SX-47 STOPRUST
ZINC RICH EPOXY PRIMER

COLORTEK®

DESCRIPTION
Sx47-stoprust is a two-component epoxy based anti-corrosive primer.

RECOMMENDED FOR
Interior & exterior applications on iron & steel in very aggressive environments that are exposed to salt water, sea air and very humid conditions.

KEY FEATURES
- Combats Rust
- Resistant to water
- Zinc rich
- Resistant to chemicals
- Resistant to aggressive conditions
- Highly Adhesive
- Suitable for the embedment of coated substrate in concrete

PHYSICAL PROPERTIES

Solvent Type	Solvent based
Color	White or Grey (RAL 7012)
Corrosion category	C4, areas with moderate salinity, chemical plants, swimming pools, coastal areas
Spreading Rate	8-16m^2/Kg depending on application technique and surface porosity
Flash Point	Base 27°C, Hardener 27°C
Pot Life	60 min at 25°C
Recoat	After 3 Hours
Full Cure	3 days
Dry Film Thickness	30-60 microns depending on system and application method
Thinner	20-50 % clean epoxy thinner depending on application method
Scrub Resistance	Greater than 10,000 cycles based on ASTM D2486
Abrasion	CS17 wheels, 1000g weights, 500 cycles. Weight loss: 30mg based on ASTM D4060-14
Impact resistance	0.3 m/Kg based on ASTM D2794-93
Adhesion and flexibility	No cracks at 1/8" conical mandrel ASTM D 522
Adhesion to steel	>13 MPa based on ASTM D4541 (Dolly fracture)
Density	Approx. 1.4 g/cm^3
Solids	Approx. 50% by volume
Viscosity	4000-6000 cP (Spindle 3/ Speed 5) 35-45 ˚C
Bases	None
VOC	331 g/l as Per EPA Method 24

MPI STANDARDS COMPLIANCE
- Complies with MPI #101 primer epoxy anticorrosive for metal
- Complies with MPI #120 epoxy, high build self-priming low gloss

COLORTEK®
Wall and Floor Fashion

info@colortek.eu
www.colortek.eu

SURFACE PREPARATION

Steel Surface Conditions

The steel shall preferably be Rust Grade A or B according to ISO 8501-1. The use of steel with Rust Grade C requires tighter inspection of surface profile after blasting as well as of possible salt contamination. The final steel condition including welds and edges shall conform to preparation grade P2, ISO 8501-3: “Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness”. The steel surface shall be thoroughly prepared so that the coating achieves an even distribution at the specified nominal dry film thickness and has adequate adhesion.

General Preparations

In order to obtain best performance, abrasive blast cleaning is recommended.

Abrasive blasting/abrasive sweep blasting: Before blasting any deposits of grease or oil must be removed from the steel surface with a suitable detergent followed by high pressure fresh water cleaning.

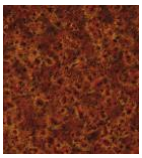
Minor spots of oil/grease may be cleaned with thinner and clean rags - avoid smearing out the contamination.

Possible alkali weld deposits, chemicals used for testing of welds, soap residues from the pressure testing must be removed by fresh water hosing. Abrasive blasting to Sa 2½ (ISO 8501-1:2007) with a sharp-edged surface profile corresponding to Rugotest No. 3, BN10a-b, Keane-Tator Comparator, 2.0 G/S, 2 S, or ISO Comparator, Medium (G).

Spot-repairs

Clean damaged areas thoroughly by power tool cleaning to minimum St 3 or by abrasive blasting to minimum Sa 2, preferably Sa 2½. As an alternative, water jetting to minimum Wa 2 (ISO 8501-4:2006) may be used or according to specification. Feather edges to sound and intact areas. Brush off loose material. Touch up to full film thickness.

STEEL RUST GRADES

RUST GRADES BASED ON ISO 8501-1		UNBLASTED	1 BLAST CLASS	2 BLAST CLASS	2.5 BLAST CLASS	3 BLAST CLASS
RUST GRADE A	Steel surface largely covered with adherent mill scale but little, if any, rust.					
RUST GRADE B	B Steel surface which has begun to rust and from which the mill scale has begun to flake.					
RUST GRADE C	Steel surface on which the mill scale has rusted away or can be removed by scraping, but with slight pitting visible under normal vision.					
RUST GRADE D	Steel surface on which the mill scale has rusted away and on which general pitting is visible under normal vision					

APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected.

APPLICATION METHOD

APPLICATION

Before using, stir thoroughly to ensure any settled pigment is re-dispersed. If necessary, thin the material with thinner.

Brush: Use light, even strokes. Excessive brushing reduces film thickness and protection.

Roller: A 38" nap roller should be used on rough surfaces. Cover approximately one square meter at a time. Roll away from previously coated area and work back to it for a uniform appearance. Use a brush on crevices and sharp edges.

Spray Gun: Follow spray gun directions carefully. Always keep the gun ten to twelve inches from the surface and in motion while spraying.

DRY & RECOAT

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures and higher humidity. Dries to the touch in 2-4 hours, to handle in 5-9 hours and can be recoated after 24 hours.

PACK SIZE

	Base White	Base Grey	Hardener
1 US Quart (kg)	1.18	1.18	0.17
1 US Gallon (kg)	4.7	4.74	0.68
1 US Drum (Kg)	23.5	23.7	3.4

SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Product should be stored in a dry area and protected from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with mineral spirits or paint thinner. Do not empty product into drains or watercourses. Wash hands after use in warm soapy water.

TECHNICAL ASSISTANCE

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2008, Certificate CH12/1128.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted on the basis of the information supplied herein.