



Polyurethane Top Coat KRS-500



Description & Recommended Use

Polyurethane topcoat is a two-component coating. It has high resistance to ultraviolet rays, chemical materials and abrasion. This paint as a protective finish coat for protection of structural steel were superior performance, attractive appearance gloss retention. The products can be applied as a single coat or as a topcoat of a coating system. We order to use on metal surfaces chemical tubes, port establishment, deck and hull of ships and bridges.

Surface Preparation

The surface should be free from any rust, moisture, mill scale, oil & grease.

Mechanical & chemical surface preparation methods should be performed depending on the type of contamination, the coating system environ mental condition & the service life.

If paint application without primer for ferrous & Steel use blast in accordance with sa2 or sa2 ½ & remove all the abrasive residues & dust from the surface after sandblasting.

Apply the paint immediately followed by surface preparation

Data Sheet / Technical Data at 25 ° C

Binder acrylic polyurethane

Components Two

Colour white (according to order)

 $\begin{array}{lll} \text{Finish} & \text{gloss} \\ \text{Density (gr/cm3) (A+B)} & \text{1.3} \pm 0.05 \\ \text{sold Contents (by weight) (A+B)} & 65\% \pm 2 \\ \text{Solid Contents (by volume) (A+B)} & 55\% \pm 3 \\ \text{Dry film thickness(μ)} & 50 \pm 60 \ \mu \\ \text{Theoretical coverage at } 50 \mu & 11 \ \text{m2/lit} \\ \text{Flash point} & 20 \ ^{\circ}\text{C} \end{array}$

Storage condition Store in dry & cool

Technical Application Details at 25 ° C

Curing mechanism Chemical reaction & solvent release

Mixing ratio (by weight) (A/B) 5.1

Mixing ratio (by volume) (A/B) 5.1

Pot life ---
Thinner 492

Dry to touch 1 hours

Dry to handle 16 hours

Fully cured ---
Min. time to overcoat 24 hours

Min. time to overcoat 24 hours

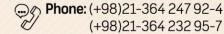
Max. time to overcoat 3 weeks

Shelf life (Standard condition) 8 Month

Description

Application Equipment











Conventional Spray Airless Spray Brush Pump ratio: 28:1 Tip: 0.38 mm-0.53 mm

Nozzle pressure: 150 bar/ 2200 psi

Code

Environmental Conditions

Air temperature: 10°C – 40°C

Surface temperature: 10°C – 40°C

To prevent moisture condensation

During application surface temperature must be at 3 °C above the dew point

Application procedure

Flush equipment with recommended cleaner before use
Stir component A (base) with a Power Mixer.
Add hardener to base in the proper Mixing continue stirring for 5-10 Minutes.
After 20 – 30 minutes add Shakiba's thinner for ready to use
Use Shakiba's thinner for adjusting the viscosity.
The consumption depends on temperature & type of equipment & thickness paint.

Safety

This product is flammable it must be kept away from heat, flash & flame keep container closed use with adequate ventilation & Earth Prolonged & repeated contact with skin may be harmful In case of eye contact flush with plenty of water and check with a medical doctor.

Note

Density, solid contents theoretical coverage is dependent on colour

Pot life, drying time is dependent on air and steel temperature, applied film thickness.

Never apply coatings under environmental condition.

Adjusting the viscosity & pressure. For better adhesion on un steel, we offer wash primer as on under. This information given 25°C temperature and changed temperature cause to change data.

Don't use different thinner; otherwise, we decline all responsibilities of it.

For more information, please call to sale engineering expert.



