

CrownFlex Membrane

Product Description Sheet No. 304



Waterproof Membrane or Base Coat for Commercial and Industrial Floor Systems Requiring Added Protection

DESCRIPTION

CrownFlex Membrane, Product No. 304 is a 100% Solids, Moisture-insensitive, Non-shrink, Two-Component Epoxy / Polyurethane Membrane and Base Coat.

WHERE TO USE

On Dry Concrete, Steel and Wood Surfaces as a Neat Membrane, Epoxy-Glass Reinforced Membrane or Base Coat for Foot & Vehicular Pneumatic Tire Traffic.

Typical Areas of Use Include:

1. Commercial Floors
2. Industrial Floors
3. Precast Concrete Balconies
4. Food Processing Plants
5. Pharmaceutical Plants
6. Manufacturing Plants
7. High Rise Building Floors
8. Water Treatment Plants
9. Mechanical Rooms

ADVANTAGES

- Good Working Time
- Nearly No Odor
- 100% Solids, No VOC's
- Non-Shrink Membrane
- Fast Cure Rate
- Cures Down to 40°F
- Excellent Strength Properties
- Excellent Impact Resistant
- Easy to Place
- Overlayment May Be Placed When Membrane is Tack-Free

Typical Data for CrownPrime

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

COLOR Medium Gray, Black or Straw

POTLIFE 20 - 25 minutes

VISCOSITY 2,000 – 2,750 cps

CONSISTENCY Nearly Self Leveling

TACK-FREE TIME

Substrate Temperature	40°F *	73°F	90°F
	10 - 12 hrs.	6 - 8 hrs.	5 - 7 hrs.

TENSILE PROPERTIES (ASTM D638) 7 Days

Tensile Strength	2,100 psi
Elongation at Break, min.	70 to 100 %

SLANT SHEAR STRENGTH (ASTM C882) 7 Days

Test Temperature	Value	Mode of Failure
90°F	3,000 psi	100% Concrete Failure
40°F	3,200 psi	100% Concrete Failure

COEFFICIENT OF THERMAL EXPANSION (ASTM D696)

Temperature Range	-30°C (-22°F) / 30°C (86°F)
7 days	7.5.0 X 10 ⁻⁶ in / in. / °F

HARDNESS, SHORE D (ASTM D2240)

7 Days	35 to 45
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WATER ABSORPTION (D570)

7 Days	0.17%
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SHELF LIFE 1.0 years in original unopened containers

PACKAGING 4 and 10 Gallon Pails

APPLICATION NOTES

1. On damp surfaces, prime the surface with CrownPrime, Product No. 302. Allow polymer to become tack-free before applying CrownFlex Membrane 304.
2. CrownFlex Membrane is not a wear surface and requires an appropriate wear surface to protect the membrane

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