

## Polyaspartic PATC™ TopCoat

TDS  
TECHNICAL DATA SHEET

by InduraFloor – ENGINEERED TO LAST A LIFETIME

**Polyaspartic PATC™ TopCoat** provides ultimate versatility. With just the right blend of physical properties in hardness, tensile & tear strength, elongation and an unrivaled UV protection, Polyaspartic PATC™ protects substrate and designer surface from the most adverse conditions. Its properties combined with its exceptionally fast dry- and cure time make Polyaspartic PATC™ TopCoat by InduraFloor an exceptionally durable, two-component, polyaspartic coating. With extensive inherent chemical resistance to a broad range of corrosive chemicals and outstanding abrasion resistance, ZERO VOC, and its design to provide exceptional adhesion to epoxy primers, Polyaspartic PATC™ TopCoat protects surfaces like no other. Its UV-protection ensures a complete color-fast fine finished look. It is an impermeable coating formulated to be applied directly over a variety of Primers or mid-coats or to be used as a standalone coating, as UV Protectant or to create a No-Skid-Grit™ fine finished look that is designed to last.

### PRODUCT TECHNICAL DATA

#### Extraordinary Properties

- Exceptional adhesion to a broad range of surfaces and substrates
- Excellent resistance to corrosive chemicals
- Outstanding abrasion resistance
- Compliant with USDA and health department regulations for commercial kitchens
- Compliant with EU 10/2011 and FDA 21 CFR 175.300

#### Unique Advantages

- Zero VOC
- low odor
- Unique self-leveling properties
- Cures in presence of moisture and water
- 2-4 hours for light foot traffic. No loss of commercial activity.
- Full cure in 3 days

#### Applications

- ◇ Over any primer, existing concrete slab or other substrate
- ◇ As application in commercial kitchens
- ◇ Developed for commercial, industrial and residential settings
- ◇ To provide UV-protection for color-fast fine finished look of designer coat

#### Area Coverage

A 2-gallon kit (1 gallon part A and 1 gallon part B) will cover 700 square feet on a flat even surface at 10 mils.

#### Packaging

Polyaspartic PATC™ TopCoat is available in the following units:

- ◇ 2-gallon kit (1-gallon part A and 1-gallon part B) in 3-gallon black pail – red lid
- ◇ 6-gallon kit (3-gallon part A and 3-gallon part B) in two pails: one 3-gallon black pail with white lid (part A) and one 3-gallon black pail with black lid (part B). Both 3-gallon pails come with pour spout in the lid

#### Processing Characteristics

- Tack free dry time: 60-80 minutes.
- Subsequent coat can be applied in 1.5 hours.
- Recoat window: 24 hours. After 24 hours, you must perform the following procedure prior to recoating:  
Light acetone wetting. Acetone wetting eliminates dust and "opens" the Polyaspartic PATC™ TopCoat up to allow for maximum adhesion.
- Polyaspartic PATC™ Topcoat's primary purpose is superior protection of the surface, primer, or designer coat underneath, and give a fine finished color fast look by providing exceptional UV protection. Proper Application will result in a color-fast fine finished look and a shore D hardness of 92.
- Do not dilute.

| PHYSICAL PROPERTIES       | TEST METHOD | RESULT          |                    |
|---------------------------|-------------|-----------------|--------------------|
|                           |             | TYPICAL PRODUCT | Polyaspartic PATC™ |
| TENSILE ADHESION STRENGTH | ASTM D4541  | >410 psi        | >900 psi           |
| TENSILE STRENGTH          | ASTM D638   | 3,900 psi       | 8,100 psi          |
| ULTIMATE ELONGATION       | ASTM D412   | 2.4%            | 5.2%               |
| COMPRESSION STRENGTH      | ASTM D695   | >10,000 psi     | >18,000 psi        |
| GLOSS INDEX               | ASTM D523   | >70 at 60°      | 90+                |
| VISCOSITY                 | ASTM D445   | 450             | 300 cP             |
| ABRASION RESISTANCE       | ASTM D4060  | 50 mg loss      | 48 mg loss         |
| SHORE D HARDNESS          | ASTM D2240  | 80              | 92                 |

| WORKING PROPERTIES | RESULT          |                    |
|--------------------|-----------------|--------------------|
|                    | TYPICAL PRODUCT | Polyaspartic PATC™ |
| SHELF LIFE         | 6 months        | 1 year             |
| WORKING TIME       | 15-20 min       | 40-50 min          |
| POT LIFE           | 20-30 min       | 40 - 60 min        |
| RE-COAT TIME (MIN) | 20 - 30 min     | 45 - 60 min        |
| RE-COAT TIME (MAX) | 90 min          | 24 hrs.            |
| FULL CURE          | 24 hrs.         | 72 hours           |

