



PRIME COAT 4300 NOVOLAC

DESCRIPTION:

PRIME COAT 4300 is a two component, 100% solids, highly chemical resistant Phenolic-Novolac epoxy coating.

APPLICATIONS:

Coating concrete, steel, or wood where high chemical resistance is needed.
Secondary containment.

ADVANTAGES:

Resistant to Most Solvents
Resistant to 98% Sulfuric Acid
Resistant to 70% Nitric Acid
Moisture Insensitive

PACKAGING:

1-1/2 Gallon Units

PHYSICAL PROPERTIES AT 77° F (25° C)

MIX RATIO A:B	2:1 By Volume		
VISCOSITY	12,000 c.p.s.		
COLOR	Gray		
POT LIFE	100 gram mass	1 gallon mass	Tack Free (20 mils)
90° F (32° C)	25 min	21 min	1hr, 30 min
73° F (23° C)	47 min	40 min	4 hrs, 45 min
50° F (10° C)	3 hrs	1 hr, 15 min	10 hrs
COVERAGE	(20 mils)	80 square feet per gallon	

TEST DATA (STRENGTHS REPORTED IN P.S.I.)

COMPRESSIVE STRENGTH	ASTM D-695	10,700
COMPRESSIVE MOE	ASTM D-695	3.56×10^5
TENSILE STRENGTH	ASTM D-638	6,800
TENSILE MOE	ASTM D-638	3.08×10^5
ELONGATION	ASTM D-638	1.2%
SHORE HARDNESS	D SCALE	84
WATER ABSORPTION	ASTM D-570	1%

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 shotblasting, sandblasting, or some other mechanical means.

MIXING CONSIDERATIONS: Pre mix each component. Measure exactly 2 parts "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:

Material may be applied by brush or roller. Prime Coat 4300 should be applied at a rate of 80 square feet per gallon. Two coats minimum are required. Prime Coat 4300 may be thinned using Xylene at a maximum rate of one pint per gallon of mixed epoxy.

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

Use a Prime Resins steel 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.

Roll on vertical surfaces.

Fiberglass mesh may be used between coats to increase resistance to cracks in the concrete reflecting through.

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

- LIMITATIONS:** Minimum application temperature is 40° F (5° C) and rising.
Minimum age of concrete must be 28 days.
Coating will chalk and yellow under direct exposure to sunlight.
- 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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