

KM I-PRIMER 036

KM I-PRIMER 3500



Primer for intumescent paints **KM I-CHAR 21 – KM I-CHAR 22**

KM I-PRIMER 036 is a suitable solution on steel, for non-aggressive environments.

KM I-PRIMER 3500 improves the adhesion on concrete and masonry.

They're tested and compatible as base for our intumescent paints.

KM I-PRIMER 036 is a fast drying monocomponent primer. The anticorrosive characteristics and the good adherence insure a meaningful solution for the normal intumescent paints, both on steel and galvanized steel.

KM I-PRIMER 3500 is a primer to be used as deep impregnating varnishes for concrete substrates, masonries and every porous mineral substrate. It improves adhesion and reduces absorption.

The norm **ISO 12944** defines the corrosion-proofing classes of the covering steel in different environment conditions. The classes between C1 and C5 change from interiors of heated buildings to industrial or sea-buildings with aggressive places or high salinity.

The norm **ETAG 018** published by EOTA regulates the use of intumescent coatings with respect to exposure, durability and use of primer and corresponding final coats.

An intumescent paint must be tested with different primers; appropriate primers are defined (alchidics short-medium oil, ...) to match with the right paint.

KM I-PRIMER 036

Anticorrosive primer for buildings and industrial applications. Fire proofing tested with **KM I-CHAR 21** and **KM I-CHAR 22** according to **ETAG 018**.

It is easy to apply, with good impregnating of the substrate. The phenolic modification guarantees the adhesion and resistance to the saponification on zinc and an higher chemical resistance. The zinc phosphate offers anticorrosive properties with un-lead and un-chromate compositions.

A good quality/price ratio and the fast drying of the primer, guarantee a right solution for the most of the intumescent applications for interior architecture.

KM I-PRIMER 3500

The water-basic acrylic paint in ultra-fine particles offers a deep impregnation of the substrates. It's used for every porous mineral substrate, and neutralizes the alkaline effect. **KM I-PRIMER 3500** improves the adhesion of the successive layers of paint and increases the cohesion of the concrete substrate, reinforced concrete, masonry.

The application time increases with the saturation of the porosity of the substrate and with a low water absorption during application of the paint.

Any film of paint must not appear on the surface after drying.

It is suitable to be used with paint **KM I-CHAR 21** and tested according to EN 13381-3.

USE AND PLACEMENT

The substrate must be thoroughly cleaned from oxidants, dust and dirt, degreased with solvents and detergents and left to dry completely. The steel surfaces should normally be sandblasted (SA274).

The galvanized surfaces must be passivated and not too smooth and shiny. The zinc oxide powder must be removed. All the products must be mixed and diluted as prescribed.

The application must be made normally in one hand.

Clean the tools with solvent (**KM I-PRIMER 036**) or with water (**KM I-PRIMER 3500**).

The environmental conditions must be respected during the application and the drying.

TECHNICAL SPECIFICATIONS

KM I-PRIMER 036

| | |
|-----------------------------------|--------------------------------------------------------------------------|
| Density: | 1.50 ± 0,05 kg/dm ³ at 20°C |
| Dry Residue: | 75% ± 5 %w/w – 60% ±5% v/v |
| Colour: | grey RAL 7038 |
| Packaging: | bucket ADR of 15kg |
| Deadline: | 12 months in original packaging and appropriate environment |
| Performance: | 100 g/m ² wet for 40 µm DFT=15m ² /L (theoretical) |
| Application: | to roller, brush or spray |
| Dilution: | 5 at 15% with synthetic diluent (toluene/xylene/naphtha) or nitro |
| Drying: | 15 min to touch / 24 ore – total (@ +20°C at 60% UR.) |
| Min/Max. Application Temperature: | 0°C/+40°C I |
| Viscosity: | 40000 cPs (Brookfield SP6,20RPM) |
| Efflux Time: | 4' ±30'' (Ford cup 4) |

KM I-PRIMER 3500

| | |
|----------------------------------|-------------------------------------------------------------|
| Density: | 1.00 ± 0,05 kg/dm ³ at 20°C |
| Dry Residue: | 30% ± 5 %w/w – 30% ±5% v/v |
| Colour: | milky transparent |
| Packaging: | PE bottle |
| Deadline: | 12 months in original packaging and appropriate environment |
| Performance: | 60-100g/m ² of diluted product |
| Application: | to roller, brush |
| Dilution: | 1:2 by water |
| Drying: | 1-2 h to touch (at +20°C at 60% UR.) |
| Min/Max Application Temperature: | +5°C/+40°C |
| Viscosity: | 200 cPs (Brookfield SP4,20RPM) |

The technical specifications have only an information value and the maximal results are guaranteed only after preliminary tests of application.