

RUST-BLOCK

Single Component Solvent based Anti-Corrosive Primer Direct to Metal
Coating & Protective Coating for Concrete



PRODUCT DESCRIPTION

Rust-Block is a single component, a multifunctional coat, with application as anti-corrosive direct to metal primer cum-finish coating suitable for well Prepared steel for mild to moderate corrosive atmosphere. It is a low VOC quick drying material for interior and exterior purpose in moderate corrosive environment. Rust-Block is self-priming and direct to metal coating. The material has good weather ability and moderate abrasion resistance. Rust-Block Primer accommodates for maximum weather exposure that is experienced by metal sheets, roofing decks, equipment etc. Highest quality resins are combined with white inorganic pigments and fillers resulting in superior durability and corrosion protection and fire retardancy.

PERFORMANCE FEATURES

- Good Chemical Resistance.
- Excellent UV Radiation Resistance.
- Excellent Corrosion Resistance.
- Excellent Scratch Hardness. Flexibility and solvent resistance.
- Excellent adhesion and sealing properties to many other substrates.
- Excellent Freeze/Thaw resistance.
- Non-toxic and environmentally friendly product.
- Dirt pick-up resistance.
- Low toxicity and odor.
- Highly suited for C1-C4 corrosive environment.

ADVANTAGES

- Excellent bond to metal Surface.
- Good weather ability.
- Easy to apply, flowable consistency.
- Material is pre-packaged in a convenient and easy to handle sizes.
- Easy application by spray, brush, or roller-thus lowering application costs.
- Non-toxic when cured.

APPLICATION METHOD

SURFACE PREPARATION

Remove dust, flakes, or other foreign particles by jet or dry air and prepare the surface for application. All Surfaces areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. The concrete/plaster surface should be at least 28 days old or fully cured. Smooth surfaces should be roughened, all loose material and surface laitance removed and steel cleaned to bright metal preferably using wet grit or water blasting techniques or equivalent approved methods.

MATERIAL PREPARATION

Stir well before use thoroughly Rust-Block with a slow speed drill mixer with a spiral type blade at the bottom of stirrer rod till homogeneous mix is obtained. Do not leave the container open after use. Pack it Airtight.

APPLICATION

Apply Rust-Block on the prepared surface by Brush, Roller, Airless spray gun with standard equipment. Apply only to clean, sound substrates. Concrete should be saturated but surface-dry and free of water backpressure. Apply two coats in the interval of 1 hours or when first coat is touch dry.

MATERIAL USES

- Rust-Block can be used for Direct to metal, exterior application. It is suited as stand-alone coat for corrosion protection and top coat. Being UV stable. Rust-Block is designed for use on metal substrates and components where high levels of corrosion resistance are required.
- Rust-Block can be used for Concrete and Inorganic Substrate. it can be used for exterior application. It is suited as stand-alone coat for concrete and other cementitious, non-cementitious surface for leakage protection, UV protection and carbon dioxide/acidic gas protection.
- Rust-Block is used for priming of substrate before topcoats. The cathodic protection ingredient chemically stops the cause of rust by preventing the iron from reacting with the oxygen in the air. Primer incorporates higher levels of ingredient than normally required for added resilience to the level electrolysis experienced on metal surfaces.

CLEANING

Clean all tools immediately with suitable solvent after use. Do not allow material to harden.

TECHNICAL DATA

PROPERTIES	RESULTS
Nature	Single Pack System (No Mixing)
Colour	Black, Red, green, Blue, yellow and custom colors
Application time	25-30 minutes at 30°C
Curing time (at 30°C)	Surface dry - 25-30 minutes Hard dry - 9 -10 hours

	Complete curing - 3 days
Recoat ability time	4 to 5 hours at 30°C
Finish	Smooth and Shine
UV Resistance	No Chalking, No Colour change
Corrosion Resistant	550 hours
Humidity Resistant	530 hours
Dry Film Thickness	25-50 microns

COVERAGE

120 ft²/lit for 25 micron or 6 m²/kg for 50 microns DFT.

STORAGE

Store in a cool dry place, well Ventilated space and away from source of heat and ignition. Containers must be kept tightly Closed.

SHELF LIFE

12 months from month of manufacturing in unopened packaging.

PACKING

Rust-Block Available in 20 kg Packing.

HEALTH AND SAFETY

- Avoid contact with skin / eyes and avoid swallowing.
- Wear suitable protective clothing, gloves and eye protection.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- Do not induce vomiting.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water.
Do not use solvent to clean the contacted area.

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