L'UNICFLOOR · EPOXY PRIMERS & TOPCOATS

Unepox MIOX Primer / Topcoat 2K

Solvent-based micaceous iron oxide epoxy primer / topcoat

COLOUR
Metallic grey
glossy, hard film

1.25 g/cm³	57 %	6–8 h	2–4 h	0.180 kg/m²
Specific gravity	Solids (by weight)	Gel time	Touch dry	Per layer · 40 µm DFT

Product description

UNEPOX MIOX PRIMER/TOPCOAT 2K is a polyamide-cured, solvent-based, glossy epoxy protective coating containing micaceous iron oxide pigment. It protects concrete, cement plaster and metal surfaces against atmospheric, chemical and mechanical effects.

Product use

- Refineries and petrochemical facilities
- Metal bridges and pipelines
- Power and fertiliser plants
- Railway wagons and buses
- Waste-water plants, pharmaceutical industry, hospitals
- Storage tanks and offshore installations

Advantages

- High chemical and mechanical resistance
- Extremely hard and wear resistant
- Resists humidity, marine and tropical climates
- Non-toxic when cured
- Undercoat or topcoat
- Roller, brush or spray
- Lamellar pigment – UV resistant, no chalking

Position in the system

MIOX primer / topcoat — THIS PRODUCT
UNEPOX MIOX PRIMER/TOPCOAT 2K · 40 µm DFT

Primer (metal)
UNEPOX ZP / ZRP / ZC PRIMER 2K · UNEPOX WP

Substrate
Steel Sa 2½ / St 3 · concrete · plaster

L'unicfloor anticorrosive systems

Micaceous iron oxide barrier coat

SIS 055900 · Sa 2½ / St 3
Surface preparation standard

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
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Technical data (at +20 °C)

Colour	**Metallic grey**	Interval time	**16 h**
Specific gravity	**approx. 1.25 g/cm³**	Touch dry	**2–4 h**
Solids (by weight)	**57 %**	Full dry	**16–24 h**
Viscosity	**900 cP**	Full cure	**7 days**
Gel time	**6–8 h**	Application temperature	**+14 °C to +35 °C**
Theoretical consumption	**0.180 kg/m² (40 µm DFT)**	Shelf life	**12 months**

Application procedure

01

Surface preparation

Concrete / plaster: cure ≥ 21 days, remove residues, degrease, neutralise if needed. Steel: Sa 2½ or St 3, prime within 4 h – never the next day.

02

Primer (as topcoat)

Submerged metal: UNEPOX ZP or ZRP PRIMER 2K; non-submerged: UNEPOX ZC PRIMER 2K; aluminium / galvanised: UNEPOX WP.

03

Application

Mix both components and apply by roller, brush or spray gun – 0.180 kg/m² per layer.

04

Recoating

Interval time 16 h; full dry 16–24 h, full cure 7 days.

Mixing ratio (by weight)

14.4 kg : **5.6 kg**

- **14.4 kg** — Component A – base
- **5.6 kg** — Component B – polyamide hardener

Supplied as 14.4 kg base + 5.6 kg hardener in tin cans.

Application conditions
+14 °C – +35 °C
Do not apply below +14 °C or above +35 °C air temperature.

Consumption
0.180 kg/m²
Per layer – depends on surface permeability and porosity.

Gel time
6–8 h
At 20 °C.

Important: consumption may vary with surface porosity, ambient temperature and application technique.

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Packaging

- 14.4 kg base + 5.6 kg hardener in tin cans

Storage

- Store unopened in original packaging at +15…+35 °C in closed, dry areas.
- Shelf life: 12 months from manufacture.
- Protect from sun and frost.

Safety

- Non-hazardous when cured.
- Contains no formaldehyde, asbestos, mercury, lead or chromates.
- See the Safety Data Sheet (MSDS).

LEGAL NOTE

The explanations provided in this technical data sheet are based on test evaluations and results conducted according to relevant standards and are intended to guide applicators. As workmanship, weather conditions, construction, equipment used and other variables that may affect results are entirely beyond our control, UNICA does not provide any explicit or implicit warranty regarding this material. UNICA only guarantees that the material conforms to its product specifications, and its sole responsibility towards the buyer or user of this product is limited to the replacement value of the product in case of manufacturing defects. Under no circumstances shall UNICA be liable for any direct or incidental, special or consequential injury, loss or damage arising from the material or its application. UNICA shall not be held responsible in any way for any defects, alterations or changes in conditions in the substrate where its products are applied.