ANTICORROSIVE COATINGS · EPOXY

Unepox Undercoat FST 2K

Flame-retardant, surface-tolerant epoxy primer for metal

COLOUR
Metallic grey
semi-matt

1.34 g/cm³	66.5 %	Flame-retardant	8–10 h	4 m²/kg
Specific gravity	Solids (by weight)	Delays flame spread	Surface dry (20 °C)	at 100 µm DFT

Product description

UNEPOX UNDERCOAT FST 2K is a two-component, surface-tolerant, solvent-based metal primer that delays rust formation. It protects above- and under-water metal surfaces in humid environments against atmospheric and chemical corrosion, and its flame-retardant content delays and prevents flame spread on potential flame contact.

Application areas

- Metal surfaces that are difficult to clean mechanically – as primer or topcoat
- Metal parts above and below water
- Protection against atmospheric and chemical corrosion in humid environments

Advantages

- Flame-retardant
- Resistant to salt and fresh water
- Forms a flexible film
- Semi-matt appearance
- Roller, brush or spray
- Fast drying

Position in the system

Primer / topcoat — THIS PRODUCT
UNEPOX UNDERCOAT FST 2K · 0.250 kg/m² per coat

Wash primer (Al / galvanised)
UNEPOX WP

Substrate
Iron & steel Sa 2½ / St 3 · aluminium · galvanised

Metal protection

Surface-tolerant epoxy for humid and immersed areas

SIS 055900 · Sa 2½ / St 3
Surface preparation standard

On aluminium and galvanised surfaces apply one coat of UNEPOX WP (Wash Primer) after cleaning.

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Technical data (at +20 °C)

Colour	**Metallic grey**	Intercoat interval	**24 h**
Specific gravity (20 °C)	**approx. 1.34 g/cm³**	Surface dry (20 °C)	**8–10 h**
Solids (by weight)	**66.5 %**	Full dry (20 °C)	**24 h**
Viscosity	**3100 cP**	Full cure (20 °C)	**7 days**
Theoretical spreading rate	**4 m²/kg at 100 µm DFT (1 coat)**	Application temperature	**+14 °C to +35 °C**
Consumption	**0.250 kg/m² per coat**	Shelf life	**12 months**

Resistance

Rain & moisture · Fresh & salt water · Immersed metal surfaces · Mineral oils · Mineral solvents · Aromatic solvents

Application procedure

01

Surface preparation

Blast or mechanically clean iron and steel to SIS 055900 Sa 2½ or St 3. Apply within 4 h – never leave prepared surfaces to the next day; if delayed, re-blast and clean.

02

Non-ferrous metals

Clean aluminium and galvanised surfaces with a special cleaner, then apply one coat of **UNEPOX WP** (Wash Primer).

03

Application

Mix the product and apply on the metal surface by roller, brush or spray gun.

04

Recoating

Wait 24 h between coats. Full drying 24 h, full cure 7 days at 20 °C.

Kit composition (by weight)



15 kg
Component A

5 kg
Component B

Supplied as 15 kg A + 5 kg B kits in original tin cans.

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

Consumption
0.250 kg/m²
Per coat – depends on surface permeability and porosity.

Fire behaviour
Flame-retardant
Delays and prevents flame spread on potential flame contact.

Important: the product tends to chalk outdoors; this does not affect its protection against atmospheric effects.

Packaging

- 15 kg component A + 5 kg component B in original tin cans

Storage

- Store unopened in original packaging in closed, dry areas at +15…+35 °C.
- Shelf life: 12 months from production.
- Do not expose to sun outdoors; protect from frost.

Safety

- Not hazardous when cured.
- Contains no formaldehyde, asbestos, mercury, lead, chromate or derivatives.
- See the Material 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.

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