



6014 Nova Bar

Description: 100% Solids Industrial & Commercial High Chemical Resistance Epoxy Coating

6014 Nova Bar is 5:1 plural component, 100% solids, self-leveling multifunctional protective epoxy resin system specifically designed to have high chemical resistance in many caustic and corrosive environments. Nova Bar 6014 is highly adhesive, abrasion resistant and extremely tough providing very high quality corrosive protection for surfaces exposed to harsh chemical and physical conditions in everyday industrial applications.

Uses:

Floors & Corrosive Environments
Splash Zones & Corrosive Spill Areas
Primary & Secondary Containment
Steel Vessels, Concrete Tanks, Slabs & Processing Areas

Advantages

- ✚ Highly protective coating system
- ✚ Designed to seal floors against damaging

Properties

Solids	100% Shelf Life
1 year Mix Ratio	5:1
Tack Free ASTM D2471 25°C	2 hr. Cure 25°C
5 hr. V.O.C. Content – grms/ltr.	0
Shore D Hardness ASTM D2240	72
Impact Resistance (Direct/Rev.) (in-lb) ASTM D2794	20
Reverse Impact Resistance	10
Flexural Strength ASTM D790 psi	19,000
Compressive Strength ASTM D695 psi	18,000
Tensile Modulus ASTM D638	501 ksi
Tensile Strength ASTM D638 psi	9,000

Chemical Resistance

Immersion Time: 7 days @ 25°C & percent wt. change

Acetic Acid, 10%	<10
Lactic Acid, 10%	<5
Nitric Acid, 25%	<5
Sulfuric Acid, 36%	<5
Skydrol	<5
Brake Fluid	<5
Aromatic Solvents	<5
Gasoline	<5
Alcohols & Keytones/Esters	<5

Testing:

Clear film applied at 25°C to cold rolled steel panels at 3-5 mils DFT. Cured for 7 days at 25°C.

The low gloss of this system is due to its higher reactivity versus standard epoxy systems. 1/8" thick test casting prepared at 25°C cured for 7 days.

*Percent weight gain after 3 months immersion and 5 days recovery at 23°C. Note: Test the product on the area to be coated before making an application. Test against in-situ chemical exposure.

Preparation: Concrete must have a minimum 28 day cure prior to application. Remove any curing agent, form release materials, oils, wax, moisture or any material that may affect bonding. *Perform a Moisture Vapor Test before making the coating application on concrete. Clean by abrasive "brush-off" blast.

Provide rough profile minimum 2 mils. Review ASTM D4259 Abrading Concrete and ASTM F1869 Measuring Moisture Vapor Emission. Seal/repair all bug-holes, cracks and spalls, see ASTC data sheets on 830, 4034 and 3004 (joints). Use an ASTC primer over filled cracks and voids. Do not apply 6009 to floors that have not been properly repaired, treated and primed or that do not have a pH of 7-8.5. Remove all old coatings.

Thinning: Xylene, use sparingly for desired application result. Test before using on a large area.

Temperature Range: 35°F to 125°F (air and surface) and 5°F above dew point.

Packaging: Pre-measured kits 5 to 1 ratio. **Color:** Gray

Limitations: Concrete; Best results over 2 to 3 mil profile and vapor barrier as needed. Hot conditions: the product may set faster in hot conditions and slower in cold conditions. Keep out of direct sunlight and store the product kits on wood pallets at room temperature.

*Applicator shall wear protective clothing, goggles and NIOSH cartridge mask. Use positive air supply for confined spaces as required. This product is for use by professional applicators only. Wear Protective Clothing. Read MSDS before using this product. DOT/Flash Point – Non-flammable Liquid Classification. Warranty: See ASTC Polymers, Inc. Warranty data sheet. (8/10) Product data sheets subject to change without notice. © 2010 ASTC Polymers, Inc.