

IMPAX 6700

80% Solids High Build Acid Resistant Novolac Coating

TECHNICAL BULLETIN #1006-B

PRODUCT DESCRIPTION: IMPAX 6700 is a two component, high build, novolac epoxy coating intended as surface protection against severe chemical attack. Excellent adhesion and low viscosity ensures a tight bond to clean, sound concrete surface.

RECOMMENDED USES: IMPAX 6700 is designed for protection of concrete surfaces against severe chemical attack. Primary areas of use are around chemical storage tanks, and pumps as well as secondary containment floors and walls.

SURFACE PREPARATION: (For more detailed information, see Bulletin #994)

New Concrete: All surfaces must be firm, clean, dry and well cured before coating. Newly poured concrete must age at least 30 days at temperatures over 21°C (70°F) before coating. Form release agents, curing compounds, salts, hardeners and other foreign matter will interfere with adhesion and must be removed by sandblasting, shot blasting, mechanical scarification or suitable chemical means. If a curing membrane was not used, then proceed with a 16% muriatic acid etch at a rate of 7m²/3.7 liters (75 sq.ft./gal.)

Old Concrete: Coating older, uncoated concrete floors is done in much the same manner as new concrete. Before etching, the concrete surface must be thoroughly cleaned with a strong detergent cleaner to remove all grease, oils, etc. All loose concrete must be removed. Form release agents, hardeners, etc., must be removed using same procedure as for new concrete. Holes and cracks should be filled with IMPAX Crack Filler before application of a coating. If surface deterioration presents an unacceptably rough floor, IMPAX 5020 FLOOR RESURFACER is recommended to patch and resurface damaged concrete.

Previously Painted Surfaces: If the paint is peeling or degrading in any way, it should be completely removed by sanding, blasting or stripping. If previous paint coating is completely intact, the surface may be cleaned with a strong detergent or solvent and scuff sanded to remove the gloss. A spot test should be made by applying a small amount of coating over old paint. The old finish may wrinkle or lift within 60 minutes. If it does not, wait 5 days and test for adhesion. Do this by cutting an "X" into the coating, place tape firmly over the cut, then strip with a hard, fast pull. If the old finish fails, it must be removed.

RECOMMENDED SYSTEMS:

Concrete: 1st coat: IMPAX SCS Penetrating Primer
2nd coat: IMPAX 6700

Steel: 1st coat: IMPAX Rust Inhibitive Primer HS
2nd coat: IMPAX 6700

MIXING & APPLICATION

Do not mix material until all surfaces are completely prepared and ready to be coated. Mechanically mix each component thoroughly before mixing. Pour entire contents of the hardener into the slack filled resin can. Mix the two components using a Jiffy Blade model HS for two-gallon units for 3-4 minutes at 250 rpm. It is strongly recommended that only full units are used, that both components are thoroughly mixed, and that all material from the bottom and side of the container is mixed.

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MIXING & APPLICATION

Working out of a pan, or bucket with grid, apply the mixed material on the primed surface and spread out evenly to a DFT of 11-14 mils (14-18 mils WFT) with a 3/8" - 1/2" quality roller cover. Roll out any puddles. IMPAX 6700 can also be applied with airless spray equipment, such as Graco 30:1 unit @ 3,000 psi, .021" tip and 3/8" ID hose.

TECHNICAL INFORMATION

COLOR:	Gray
GLOSS:	Semi-Gloss
VOLUME SOLIDS:	80%
VOC:	Less than 0.95 lbs./gal (140 gms. /ltr.) (based on mixed components)
COVERAGE:	90-115-sq. ft./gal. @ 14-18 mils WFT (11-14 mils DFT)
PACKAGING:	Two-gallon unit Five gallon unit
APPLICATION TEMPERATURES:	55°F minimum to 100°F maximum * Must be 5°F above dew point
RELATIVE HUMIDITY:	85% maximum
SERVICEABILITY:	To Touch - 6 hrs. Recoat - 8 hrs. minimum @ 72°F (22°C) @ 50% RH Full Service* - 7 Days at 72°F (22°C) @ 50% RH * For 98% Sulfuric Acid full service time is 21 days @ 72°F (22°C) @ 50% RH
MIXING RATIO:	3:1 epoxy resin/hardener by volume
INDUCTION:	None
POT LIFE:	30 minutes @ 72°F
FLASH POINT:	84°F PMCC
VISCOSITY:	Heavy, brushable and rollable (4,000 - 6,000 cps)
REDUCER:	None recommended
SERVICE TEMPERATURE:	180°F (82°C) Dry Heat Resistance
SHELF LIFE:	18 months unopened at 50°F - 90°F
PRECAUTION:	Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated skin contact.

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