

## 6009 Nova♦Bar

**Description: 100% Solids Industrial & Commercial Epoxy Floor Coating**

Nova Bar 6009 is a 100% solids, advanced technology of diglycidyl ether of bisphenol-A resin reacted with a modified multiple ring cycloaliphatic amine adduct activator.

The resulting polymer structure is extremely tough, formulated with “Anti-Scratch” to increase wear resistance. Nova Bar 6009 exhibits very good chemical resistance to corrosive waters and various other chemicals and it is resistant to amine blush. The product is packaged in pre-measured 2:1kits.

Nova Bar is an attractive epoxy floor coating designed to provide penetration, wetting and sealing of substrates and surfaces for improved appearance and long term protection. It is formulated to be hard, durable, impact and abrasion resistant.

The primary use of 6009 is for industrial/commercial floor coatings for:

- **Mechanical/Industrial Production Work Areas**
- **Food, Fish & Meat Processing Floors**
- **Shops & Show Room and Commercial Floors**
- **Forklift Traffic Travel Ways**

### Advantages

- ✚ Formulated with “Anti-Scratch”
- ✚ Excellent wear resistance with Hard aggregate, i.e., Aluminum Oxide, Silica or Garnet added as a broadcast
- ✚ Protective attractive color coat epoxy flooring system
- ✚ Designed to seal floors against abrasion, water, oils and chemicals
- ✚ Good Color stability



\*Nova Bar 6009 used with a hard aggregate broadcast (*high grade silica & garnet sands, aluminum oxide fine grit*) bonds and holds the aggregate while filling in and around the aggregate particles. The anti-scratch properties of the 6009 are enhanced when used in symphony with such aggregates.

### Properties

Appearance	Clear or pigmented
Viscosity;	450 to 600 cps
Gel Time, 100g:	30 min to 1 hr.
Techne GT-3 Gelation Timer	
Thin Film Set Time:	4-7 hr. BK Drying Recorder Phase III
Hardness Shore D:	70 Din 53505
Compressive Strength, [MPa]	70
Compressive Modulus, [GPa]	2.0 ISO 604
Tensile Strength, [GPa]	52
Tensile Modulus, [GPa]	2.7 ISO 527
Flexural Strength, [MPa]	94
Flexural Modulus, [GPa]	2.1 ISO 178
Heat Distortion Temperature C 50 ASTM D648	
Carbamation Test (scale 1 to 5)	5



**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.

Shot-blast or grind the surface.

Provide rough profile minimum 2-3 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 for moisture vapor drive or that do not have a pH of 7-8.5. Remove all old coatings prior to the product application.

**Thinning:** Xylene or Acetone, 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. Store at room temperature and on wood pallets away from the cold.

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

**Pigment Colors:** Medium Gray, Clear, Tile Red,

**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. Wear protective clothing, goggles and NIOSH cartridge mask. This product is for use by professional applicators only. 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.

