



Prime Floor 4600 Lustre Bond

DESCRIPTION:

PRIME FLOOR 4600 is a two component, 100% solids, high gloss, epoxy flooring system.

USES:

Protective coating for concrete floors
High gloss base or seal coat for epoxy "color quartz" floors

ADVANTAGES:

No V.O.C's
High gloss retention
High compressive strengths
Excellent abrasion resistance
Excellent chemical resistance
Available in colors
USDA Approved

PACKAGING:

1.5 Gallon Units
3 Gallon Units
15 Gallon Units

PHYSICAL PROPERTIES AT 77° F (25° C)

MIX RATIO A:B	2:1 By Volume		
VISCOSITY	400 c.p.s.		
COLOR	Amber (Clear)		
POT LIFE	100 gram	1 gallon	20 mils
90° F (32° C)	29 min	22 min	4 hrs 25 min
73° F (23° C)	50 min	32 min	5 hrs 15 min
50° F (10° C)	1 hr 45 min	1 hr 40 min	25 hrs
COVERAGE (10 mils)	160 square feet per gallon		

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

COMPRESSIVE STRENGTH	ASTM D-695	7,700
COMPRESSIVE MOE	ASTM D-695	2.74 x 10 ⁵
TENSILE STRENGTH	ASTM D-638	5,600
TENSILE MOE	ASTM D-638	2.97 x 10 ⁵
ELONGATION	ASTM D-638	2.9%
SHORE HARDNESS	D SCALE	85
ABRASION RESISTANCE (CS 17 WHEEL, 1000 GRAM LOAD, 5,000 CYCLES)	ASTM D-4060	
WEIGHT LOSS		1.18 GRAMS

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. **Shot blasting is recommended.**

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:

FLOOR COATING - Material may be spray or roller applied. Prime Floor 4600 should be applied at a rate of 160 square feet per gallon. Two coats minimum are required.

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 with light brush blasting or sand paper.

"COLOR QUARTZ" COATING - Apply material to floor at a rate of 100-150 square feet per gallon with squeegee immediately after mixing is done. Back roll with a high quality roller. Apply color quartz by hand or spreading machine at a rate of ½ pound per square foot. Once the epoxy is cured, vacuum up excess color quartz and repeat the process. One or two seal coats may be applied at a rate of 120 square feet per gallon.

USE ONLY HIGH QUALITY ROLLER COVERS. WE RECOMMEND 3/8" MOHAIR NAP OR PRO DOO-Z.

LIMITATIONS:

Minimum application temperature is 40° F (5° C) and rising.
Minimum age of concrete must be 28 days.

STORAGE:

We recommend storage in a dry environment at temperatures between 40° to 90° F (4° to 32° C). Ideally, storage temperature should be at 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 defects 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 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 7:00 A.M. to 5:00 P.M. E.S.T.

TDS-4600-6/99



“Innovations in Infrastructure Repair Technology”

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