



PRIME COAT 4000

DESCRIPTION:

PRIME COAT 4000 is a two component, 100% solid, general purpose epoxy coating.

APPLICATIONS:

Protective coating for concrete, steel, or wood.
Coating bridge piers.
Protective beam ends.
Waterproof coating.

ADVANTAGES:

Excellent Bond Strengths
Good Chemical Resistance
Moisture Insensitive
USDA Approved

CONFORMS TO:

ASTM C-881
Type I, II, IV, and V
Grade 1
Class B & C

PACKAGING:

2 Gallon Units
10 Gallon Units

PHYSICAL PROPERTIES AT 77° F (25° C)

MIX RATIO A:B	1:1 By Volume
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VISCOSITY	2,300 c.p.s.
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POT LIFE	100 gram mass	1 gallon mass	20 mils
90° F (32° C)	16 min	18 min	2 hrs, 27 min
73° F (23° C)	32 min	25 min	4 hrs
50° F (10° C)	2 hrs, 26 min	1 hr, 12 min	18 hrs

COVERAGE	(20 mils)	160 square feet per gallon (10 mils)
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TEST DATA (STRENGTHS REPORTED IN P.S.I.)

COMPRESSIVE STRENGTH	ASTM D-695	9,000
COMPRESSIVE MOE	ASTM D-695	2.4 x 10 ⁵

TENSILE STRENGTH	ASTM D-638	3,400
TENSILE MOE	ASTM D-638	2.39 x 10 ⁵

BOND STRENGTH	DRY	ASTM C-882	2,900 (2 day)
	WET		2,200 (14 day)

ELONGATION	ASTM D-638	0.8%
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SHORE HARDNESS	D SCALE	81
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WATER ABSORPTION	ASTM D-570	1%
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APPLICATION TECHNIQUES:

MATERIAL CONDITIONING: Pre condition materials 65° - 85° F (19° - 30° C) before using.

SURFACE PREPARATION: Surface must be clean and free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. This should be achieved by sandblasting, waterblasting, or some other mechanical means.

MIXING CONSIDERATIONS: Pre mix each component. Measure exactly 1 part "A" to 1 part "B" by volume into a clean pail. Only mix the amount of material that can be used within the pot life. Mix epoxy for three minutes using a low speed drill with a mixing paddle (never mix by hand). Scrape the sides and bottom of the pail while mixing.

NOTE: Large batches of epoxy will set up much faster than small batches.

INSTALLING MATERIAL:

PRIMER: Prime Resins' Water Based Epoxy Primer may be applied at a rate of 200 square feet per gallon to increase bonding and help eliminate off gassing of Prime Coat 4000.

COATING: Material may be applied by spray, brush or roller. Prime Coat 4000 should be applied at a rate of 160 square feet per gallon. Two coats are recommended. Prime Coat 4000 may be thinned using Xylene at a maximum rate of one pint per gallon of mixed epoxy.

FLOORING: Pour mixed material onto concrete and pull out to desired millage using a notched squeegee and backroll.

Using a spiked roller to remove any entrapped air from the coating. Wear shoes with spikes to avoid slipping or damaging the system.

Apply the second coat after first coat is tack free but within 36 hours. If first coat cures longer than 36 hours, the surface must be roughed up by light brush blasting or sand paper.

A "maintenance system" may be installed by using Prime Coat 4000 "Red" for the first coat and "Gray" for the second coat. When the red begins to show through, it is time to re-coat with the gray material.

USE ONLY HIGH QUALITY ROLLER COVERS. USE 3/8" MOHAIR NAP (CANDY STRIPE) WITH PHENOLIC CORE.

- LIMITATIONS:** Minimum application temperature is 40° F (15° C).
Minimum age of concrete must be 21-28 days.
- STORAGE:** Store in a dry environment at a temperature between 40° to 90° F (4° to 32° C). Ideal temperature range is 65° to 75° F (18° to 24° C). Temperatures below 60° F (16° C) will cause epoxy to thicken making it difficult to properly blend the components. Under proper conditions, the shelf life is twelve (12) months in unopened, damage-free containers. **PROTECT FROM MOISTURE. DO NOT ALLOW PRODUCT TO FREEZE.**
- WARNINGS:** "A" material may cause skin irritation. Contains epoxy resins.
"B" material may cause severe burns on skin. Contains amines.
- FIRST AID:** **Skin Contact** - Wipe off contaminated area and wash with soap and water.
Eye Contact - Immediately flush eyes with large amounts of water for 10 minutes. Get medical attention.
Inhalation - Move to fresh air if symptoms occur. If breathing is difficult, get medical attention.
Ingestion - If conscious give two glasses of milk or water. Get medical attention.
See MSDS for more information.
- CLEAN UP:** Clean equipment with MEK or Xylene immediately after use. Clean skin with soap and water. Wash contaminated clothing before re-use.
- WARRANTY:** Prime Resins warrants its products to be free from manufacturing defect and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of the sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.

If you have any questions or comments about any of Prime Resins products or application techniques you may contact us directly at 800-321-7212, Monday through Friday 8:00 AM to 5:00 PM Eastern Standard Time.

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