#### Adhesion Performance and Penetration during Hydrostatic Pressure Testing

Loss of adhesion at 50 lbs. of applied hydrostatic pressure: 0 (zero)  
Moisture wicking at 50psi

#### Working Temperature

Optimal application temperatures generally are between 60°F and 80°F (15.5°C and 27°C). This is for both ambient and surface temperatures. Outside this temperature range dry times will become exponentially longer. Applications outside this range, even below 41 °F, are achievable. Consult InduraFloor for the specific application methods required for extreme temperatures.

## Polyaspartic PATC™ TopCoat

TDS  
TECHNICAL DATA SHEET

### Product Technical Data Cont'd

#### Shelf Life and Storage

1 year unopened under good storage conditions. Store locked up and out of reach of children. Do not store in direct sunlight. Do not expose to freezing temperatures. Store in upright position. Store in accordance with local regulations. Store in original containers in a dry, cool and well-ventilated area between 60°F and 80°F. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright.

### APPLICATION INSTRUCTIONS

*Our product is unique, and MUST be handled accordingly. Failure to follow the application instructions will void the warranty. Please consult InduraFloor directly for additional information or to discuss specific application questions.*

- Surface.** IF APPLIED DIRECTLY TO UNCOATED SURFACE AS FIRST COAT: Prepare the surface. Dry sweep and remove loose debris. Clean water wipe and wash down if required. Dry as needed. Use of leaf blower or floor blower fan is recommended. Follow with acetone wetting. Mist acetone on the substrate with solvent resistant sprayer. Acetone treatment is needed to maximize the performance of the product's adhesive capabilities, to ensure maximum adhesion and to guarantee it does not delaminate. Note: Acetone removes oils, contaminants and dust debris from both the surface as well as from within the pores of the substrate.  
IF APPLIED AS TOP COAT : Check the application instruction sheet and Data Sheets of your Primer or MidCoat and ensure you know when you can start applying the TopCoat ("recoat time" and "tack free dry time" and "subsequent coat application time") and know the product limitations of this product and the previously applied coats ("pot time" and "recoat max time").
- Mix.** If adding color, add color to Part A first. Then mix Part A with Part B on a 1:1 ratio. Mix manually using a stir stick. Mix gently until both parts and color are blended (6 to 10 turns). Do NOT overmix and mix slowly. Mix thoroughly until both parts are blended. When using 9" rollers, a 5-gallon pail is compatible. Place the container on a pail dolly for mobility. *Paint Tray system or 18" roller can be used.*
- Induction Period.** PATC has NO induction period. After mixing, immediately move on to application.
- Application.** Standard Industry application techniques may be used. However, InduraFloor recommends the following Application Method. Following the described method will ensure an evenly applied product and thus a flat, even surface. Apply Polyaspartic PATC™ TopCoat by dipping the roller into the bucket and removing excess material from the roller and then applying the PATC onto the working surface. MUST use ¼" short nap roller (a "Wooster Brush R207-\* Mohair Blend Roller Cover ¼" NAP" from Home Depot or equivalent). Use the roller to apply at a film thickness of 10 mils. When rolled out, Polyaspartic PATC™ TopCoat will have a high-gloss appearance.
- Dry Time.** Allow the TopCoat to dry fully before applying subsequent coat. The approximate tack free dry time is 60 to 80 minutes. Dry time can be as little as 40 minutes if backrolled extensively but can take as long as 4-6 hours if applied heavier than 10 mils. at 75°F (24°C) and 50% relative humidity. If tipping off, proceed IMMEDIATELY after completing the surface. Do NOT wait until surface is fully dry. For tipping off: change sleeve from Standard to Specialty Roller. If you are adjusting the texture of your surface with Non-Skid-Grit™ (not included with PATC: order separately), wait until the TopCoat is fully dry, then follow the grit instructions.
- Clean up.** Use acetone for all tools and surfaces.

#### Disclaimer

This information is presented herein was believed by InduraFloor to be accurate at the time of preparation, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by InduraFloor are subject to InduraFloor's terms and conditions. InduraFloor makes no warranty, express or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by InduraFloor except that the product shall conform to InduraFloor's specifications.