



## 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 and protect floors against damaging chemicals

### Properties

Solids	100%	Shelf Life
1 year Mix Ratio	5:1	
Tack Free ASTM D2471 25°C	4 to 6 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 6014 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.

**Mixing:** Use all of the components supplied with each kit, do not leave any materials out or change ratios. Mix using a 750 rpm drill motor and jiffy mixer. Mix for a minimum of 2 minutes.

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

**Application:** Application range; 45°F to 90°F and 5°F above dew point. Apply the product using a notched squeegee or similar squeegee to move the product over the application area. \*Hot surfaces may accelerate gel time of the product. Product should be back-rolled using a short nap roller, about 3/8". \*\*Apply in films from 10 mils 16 per coat. Recoat Time, apply a second coat as soon as the first coat can be walked on. If recoat window is exceeded, sand lightly to produce a profile, wipe with acetone and re-coat.

**Packaging:** 3 gallon kits & 15 gallon kits.

**Color:** Gray or clear

**Limitations:** 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. 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. Read MSDS before using this product. DOT/Flash Point – Non-flammable Liquid Classification