

ACRYSHIELD TOPCOAT

100% Acrylic Based Protective & Finishing Top Coat



An Industrial Care
Company

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Technical Data Sheet

PRODUCT DESCRIPTION:

Acryshield Topcoat is a 100% pure acrylic resin based protective & finishing topcoat. Acryshield gives protection from weather and climatic variation effects due to its high quality resin system. It is also salt water resistant and unsaponifiable. Being a finishing coat for steel and concrete in a variety of climatic conditions, it also comes with quick drying property which resists dust pickup and other paint hassles. Exterior as well as interior application recommended.

PROPERTIES:

Color: According to PATSA color card or as per RAL codes

Volume Solids %: 40 ± 2%

Flash point: 37°C ± 2

Gloss: Medium

Gloss retention: Good

Water resistance: Very good

Abrasion resistance: Good

Solvent resistance: Limited

Chemical resistance: Good

Flexibility: Good

SURFACE PREPARATION:

All surfaces should be clean, dry and free from contamination.

Coated surfaces:

Clean, dry and undamaged compatible primer. Contact your local Patsa office for more information.

Other surfaces:

The coating may be used on other substrates with minor preparatory work. Please contact Patsa office for more information.

FILM THICKNESS AND SPREADING RATE:

Min 50 microns in two coats

Coverage @ 50 microns = 8 sq. mtr. per ltr.

TYPICAL PAINT SYSTEM:

Acryoxide Primer 2 x coats (Datasheet available)

Acryshield Topcoat 1 x 50 µm (dry Film thickness)

Also used as finished coat on epoxy primers

Other systems may be specified, depending on area of use

APPLICATION METHODS:

Mixing ratio: Single pack.

Thinner/Cleaner: Patsa Thinner No. 7

Spray: Use airless spray

Guiding data for airless spray:

- Pressure at nozzle 15 MPa (150 kp/cm², 2100 psi)
- Nozzle tip 0.46-0.66 mm (0.018-0.026")
- Spray angle 40°-80°
- Check to ensure that filters are clean

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

Thinning

Brush and Roller 0- 5% Thinner # 7

Air spray and Airless Spray 0- 10% Thinner # 7

Cleaning

Clean all tools and equipment immediately after use with Thinner # 7

DRYING TIME:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- Good ventilation (Outdoor exposure or free circulation of air)
- Typical film thickness
- One coat on top of inert substrate

Substrate temperature	5°c	10°c	23°c	40°c
Surface dry	60 min	45 min	20 min	10 min
Through dry	10 h	9 h	4 h	2 h
Dry to recoat, min	5 h	4 h	2 h	1.5 h

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.

HANDLING:

Handle with care. Stir well before use.

PACKING SIZE:

5 liter and 20 Liter

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.

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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