

## VAROCOAT VARO-TOP (P/R) Acrylic/polyurethane resin based finish



### 1. OVER VIEW

VARO-TOP is a two component, acrylic/polyurethane resin based finish with excellent weather resistance and adhesion. It has outstanding workability and resistance to abrasion and chemicals..

#### a. Recommended Use

As a finishing coat for exposed water proofing coating system use on roof, bath-room, veranda, etc. where protection of membrane is desired.

### 2. PHYSICAL PROPERTIES

a. Finish and color: Gloss. Green. Other colors are available on request.

#### b. Drying Time

	5 /41	20 /68	30 /86
Set to touch	40 minutes	30 minutes	20 minutes
Dry through	8 hours	60 hours	4 hours
Fully cured	5 days	3 days	2 days

c. Solids by volume : Above 44%

#### d. Spreading Rate (Theoretical)

0.25kg/m<sup>2</sup> in 0.1mm dry film thickness on a smooth surface.

e. Specific Gravity( Mixed) : 1.15±0.05 (Kg/L).

f. Flash Point(closed cup) : 5 / 41 g.

g. Fire Rating: UL Rating Class A

#### H. Layer Physical Properties

Test Items	Requirement	Result	Test-Method
<b>Chemical Resistance</b>			
Resistance of Hot Water (Water, 120hrs, 40 )	Appearance	PASS	KS M5000
Resistance of Acid (5% H <sub>2</sub> SO <sub>4</sub> , 48hrs, 23 )	Appearance	PASS	KS M5000
Resistance of gasoline (48hrs, 23 )	Appearance	PASS	KS M5000
Resistance of Alkali (5% Na <sub>2</sub> CO <sub>3</sub> , 48h, 23 )	Appearance	PASS	KS M5000
<b>Weather Resistance</b>			
UV Light Resistance (257nm, 48hrs)	Appearance	PASS	KS M5000
Resistance of Accelerated Weathering (WS type, 1,000hrs)	Appearance	PASS	KS M5000
<b>Abrasion Resistance</b>			
<b>Abrasion</b> (Weight loss)	<50mg	25mg	Taber type

### 3. APPLICATION DETAILS

#### a. Surface Preparation

Remove any oil and grease from surface to be coated.

#### b. Preceding Coat

VARO-60, VARO-70 or according to specification.

#### c. Application Conditions

Do not apply when the temperature is less than 5 /41 , and relative humidity is above 80%.

The surface temperatures must be at least 3 (5 ) above dew point to prevent condensation.

#### d. Mixing

VARO-Top (P) : VARO-Top (R): = 12 : 4 (by weight).

Mix separately, then combine together and mix thoroughly with high speed dissolver for 5 minutes prior to application.

#### e. Pot Life & Recoating Interval

		5 /41	20 /68	30 /86
Pot Life		40 mins.	30 mins.	20 mins.
Recoating Interval	Min.	48 hours	15 hours	10 hours
	Max	72 hours	36 hours	24 hours

f. Thinning : VARO-SV(Thinner) (Thinning ratio : Max. 15% by weight)

g. Method of Application : Brush, Roller, Spray(Spattering) application.

#### h. Film Thickness

Recommended per coat 50 microns dry.

#### i. Shelf Life

VARO-Top(P) : 12 months

VARO-Top(R) : 6 months

\* Store in cool, dry, well-ventilated place.

j. Packing : VARP-Top (P):VARO-Top (R) =12Kg/Drum : 4Kg/Drum

#### l. Remarks

- Use adequate ventilation.
- Avoid contact with skin and eyes, and prolonged breathing of solvent vapors. In case of contact, wash with organic solvent and followed by soap and water cleaning.
- Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
- Clean equipment with VARO-SV(Thinner) immediately after use.
- Keep the recommended film thickness at application.
- Thick film per coat may result in bubbling.
- Dry completely to obtain good adhesion.  
Keep away from sparks and open flames.

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