



An Industrial Care
Company

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Technical Data Sheet

POLYURETHANE TOPCOAT

Single comp-solvent based urethane modified topcoat

PRODUCT PROPERTIES

Polyshield Topcoat is a Urethane Modified Based based topcoat. A recommended coating system as a finishing coat for protection of steel and concrete in adverse climatic conditions, exterior and interior. It is salt water resistant, quick drying and designed for surfaces exposed to chemical pollution, humidity and marine environment. It has excellent weather resistance and anti-corrosive properties and ability to dry in low temperatures.

PHYSICAL PROPERTIES

Color: According to PATSA colors or as per RAL codes

Solids volume %: 65 ± 2 (white),
48% ± 2% (Dark Shades)

Coverage: = 10 to 12 sq. mtr. per ltr. @ 60 μ DFT

Pigments: Titanium Di Oxide, Inert Extenders

Flash point 37°C ± 2 (Setaflash)

Appearance: Semi Gloss - Glossy.

Gloss retention: Very Good

Water resistance: Very good

Abrasion resistance: Very Good

Solvent resistance: Good

Chemical resistance: Good

Flexibility: Fair

Drying Schedule:

Touch Dry 04 hours.

Hard Dry 16 hours.

Recoat minimum 4 Hours.

FILM THICKNESS

Typical thickness recommended: Min 60 microns Dft.

SURFACE PREPARATION

All surfaces should be clean, dry and free from contamination. Apply a clean, dry and undamaged compatible primer. Contact Patsa office for more information at: 021 32201072

CONDITION DURING APPLICATION

The temperature of the substrate should be minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the

substrate. Good ventilation is usually required in confined areas to ensure correct drying.

APPLICATION METHODS

Spray Use airless spray

Brush Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness

APPLICATION DATA

Mixing ratio: Single pack

Thinner/Cleaner: Patsa Thinner No. 7

Guiding data airless spray

Pressure at nozzle 15 MPa (150 kp/cmH, 2100 psi)

Nozzle tip 0.46-0.66 mm (0.018-0.026")

Spray angle 40°-80°

Filter Check to ensure that filters are clean.

TYPICAL PAINT SYSTEM

Metals:

Acryoxide Red Primer

Polyurethane Primer

Polyurethane Topcoat

Concrete

Polyurethane Primer

Polyurethane Topcoat

Other systems may be specified, depending on area of use

STORAGE

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

PACKING SIZE

5 liters and 20 Liters

Shelf life: 1 year

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.

Keep away from sources of ignition. No smoking. Keep out of reach of children

IMPORTANT NOTICE

These products are sold subject only to the expressed warranties contained herein. Additional warranties, expressed or implied, and any warranty of merchant ability is hereby excluded. Buyer agrees that seller assumes no liability for consequential damages of any kind, which result from the use or misuse of the merchandise sold hereunder. In the event that the buyer proves that any goods received do not conform to the specifications agreed to between the parties or if the buyer proves that such goods were defectively manufactured. The buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the non-conforming goods at the option of the seller. Such remedy being exclusive of all others and the sole remedy available to the buyer, hereby expressly waives any claim to additional damages.



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