

Technical Data Sheet

SUPERGUARD PU 777 H COLOR

PRODUCT DESCRIPTION :

A high-performance topcoat based on acrylic resin modified with polyurethane. The product provides a glossy, non-yellowing finish with resistance to fading. It features excellent chemical resistance, impact and abrasion resistance, outstanding adhesion to various substrates, and a flexible coating film that prevents cracking.

RECOMMENDED USE :

Suitable as a topcoat providing a glossy finish for steel structures and exterior floors requiring resistance to marine atmospheres, UV radiation, acids, and alkalis. Typical applications include coastal steel structures, steel exposed to sunlight and rain, exterior factory walkways, parking areas, and both interior and exterior surfaces.

TECHNICAL INFORMATION :

Type	Two-component Acrylic Aliphatic Polyurethane
Color	According to color card
Film Appearance	Matt / Gloss
Solid by Volume (%)	50±2
Flash Point	30 °C
Specific Gravity	1.16±0.05
Wet Film Thickness	100 microns
Dry Film Thickness	50 microns
Theoretical Coverage	37.85 sqm. / Gallon

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	5 Hours @ 30 °C
Touch Dry (25-30 °C)	35-40 Minutes
Recoat Dry (25-30 °C)	2-3 hours.
Hard Dry (25-30 °C)	5-7 days.



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PRODUCT STANDARD :

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

ASTM G154 : Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials

ASTM B117 : Standard Practice for Operating Salt Spray (Fog) Apparatus

APPLICATION :

Tools
Mixing / Cleaning
Dilution (%)

Roller / Brush / Airless Spray
Thinner 4k No.920 / Thinner for PU
5-10 % By Volume

APPLICATION SYSTEM :

Surface preparation

The steel surface must be primed with an anti-corrosion primer. The primer coat must be fully dry and free from dust, oil, or any contaminants before applying the topcoat.

Painting System (Floor)

Primer Coat
Intermediate Coat
Topcoat

SUPERFLOR BH CLEAR
SUPERGUARD EM
SUPERGUARD PU 777 H COLOR

Painting System (Steel)

Primer Coat

Intermediate Coat
Topcoat

SUPERGUARD INORGANIC ZINC / SUPERGUARD ZINC -H /
SUPERGUARD COLOUR -SS / SUPERGUARD HB -SS
SUPERGUARD HB MIO / SUPERGUARD HB
SUPERGUARD PU 777 H COLOR (Exterior)

Recommendation

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



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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.

