



PRIME BOND 3000 HIGH MOD

DESCRIPTION:

PRIME BOND 3000 HIGH MOD is a two component, 100% solids, general purpose epoxy bonding agent.

APPLICATIONS:

Bonding new "plastic" concrete to old concrete or steel.
Binder for epoxy mortar used to patch or overlay horizontal surfaces.
Grouting dowel bars, bolts, pins, etc...
Machinery base plate grout.

ADVANTAGES:

Super High Strengths
Moisture Insensitive
Excellent Bond Strengths
Medium Viscosity
Good Chemical Resistance
Easy 1:1 mix ratio
USDA Approved

CONFORMS TO:

ASTM C-881
Type I, II, IV and V
Grade 2
Class B & C

PACKAGING:

1 Quart Units
1 Gallon Units
2 Gallon Units
10 Gallon Units

PHYSICAL PROPERTIES AT 77° F (25° C)

MIX RATIO A:B	1:1 By Volume		
VISCOSITY	8,000 c.p.s.		
COLOR	Concrete Gray		
POT LIFE	100 gram	1/2 gallon	Tack Free (20 mils)
90° F (32° C)	32 min	22 min	4 hrs, 30 min
73° F (23° C)	42 min	36 min	5 hrs, 20 min
50° F (10° C)	2 hrs, 30 min	1 hr, 30 min	7 hrs, 20 min
COVERAGE	(Neat)	231 cubic inches per gallon / 80 square feet per gallon	
	(With 3 parts Prime Blend Sand)	0.37 cubic feet per gallon	

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

COMPRESSIVE STRENGTH	ASTM D-695	11,070
COMPRESSIVE MOE	ASTM D-638	3.70×10^5
TENSILE STRENGTH	ASTM D-638	3,480
TENSILE MOE	ASTM D-638	4.29×10^5
BOND STRENGTH	ASTM C-882	3,390 (2 day) 3,600 (14 day)
ELONGATION	ASTM D-638	1.2%
SHORE HARDNESS	D SCALE	86
HEAT DEFLECTION	ASTM D-648	120°F
WATER ABSORPTION	ASTM D-570	>0.1%

APPLICATION TECHNIQUES:

MATERIAL CONDITIONING: Pre-condition materials to 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 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. Use a 3/4 horsepower drill for mixing epoxy mortar.

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

INSTALLING MATERIAL:

BONDING NEW CONCRETE TO OLD CONCRETE: Apply neat material to surface by brush, roller, or spray. Pour new concrete while epoxy is still tacky. If Prime Bond 3000 loses its tackiness before concrete is poured, re-coat with fresh material.

EPOXY MORTAR: Prime the prepared surface with neat Prime Bond 3000. Add up to three parts oven dried aggregate (Prime Blend Sand). Place the mortar before the primer becomes tack free. Compact and finish the mortar with a trowel. Keep trowel clean using M.E.K. or Xylene.

GROUTING BOLTS AND ANCHOR BARS: For horizontal applications only. Hole size should be no more than 1/8" larger than bar or bolt. Clean all dust out of hole and grout with neat Prime Bond 3000.

GROUTING MACHINERY BASE PLATES: Add up to two parts oven dried aggregate (Prime Blend Sand) to one part Prime Bond 3000. Apply grout to base plate in 1-1/2" lifts up to 3/8" below the plate. Top off the grout with neat Prime Bond 3000.

- LIMITATIONS:** Do not use solvents to thin.
Do not alter mix ratio.
Minimum application temperature is 40° F (5° C).
Minimum age of concrete must be 28 days.
Use only oven dried aggregate to make mortar.
Forms a vapor barrier after cure.
- 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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