

VAROCOAT VARO-80P/R Elastic Polyurethane Coating System



1. OVER VIEW

VAROCOAT VARO-80P/R is a two-component, polyurethane resin based elastic coating with excellent adhesion and other mechanical properties.

a. Recommended Use

As a hard-layer in " VAROCOAT VARO-80P/R " coating system for the gymnasium.

As a surface in floor coating system for general office, parking lot, school and hospital etc.

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	10 hours	5 hours	3 hours
Dry through	48 hours	15 hours	10 hours
Fully cured	10 days	5 days	3 days

c. Solids by volume(Mixed) : Above 96%

d. Spreading Rate (Theoretical)

3.9 Kg/m² in 3mm dry film thickness on a smooth surface.

e. Specific Gravity(Mixed) : 1.3 ± 1(Kg/L).

f. Flash Point(closed cup) : 27 / 80.6

3. APPLICATION DETAILS

a. Surface Preparation

- Do not apply coating unless concrete has cured at least 28 days at 20 /68 and below 80% R.H or equivalent..
- The surface moisture must be below 6%.
- The surface should be free of laitance.
- This can be accomplished by finishing technique, abrasive blasting, grinding, etc.

b. Preceding Coat : VARO-BP(Primer) (0.3 Kg/m²)

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-80(P) : VARO-80(R) = 1 : 1(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 : Do not dilute.

g. Method of Application : Rake and Spatula.

h. Film Thickness

Recommended per coat 2- 5m/m dry (Except for scraping)

i. Subsequent Coating : VARO-TOP.

j. Shelf Life

VAPR-80P: 6 months

VARO-80R : 12 months

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

k. Packing : VARP-80P : VARO80R = 20Kg/Drum : 20Kg/Drum

l. Remarks

- If the surface is not tacky from rain and snow, VARP-BP(primer) should be applied prior to application. In this time, spreading rate of VARO-BP is 0.1Kg/m².
- Bubbling may occur in case of applying this material in the temperature above 28 /82
- 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.

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