

PolyTopIV™ 83% Solids Polyaspartic Coating

Product Description

PolyTopIV™ is a new, stand above all, two-component Polyaspartic Aliphatic Polyurea utilizing an innovative and proprietary development process. It's quick curing time provides unmatched labor saving capabilities above epoxies and polyurethanes. **PolyTopIV™** can be used for most types of broadcast systems. It's superior penetration and bonding strength can provide years of abrasion, impact, and wear resistance. **PolyTopIV™** yields chemical splash and spill resistance and hot tire pick-up resistance much better than epoxy counterparts. **PolyTopIV™** is intended to be used in conjunction with quartz, flake/chip, and rubberized aggregate broadcast systems as a single application, fast drying, self-grouting topcoat.

Features and Benefits

- Unmatched abrasion and chemical resistance compared to epoxy/urethane coatings
- Crystal clear appearance coupled with superior non-yellowing ability
- Massive labor savings compared to epoxy/urethane coatings systems
- REASONABLE WORKING TIME & 1:1 RATIO
- Unmatched topcoat performance over broadcasted systems
- The only true cold-weather coating for cooler floors or unheated warehouses
- Conforms with USDA Guidelines for food facilities, once cured

Recommended Applications

PolyTopIV™ is recommended for all new and existing concrete surfaces requiring a thick, clear, fast drying coating. Interior surfaces such as labs, halls, restrooms, food service, auto and aircraft repair facilities are all suitable for this coating. This product's intended use is top-coating/sealing full flake, quartz and rubber aggregate flooring systems as a self-grouting, single application, glossy topcoat.

Technical Data

Solids: 83%	Solvent Resistance: Excellent
Pot-Life: 60 minutes to gel (mass dependent), fast set once on the floor, 15 minutes	Finish: Gloss
VOC Level: <95 g/l	Appearance: Clear
Recoat time: 4-5 hours	Abrasion Resistance: Excellent
Foot Traffic: 3-4 hours	Concrete Adhesion: Excellent
Wheel Traffic: 24 hours	Application temp: 33-85 deg f.

Coverage Rates

130-140 sq ft per gallon (standard sealer coat over heavy flake/quartz floor)

Shelf-Life

PolyTopIV™ has a one year shelf life in an unopened container.

Packaging

2.0 gal units
Mix Ratio: 1:1

Instructions for Use

PREP: Before application the receiving surface must be deemed structurally and mechanically sound, clean, and dry. Proper surface preparation is required for decorative concrete, thin film flooring systems or sealer/finish coatings. This is best achieved with mechanical grinding machines using diamond heads achieving a final 50 to 120 grit profile. Recommended surface profile is SP 2. All receiving surfaces must be free of previous coatings, sealers, curing compounds, water repellants, laitance, efflorescence, oils, fats, grease, waxes, residues from cleaning compounds, non-visible soluble salts, and any other impediments to adhesion. The resulting surface must be a neutral pH 7. Always check for potential bond breakers. One method entails pouring a slight amount of water on the concrete in random areas. If the water is absorbed into the concrete and leaves it wet, the substrate is porous and thus acceptable. If water beads up, this indicates a bond breaker is still present and further surface preparation steps are necessary, such as additional mechanical grinding. The rising moisture vapor emission rate must not exceed 3 pounds per 1,000 square feet (3 lb/1,000 ft²) over a 24-hour period as measured by the calcium chloride test method, ASTM F 1869. The relative humidity in the slab must not exceed 80 percent.

MIXING: Mix "Part A" 1 part to "Part B" 1 part by volume using a clean, dry, working bucket. **DO NOT BREAK DOWN KITS.** Stir gently using a mechanical stirrer, avoiding over-mixing or creating a vortex that would introduce moisture. Do not mix at or below the dew point, which will shorten the pot life. Hot weather will make the catalyzation accelerate, keep components cool in hot weather to avoid issues. No induction time is required prior to use. If Soft-Skid non-skid additive is to be incorporated do so after thorough mixing of "A" and "B".

APPLICATION: Apply using flat squeegee and roller. The roller must be an industrial grade, phenolic -resin core with a synthetic nap $\frac{3}{8}$ inch nap, 9" or 18" width. Immediately following mixing; pour product, in a ribbon, onto floor. Using squeegee, pull the material over the flake/quartz aggregate. Once material has been pulled back, immediately back-roll using roller. The squeegee operator and the back-roll operator should work in tandem, keeping up with one another. Always use good air ventilation to remove evaporating solvents in enclosed areas. This product is not recommended for application using spray atomization. Persons new to this product should pay attention to working time. Follow all safety and personal protection advice, listed on the product can. SDS is available upon request.

NOTE: THIS PRODUCT IS A PROFESSIONAL USE PRODUCT AND IS NOT INTENDED FOR THOSE NEW OR FIRST TIME TO RESIN COATING APPLICATIONS. CONSULT FOR MORE INFORMATION REGARDING PROPER USE!

Clean-Up

Only Xylol, Xylene or MEK- do not use alcohol based cleaners/thinners.

Product Removal

This product cannot be removed by any stripper. It can only be removed using mechanical means.

Precautions and Limitations

Restrict the use of the floor to wheeled traffic and non-harsh chemicals after 24 hours has passed. Keep the floor dry for this period. Always test cleaners prior to use. Polyaspartic aliphatic polyurea products contain chemical ingredients that are considered hazardous. Read the container label warning and Material Safety Data Sheet for important health and safety information prior to use for details on the safe handling and use of these products.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our product is manufactured to the specifications as stated her or in other publications. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Any use or application other than recommended herein is the sole responsibility of the user. Uncured epoxy resins, polymers and their curing agents may be **ALKALINE, TOXIC or BOTH**, depending on the particular system. They may cause **ALLERGIC REACTIONS or HYPERSENSITIVITY REACTIONS.** **BEFORE USING any material, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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