

CORUST-GUARD HB

Advanced high Build Epoxy Coating

organix

BUILDING
SYSTEM

CORUST-GUARD HB is a high build epoxy coating system for steel structures with excellent resistant to rust , corrosion , high mechanical wear and chemical properties. CORUST-GUARD HB has been developed typically for areas where optimum rust proof and chemical resistance combined with decorative effect is required.

A two-part solvent-free epoxy resin material applied as a high build protective coating to steel, concrete and other construction materials. The coating is resistant to mechanical damage, abrasion and will give protection against weathering and chemical attack.

By using the most up to date in solvent free technology smoothing system will produce an easily cleaned, non toxic, chemically spill resistant surface with good colour and colour retention. This is a heavy duty industrial coating system. 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 .

Features

- Excellent resistance to the affect of wide range of chemicals
- High strength and durability, Superior resistance to abrasion
- User friendly, no noxious during application
- Anti-corrosive and anti-rust protection of iron and steel surfaces
- Excellent anti corrosion and rust proof
- Antimicrobial that inhibits up to 99.99% of bacteria
- Designed for heavy domestic or light industrial use
- VOC less than 50 g/L

Field of Application

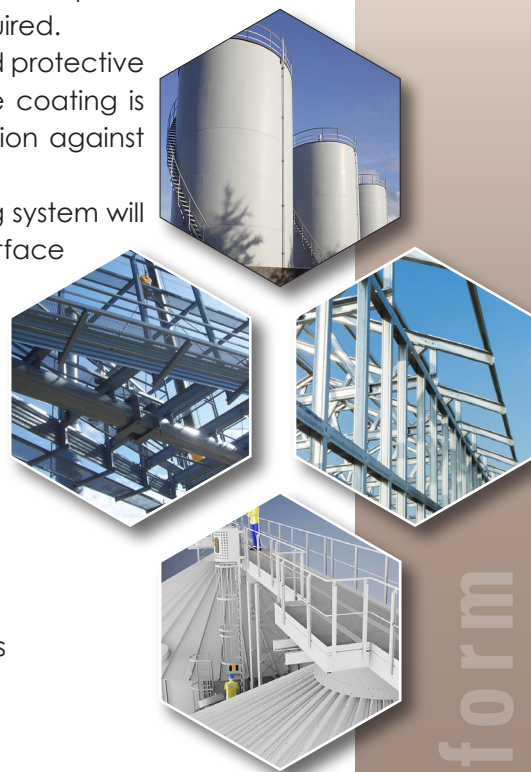
CORUST-GUARD HB can be applied on most sound substrates including concrete , wood and metal floors. It will restore deteriorated structure /substrate in to a better than new condition. It is a high build undercoat or sheen finish , widely used for the treatment of steel and concrete structure . It is extremely hard and resistant to friction. It is particularly resistant to diluted acids, alkalis, petroleum products, to some solvents, water, sea water etc. Uses include steel fabrications and reinforcements, floors, walls and soffits, marine and sewage works, warehouse storage areas, plus industrial factory areas.

Anti-corrosion protective coating on steel in heavy duty industries , food processing industries , sewage works , farms , agricultural enterprises , chemical , oil& gas , beverage , marine and other highly exposed industrial and climatical conditions . Typical examples of use are the protection of silos, steel bridges, iron roofs, pipes, fences etc.

and will prevent ingress of water vapour during the service life of the structure. The special polymer modification of bitumen gives flexibility at low temperature high puncture and tear resistance and can be used horizontal and vertical damp proof applications

LEED Requirements and ENVIRONMENTAL INFORMATION

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



engineered to perform

Typical Properties (Multi Component Resin Mixture)

Application Temperature	5 °C to 50° C
Pot life @25°C	2 hours
Over Coat time	4 to 12 hrs hours
Dry Time To Walk	12 hrs @ 25 °C
Full Cure	5 days @25° C
Coverage	5m ² /Litre

Technical Specification

Properties	Typical Values	Standard
Thickness	100-500 micron	
Bond Strength	2.5N/mm ²	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.

Priming Prime the fully prepared surface (Recommended to use CORUST-GUARD PUZ 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 using brush, roller o spraying method. Apply as desired thickness can be between 100 micron to 500 micron DFT. 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

Two pack system consisting of A and B .It can be supplied in 20L 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.

