CORUST-GUARD PUZ Prime

Advanced polyurethane anti-corrosion primer

CORUST-GUARD antirust PUZ primer is applied for active anti-corrosive and anti-rust protection of iron and steel surfaces that are to be coated with CORUST-GUARD series products . VOC conforming low , based on zinc-urethane technology. The resulting primer is designed to deliver excellent corrosion resistance.
It is extremely hard and resistant to friction. It is particularly resistant to acids, alkalis, petroleum products, to some solvents, water, sea water etc.
It can even be used as a coating on its own if its reddish-brown or grey color is satisfactory. Typical examples of use are the protection of silos, steel bridges, iron roofs, pipes, fences etc.



Features

- Excellent resistance to the affect of wide range of chemicals
- Extreme bonding strength for all type of metal surface.
- User friendly, no noxious during application
- Anti-corrosive and anti-rust protection of iron and steel surfaces
- Excellent salt fog and Humidity resistant
- Antimicrobial that inhibits up to 99.99% of bacteria
- Designed for heavy domestic or light industrial use
- VOC less than 250 g/L

Field of Application

The choice for an in field application, due to its ability to perform on a minimally prepared surface. PUZ conforms to most specifications. Suitable to use furnace, heating room, industrial oven where highly temperature resistance required.

COMPATIBILITY WITH OTHER COATINGS

PUZ should be top coated with other organix coatings including, but not limited to CORUST-GUARD or other polyurethane or epoxy coating or DRYTEX or other epoxy primers. High gloss polyurethane enamels or other polyurethane topcoats can also be applied on top of the urethane or epoxy primers for a complete system. In some select environments, PUZ can also be directly topcoat with polyurethane based waterproofing topcoats. Contact your Organix representative for specific recommendations. The products referenced herein may not be sold in your market. Please consult your distributor for product availability.

LEED Requirements and ENVIRONMENTTAL INFORMATION

FERICOAT HB flooring system meet the required VOC and emissions requirements and therefore contribute to LEED EQ Credit 4.2 &4.3 : Low-Emitting Materials .

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Typical Properties (Multi Component Resin Mixture)

Application Temperature	5 °C to 50° C
Pot life @25°C	1 hour
Over Coat time	4 to 12 hrs hours
Dry Time To Walk	12 hrs @ 25 °C
Full Cure	5 days @25° C
Coverage	10 m²/Litre

Technical Specification

Properties	Typical Values	Standard
Thickness	75-100 micron	
Bond Strength	2.5N/mm²	ASTM 4551
Water Absorption	NIL	ASTM D 471
CHEMICAL RESISTANCE	ASTM D543	Excellent Resistance to various chemicals like acids , alkalis , fuels , grease, petrol
VOC	MPI 147	≤ 250 g/L

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.

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

Apply as required for the project requirements with an average thickness of 50-100 micron .This product suitable for carbon steel , stainless steel , aluminum , galvanized steel, shop primed steel ,coated surfaces and all type of metal where extreme bonding required with anti corrosion property.

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

Two pack system consisting of A and B .It can be supplied in 10L/2OL Multiple Pack set

Storage

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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