application will start creating a textured, sandy appearance. It is important to apply the product in thin layers.

Preferably, the product is applied in two coats, with a total consumption rate of 0.600-0.800 kg/m2 depending on the surface area.

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 SLE20 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 SLE20 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.