

# IMPAX<sup>®</sup> 2001 C.R.E. NOVOLAC EPOXY MARINE & INDUSTRIAL COATING

## TECHNICAL BULLETIN #1022-B

**PRODUCT DESCRIPTION:** A heavy duty, interior/exterior, two component novolac epoxy coating formulated for demanding marine and industrial requirements. Dries rapidly to a tough, semi gloss finish with excellent resistance to alkali, abrasion, corrosion and chemical attack. It meets USDA standards for maintenance protective coatings not in direct contact with food in federally inspected meat and poultry plants.

### RECOMMENDED USES:

- Heavy duty interior/exterior coating used on steel, concrete and wood surfaces
- Superior resistance to chemicals, moisture, abrasion and impact
- Abrasion and chemical resistant floor epoxy
- Also available as an antislip floor coating (three component product) See reverse.
- Excellent resistance to alkalis, acids, spillage of solvents and chemicals, jet fuel, grease, etc.

### 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 70°F (21°C) 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 (1 gal. [3.8 liters] 32% muriatic acid to 1 gal. (3.8 liters) water at a rate of 75 sq. ft. per gallon (1.8m<sup>2</sup>/liter).

**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 ITW REPAIR COMPOUND 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.

**Steel:** All surfaces must be dry, clean and free of all previous coatings, rust and surface contamination. Minimum surface preparation is abrasive blast to Commercial Grade SP-6. Blasted surfaces must be coated within 8 hours. Prior to blast cleaning, remove all deposits of oil or grease using Solvent Clean method SP-1.

**Wood:** A clean, sound wood surface is required. Remove any oils and dirt from the surface using degreasing solvent or strong detergent. Follow with sanding to remove loose or deteriorated surface wood and to obtain the proper surface profile.

**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/Wood:** 1st coat: IMPAX 2001 SERIES.EPOXY (FULL BODY) OR  
IMPAX Water Based Epoxy Primer Gray  
2nd coat: IMPAX 2001 H.S. EPOXY(with antislip aggregate if required)

**Steel:** 1st coat: IMPAX Rust Inhibitive Primer H.S.  
2nd coat: IMPAX 2001 H.S. Series (with antislip aggregate if required)

**Painted Surfaces  
in Sound Condition:** 1-2 coats: IMPAX 2001 Series

**IMPORTANT:** When coating previously painted surfaces, always apply test patch and examine for lifting and proper intercoat adhesion. If lifting occurs, remove old coating or apply an appropriate barrier coat.



## ITW PHILADELPHIA RESINS

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**MIXING & APPLICATION INSTRUCTIONS:** Premix both components before combining. Pour 1 part resin (pigmented) and 1 part hardener into a container and power mix for 2-3 minutes to insure that all pigment is completely dispersed. Prime coats are recommended to seal porous surfaces such as concrete and wood. The primer can be topcoated after 6 hrs. at 72° F. Antislip additive is mixed into the final coat just prior to application. When a rust inhibitive primer is required for iron or steel, a coat of IMPAX Rust Inhibitive Epoxy Primer H.S. is recommended. Application over rough surfaces will reduce coverage. IMPAX 2001 H.S. Series epoxy coating is easily sprayed, brushed or rolled. An 3/4" (18mm) pile roller is recommended for the final coat when an antislip aggregate is used. Recommended "airless spray equipment" includes Devilbiss JGA-Gun, Graco Golden Gun, etc., tip size -- .38mm to .53mm (0.015" to 0.021") @ approximately 2500 psi. Material cannot be sprayed if antislip aggregate is used. Clean all equipment with IMPAX IXT-59.

**IMPORTANT:** Additive of antislip aggregate produces only a light nonslip texture. Product should not be used in place of a nonskid finish when safety is a concern.

#### **TECHNICAL INFORMATION**

<b>COLORS:</b>	Haze Gray, Deck Gray, Sandstone, Tile Red, Safety Yellow
<b>GLOSS:</b>	Semi Gloss (60-75°)
<b>VOLUME SOLIDS:</b>	64%/Colors
<b>VOC:</b>	<2.8 lbs./gal. (based on mixed components)
<b>COVERAGE:</b>	250 to 300 sq.ft./gal. @ 3 to 4 mils DFT
<b>PACKAGING:</b>	2-gal. unit containing 1 gal. can epoxy resin, 1 gal. can hardener And 2.5oz. bag aggregate when an antislip coating is required.
<b>APPLICATION TEMPERATURES:</b>	55°F minimum to 100°F maximum *Must be 3°C (5°F) above dew point
<b>RELATIVE HUMIDITY:</b>	85% maximum
<b>SERVICEABILITY:</b>	Recoat: 8 hrs. minimum @ 72°F (22°C) @ 50% RH Foot traffic: 24 hrs. @ 72°F (22°C) @ 50% RH Full Service: 72 hrs. @ 72°F (22°C) @ 50% RH Full Cure: 5 - 7 days @ 72°F (22°C) @ 50% RH
<b>MIXING RATIO:</b>	1:1 equal parts epoxy resin/hardener
<b>INDUCTION:</b>	None
<b>POT LIFE:</b>	6 hrs. @ 72°F (22°C)
<b>FLASH POINT:</b>	80°F (27°C) TCC
<b>VISCOSITY:</b>	1000 cps.
<b>REDUCER:</b>	IMPAX IXT-59 (For clean up only)
<b>SERVICE TEMPERATURE:</b>	200°F (90°C) Dry Heat Resistance
<b>SHELF LIFE:</b>	12 months in closed container stored at 50°F to 90°F (10°C to 32°C)
<b>PRECAUTION:</b>	Flammable - Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated skin contact.

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