B151b.en

Firewin | 07/2016

Knauf Firepaint Primer K2

Primer for galvanized surfaces

B151b.en Knauf Firepaint Primer K2

Primer for galvanized surfaces

Product description

Knauf Firepaint Primer K2 is a two-component epoxy paint. It cures to a flexible, well adhering coating with good abrasion and impact resistance. Contains zinc phosphate.

Storage

6 months for base component and 3 years for curring agent (stored in closed container) (25°C) from time of production.

Shelf life is dependent on storage temperature. Shelf life is reduced at storage temperatures above 25°C. Do not store above 40°C

Scope of application

Knauf Firepaint Primer K2 is used as a primer for on hot dipped galvanized surfaces, aluminium and stainless steel in moderately corrosive environments. Knauf Firepaint Primer K2 is also suited when roughening of the surface is not possible.

Method of delivery

Knauf Firepaint Primer K2

bucket 5l article no 528434

Properties

- Reaction to fire B-s1, d0 according to European Fire Standard EN 13501-1.

Application guidelines

Surface preparation

Cleaning and degreasing. Entire area to be (high pressure) fresh water cleaned in order to remove salts and other contaminants. When surface is dry, perform either light abrasive sweep blasting to a uniform rough surface or roughen the surface by mechanical means. Afterwards, apply one coat of primer Knauf Firepaint Primer K2 at maximum DFT of 100 µm. After priming and before application of Knauf Firepaint Steel, remove oil and grease etc. With suitable detergent. Salt and other contaminants shall be removed by (high pressure) fresh water cleaning. Leave the surface drying for sufficient time to ensure full evaporation of water, prior to application of Knauf Firepaint Steel. Knauf must be consulted in all cases of doubt about the suitability for overcoating of the primer.

Application

Knauf Firepaint Primer K2 can be applied by brush or airless spray. Use a nozzle orifice of 0.017-0.019" and nozzle pressure 175 bar.

Airless spray data are indicative and subject to adjustment.

Mixing ratio by volume. base component: curing agent/ 3:1. Base component and curing agent should be mixed thoroughly with a machine. Pot life: 2 hour(s) (+20°C). For thinning use Knauf Firepaint Thinner (EP). When applied at lower film thickness the recommended dilution is 5%.

Normal range dry is: 50-80 µm. May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and overcoating interval.

Processing temperature / conditions

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.

At the freezing point and below be aware of the risk of ice on the surface, which will hinder adhesion.

Use only where application and curing can proceed at temperatures above:-10°C.

The temperature of the surface must also be above these limits. The temperature of the paint itself should be: 15-25°C In confined spaces provide adequate ventilation during application and drying.

Drying Time/ Overcoating Interval

Drying time and overcoating interval are depending on temperature and relative humidity.

Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying. A completely clean surface is mandatory to ensure intercoat adhesion, especially at long overcoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed by fresh water hosing. Any degraded surface layer, as a result of a long exposure period, must be removed. Water jetting may be relevant to remove any degraded surface layer and may also replace the above mentioned cleaning methods when properly executed.

To check whether the quality of the surface cleaning is adequate, a test patch may be relevant.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Knauf Safety Data Sheets and follow all local or national safety regulations.

Knauf Firepaint Primer K2 for professional use only.

Technical detalils	
Shade nos/Colours	11630* / Off-white
Finish	flat
Volume solids	% 55 ± 1
Theoretical spreading rate	11.0 m^2/l - 50 µm
Flash point	30 °C
Specific gravity	1.5 kg/litre
Dry to touch	3 approx. hours (20 °C)
Dry to handle	7 days (20 °C)
VOC content	389 g/l

*) MULTI-TINT system