CORUST-GUARD PU

Polyurethane Top Coat

CORUST-GUARD PU is two pack polyurethane based on aliphatic isocyanate. This fluid applied resinous coating system are optimal for various industries with challenging environment due to the ability to stand up to the extreme environments .
CORUST-GUARD PU provide good abrasion resistance, hydrolytic stability and resistance to a variety of solvents and chemicals. Polyurethane topcoats have evolved over the years into a coating technology that can be formulated to give low-VOC coatings.
Polyurethane coating offer great flexibility in terms of finishes, including high-gloss, semi gloss, pearl, satin, matte and eggshell options. It is commonly used as an architectural metal finishing .



Features

- Polyurethane topcoat especially recommended for all protection
- UV resistance and Temperature resistance
- Powerful and Durable coating.
- High mechanical strength.
- The viscosity provides high performance and high opacity.
- Spreading gives a perfect finish.
- Corrosion resistance and Oil resistance
- Chemical resistance (Acid and alkali resistance)
- Abrasion and Weather resistance
- Ultra low VOC and eco friendly product

Field of Application

CORUST-GUARD PU is an ideal topcoat solution over epoxy and other floor coatings that do not provide UV stability. It is also suitable as a wall paint. The finish will seal and protect your existing coloured coating ensuring it does not fade or discolour due to the suns UV rays. This makes it ideal for use in outdoor areas that are prone to heavy sunlight. This two component high solids polyurethane finish is formulated for application to military aircraft and is designed to provide maximum protection for various chemicals , hydraulic fluids, aviation fuels and corrosion causing media. Available in gloss, semi-gloss and camouflage appearance . Clear available in all gloss levels . Also available in aluminum metallic. This product provides excellent performance with regard to cleanability, mar resistance and surface smoothness in all gloss ranges.
Easy to apply this coating is great for industrial users. When used as a topcoat it will provide excellent protection from elements both indoors and outdoors as well as offering high levels of abrasion resistance. Polyurethanes are extremely flexible and it is this flexibility that aids in absorbing impacts, ensuring your floor remains in good working condition for many years.
It is frequently used as a topcoat over epoxy priming in light of the fact that it supplies the UV resistance that epoxy lacks. Applied in a thin film, once it cures, it forms a powerful and durable barrier for the underlaying substance.

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Technical Specification

Application Temperature	5 °C to 50° C
Pot life @25°C	2-4 hours
Over Coat time	4 to 12 hrs hours
Dry Time To Walk	12 hrs @ 25 °C
Full Cure	5 days @25° C
Theoretical Coverage	10 m²/Litre
Thickness	10-100 micron
Bond strength (ASTM 4551)	2.5N/mm²
Water absorption (ASTM D 471)	NIL
VOC (MPI 147)	≤ 100 g/L
Chemical Resistance (ASTM D543)	Excellent Resistance to various chemicals like acids , alkalis , fuels , grease, petrol

Application
Surface Preparation
The substrate should be fully dry, clean and sound. The surface must be free from dust, oil, curing compound and any foreign material. The substrate should be moisture free. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Priming
Prime the fully prepared surface (Recommended to use CORUST-GUARD Prime if required. Consult OBS-Support for proper selection of primer)

Mixing
Mix part A (resin) and part B (hardener) separately for 3 minutes using a speed drill fitted with a paddle to get even consistency. Apply the ready mix soon after the mixing.

Application
The well mixed Floor Fort Screed should be spread to uniform thickness on the primed surface with brush, roller or spraying method .This product suitable for carbon steel , stainless steel, aluminum, galvanized steel, shop primed steel and coated surfaces other than general concrete and wooden based surfaces as a high performance rust or anti corrosion protective coating.

Organix CORUST-GUARD High Performance anti corrosive and anti rust protection system consists of CORUST-GUARD PUZ Prime + CONRUST-GUARD HB+ CONRUST-GUARD TF.

Cleaning of Tools
Clean all the tools and equipment with Organix Solvent immediately after the use.

Packing and Storage
Two pack system consisting of A and B .It can be supplied in 20L Multiple Pack set.
Store under ware house conditions, in the original unopened packs. Shelf life: 12 months under conditions below 45°C.

Health & Safety
Flash point 52°C, may Irritate to eyes and skin. Avoid breathing fumes, Wear suitable gloves and eye/face protection. Wash hands with water after use.

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