

Technical Data Sheet

SUPERGUARD ZINC H

PRODUCT DESCRIPTION :

A two-component epoxy-based primer formulated with zinc dust to provide excellent corrosion protection for metal substrates. The zinc particles protect the surface through cathodic protection, ensuring superior resistance against heat, salt spray, marine environments, and various chemical solutions. The coating is compatible with all types of topcoats, providing flexibility for various finishing systems.

RECOMMENDED USE :

Ideal as a primer for steel surfaces that have been properly prepared and require superior protection against chemicals, moisture, marine environments, and highly corrosive atmospheres. Typical applications include:
Industrial steel structures, Ship hulls and marine structures.

TECHNICAL INFORMATION :

Type	Two-Component Epoxy Zinc Primer
Color	Grey , Red Oxide
Film Appearance	Matt
Solid by Volume (%)	60±2
Flash Point	30+2
Wet Film Thickness	100-133 microns
Dry Film Thickness	60-80 microns
Theoretical Coverage	7.5-10 sqm. / Ltr.

Remark: The actual paint coverage may vary depending on the surface condition, mixing ratio, environmental conditions during application, application methods and techniques, as well as the structure and size of the object to be coated.

Mixing Ratio	Based : Hardener = 80 : 20 (By Volume)
Pot Life	1-2 Hours @ 25-30 °C
Touch Dry (25-30 °C)	50 mins
Recoat Dry (25-30 °C)	5-6 Hrs. (over night)

PRODUCT STANDARD :

ASTM D4541-02 : Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers



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APPLICATION :

Tools

Roller / Brush / Airless Spray

Mixing / Cleaning

Thinner 4k No.65 / Thinner for Epoxy

Dilution (%)

5-10 % By Volume

APPLICATION SYSTEM :

Surface preparation

Rust removal

Perform abrasive blasting to achieve ISO 8501-1 Sa 2.5 or SSPC-SP 10 (Near White Metal Blast Cleaning) for optimal cleanliness.

Painting System (Steel)

Primer Coat

SUPERGUARD ZINC H

Intermediate Coat

SUPERGUARD HB MIO / SUPERGUARD HB

Topcoat

SUPERGUARD FX-G (Internal)

SUPERGUARD PU 777 (External)

Recommendation

The surface to be painted should have a temperature between 10-50°C, and the relative humidity should not exceed 85%.

HANDLING AND STORAGE :

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Shelf Life

2 years

Packing

3.785 Ltr.

Part A = 3.028 Ltr. / Part B = 0.757 Ltr.

18.925 Ltr.

Part A = 15.14 Ltr. / Part B = 3.785 Ltr.

HEALTH AND SAFETY :

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

