



PRIME COAT 4100 COAL TAR

DESCRIPTION:

PRIME COAT 4100 is a two component, 100% solids, coal tar modified epoxy coating.

APPLICATIONS:

Coating concrete, metal, or wood
Lining sewer tanks and pipes
Secondary containment

ADVANTAGES:

Bonds Tenaciously
Excellent Chemical Resistance
Moisture Insensitive
Excellent Flexibility

PACKAGING:

3 Gallon Units
15 Gallon Units

PHYSICAL PROPERTIES AT 77° F (25° C)

MIX RATIO A:B

1:2 By Volume

VISCOSITY

3,300 c.p.s.

POT LIFE

100 gram mass

1 gallon mass

Tack Free (20 mils)

90° F (32° C)

15 min

11 min

1 hr

73° F (23° C)

31 min

21 min

5 hrs, 50 min

50° F (10° C)

1 hr, 10 min

1 hr

6 hrs, 45 min

COVERAGE

(20 mils)

80 square feet per gallon

TEST DATA (STRENGTHS REPORTED IN P.S.I.)TENSILE STRENGTH
TENSILE MOEASTM D-638
ASTM D-638450
412

ELONGATION

ASTM D-638

93%

IMPACT RESISTANCE

ASTM D-2794

125in/lb

PERMEABILITY RATING

ASTM D-96

0 Perms

SHORE HARDNESS

D SCALE

75

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, shotblasting, or some other mechanical means.

MIXING CONSIDERATIONS: Pre mix each component. Measure exactly 1 part "A" to 2 parts "B" by volume into a clean pail. Only mix the amount of material that can be used within the pot life. Mix epoxy for two minutes using a low speed drill with a mixing paddle (never mix by hand). Scrape the sides and bottom of the pail while mixing. Pour into a second clean pail and mix for an additional 60 seconds.

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

INSTALLING MATERIAL:

Material may be applied by brush, roller, or sprayed with an airless sprayer. Material should be applied in a two coat application at a rate of 80 square feet per gallon per coat (20 mils per coat). Prime Coat 4100 may be thinned out using Xylene at a rate of one pint per gallon of epoxy.

HORIZONTAL SURFACES - Pour mixed material onto concrete and pull out to desired millage using a notched squeegee and backroll with a high quality 3/8" nap roller.

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

Broadcast oven dried sand into first coat.

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 with light brush blasting or sand paper.

VERTICAL SURFACES - Roller apply or spray material at a rate of 80 square feet per gallon. Apply two coats minimum.

- LIMITATIONS:** Minimum application temperature is 40° F (15° C).
- 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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