

Polyaspartic PATC™ TopCoat

PDS
PRODUCT 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.

Polyaspartic PATC™ TopCoat is engineered to provide an exceptionally durable protective coating for interior and exterior surfaces. Polyaspartic PATC™ protects surfaces from degradation due to spillage, wear and UV exposure. Its inherent chemical resistant and UV-protectant properties offer superior resistance to abrasion and damage from impact and ensure designer finishes remain color-fast. Polyaspartic PATC™'s industry-leading self-leveling qualities ensure an exceptional coating, every time.

- ⊗ UV breaks down most coatings, causing yellowing of surfaces exposed to sunlight
- ⊗ The industry's leading products have shore hardness not exceeding 89, which is insufficient for most commercial settings.
- ⊗ Insufficiently low viscosity to provide a lasting bond with substrate or mid coats



- ✓ Polyaspartic PATC™ Topcoat offers unsurpassed UV protection, ensuring durable color fast results.
- ✓ Polyaspartic PATC™ Topcoat has a shore hardness of 92. Its outstanding impact and abrasion resistance however does not affect its flexibility.
- ✓ Very low viscosity-equivalent to water-which gives it outstanding wetting (bonding) ability to epoxy, concrete and more

Unique Advantages

Zero VOC, low odor
Exceptionally durable
Complies with USDA for commercial kitchens
Self-Leveling

Extraordinary Properties

High UV-resistance
Hot-tire resistance exceeding solvent-borne coatings.
Extensive inherent chemical resistance
Low viscosity with outstanding wetting ability

Applications

No machines needed, stir-stick only
Use on any horizontal or vertical surface
For interior and exterior use
For commercial, industrial and residential settings

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

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.

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

Adhesion Performance and Penetration during Hydrostatic Pressure Testing

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

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Packaging Shelf Life and Storage

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.

Polyaspartic PATC™ can be stored 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.

Processing Characteristics

Tack free dry time: 60-80 minutes

Subsequent coat can be applied after 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™ 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.

Application

For complete application instructions, refer to the Technical Data Sheet and Application Instructions. Read all documents before application. Our product is unique and MUST be handled accordingly. Failure to follow all application instructions completely will void the warranty. Please consult InduraFloor directly for additional information or to discuss specific application questions.

For optimum performance, product must be stored between 60°F and 80°F (15.5°C and 27°C). Surface and ambient temperature for application must be between 60°F and 80°F (15.5°C and 27°C).

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"). 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. PATC has NO induction period. After mixing, immediately move on to application.

When using 9" rollers, a 5-gallon pail is compatible. Standard Industry application techniques may be used. However, InduraFloor recommends the following Application Method. Dip the roller into the bucket, remove excess material from the roller and apply the PATC onto the working surface. MUST use ¾" short nap roller. Use the roller to apply at a film thickness of 10 mils. When rolled out, Polyaspartic PATC™ TopCoat will have a high-gloss appearance. Allow the TopCoat to dry fully before applying subsequent coat. The approximate tack free dry time is 60 to 80 minutes. 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 using acetone for all tools and surfaces.

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 us for the specific application methods required for extreme temperatures.

Safety and Handling

Do not handle until all safety precautions have been read and understood and until all application instructions have been read and understood. The complete safety and handling instructions are in the Safety Data Sheet and Technical Data Sheet. Wear protective gloves. Wear eye or face protection. Wear protective clothing and wash hands thoroughly after handling. Avoid release of product into the environment.

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. Safety information provided is generated for the purpose of distributing known health, safety and environmental information and is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification.