

UNEPOX MIOX PRIMER/TOPCOAT 2K

Solvented Micaceous Ironoxide Epoxy Primer/Topcoat

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Unepox Miox Primer/Topcoat 2K is a polyamide hardener, solvent-based epoxy-based glossy protective topcoat paint containing micaceous iron oxide pigment. It is used to protect concrete, cement plaster and metal surfaces from atmospheric, chemical and mechanical effects.

Advantages

- It has high chemical and mechanical resistance.
- Can be used as undercoat or topcoat.
- Extremely hard and wear resistant.
- It can be applied with a roller, brush or spray.
- Forms a glossy, hard film.
- Resistant to high humidity, marine environment, tropical climate and high temperatures.
- Non-toxic when cured.
- Due to its layered pigment structure, the film is UV resistant and does not tend to chalk.

Product use

- Refineries, Petrochemical facilities
- Metal bridges, Pipelines
- Power plants, Fertilizer plants
- Railway wagons, passenger buses
- Waste water treatment plants
- Pharmaceutical industry, hospitals
- Storage tanks
- Offshore platforms, offshore installations.
- In the protection of all kinds of metal parts and apparatus against corrosion

Color: Metallic gray

Basic Data (@20°C)

Specific Gravity	(approx.) 1.25gr/cm ³
Solids (% by weight)	57
Viscosity	900 cP
Gel Time	6-8 h
Theoretical Consumption	0.180 kg/m ² (1 Layer) at 40 micron dry film thickness
Interval Time	16 hours
Touch Dry After	2-4 hours
Full Dry	16-24 hours
Full Cure	7 days

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Surface Preparation

New concrete and cement plaster need to cure for at least 21 days. After the mortar residue on the cured surface is removed by light sanding or brushing, the selected primer is applied. Loose particles such as old paint, dirt, dust on the old concrete and cement plaster surface are removed by sandblasting, scraping and brushing. Oil and grease residues are cleaned with detergent and water. If neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water. Before applying the chosen primer, care should be taken to ensure that the floor is completely dry. Iron and Steel should be sandblasted or mechanically cleaned in accordance with the Saz 1/2 or St3 Photo norms of Swedish Standard SIS 055900-1967. It should be covered with the selected primer paint within four hours following this process. Painting of prepared surfaces should never be left to the next day. If it is necessary to delay the application, the surface should be sandblasted and cleaned again before priming. If the product is to be applied as a topcoat, UNEPOX ZP PRIMER 2K -Epoxy Zincphosphate Primer- or UNEPOX ZRP 2K-Zinc Rich Epoxy Primer- should be applied to the metal surfaces that will be submerged. If the metal parts are not underwater, UNEPOX ZC PRIMER 2K-Zincochromate Epoxy Primer is sufficient. On other metals and alloys, aluminum and galvanized surfaces, a coat of UNEPOX WP (Wash Primer) should be applied after the surface is cleaned with a special cleaner.

Application procedure

- The two components can be mixed and applied as a primer/topcoat on the surface with a roller, brush or spray gun.

The mixing ratios are as follows;

UNEPOX MIOX PRIMER/TOPCOAT A Component 14.4 kg
UNEPOX MIOX PRIMER/TOPCOAT B Component 5.6 kg

CONSUMPTION

Theoretical consumption: 0.180 kg/m² per layer (Depending on surface permeability and porosity) Do not apply the material at air temperatures below 14°C or above 35°C.

Important note

Consumption may vary according to surface porosity, ambient temperature and application technique.

Packaging

14.4 kg Base + 5.6 kg Hardener in tin cans.

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Storage conditions

The product should be stored in its original unopened packaging, in a temperature range between 15°C and 35°C, in closed and dry storage areas. Shelf life (warranty) is 12 months from the date of manufacture in a cool and dry place. Do not expose the products to the sun outdoors. Protect from freezing in cold weather.

Security and Related Data

UNEPOX MIOX PRIMER/TOPCOAT 2K is non-hazardous when cured and contains no formaldehyde, asbestos, mercury, lead or chromate and derivatives. For detailed information on safe transportation, occupational health and safety, please refer to the relevant product safety data sheet (MSDS).

Note

The statements provided in this technical document are believed to be factual and precise, serving as a reference for approved construction methodologies. UNİCA neither offers nor authorizes any agent or representative to provide any warranty, whether explicit or implied, regarding this material, as variables such as workmanship, weather conditions, construction practices, and equipment used are beyond our control. UNİCA solely guarantees that the material adheres to the product specifications, and any responsibility towards the buyer or user of this product is restricted to the replacement value of the product exclusively. Under no circumstances shall UNİCA be accountable for any injury, loss, or damage, whether direct or incidental, special or consequential, arising in connection with the material or work carried out. UNİCA disclaims any liability for defects, variations, or changes in the condition of the underlying structure on which its products are installed.