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Polyaspartic 85

Polyaspartic Top Coat

Product Description

Ameripolish Polyaspartic 85 is a two-part, high-solids polyaspartic coating engineered for superior gloss, UV stability (non-yellowing), elevated heat tolerance, and robust chemical protection. This advanced formulation delivers an optimal combination of working time, hardening duration, rapid return-to-use, and resistance to chemicals. It serves as a transparent or colored high-sheen topcoat for decorative and commercial resin-based floor systems, such as flake broadcasts, aggregate embeds, graphic overlays, and anti-skid finishes (when additives are incorporated).

Features

- Pot Life - 30-45 minutes
- Ample working duration
- Exceptional "Self-Healing" Ability during application
- Dry-to-touch in 1 hour (77° F with 40%-50% relative humidity)
- Hard dry time in 4 hours (77° F with 40%-50% relative humidity)
- Tensile Strength >3900 PSI (ASTM D 412)
- Shore D Hardness
- Complies with ADA standards (friction coefficient exceeding 0.6)
- Superior Bonding Strength
- Exceptional resistance to chemicals
- Simple Upkeep
- Broad temperature range for application

Dilution & Coverage

Ameripolish® Polyaspartic 85 is shipped in a 1:1 PArt A & Paart B ratio and should not be mixed with any other chemical.

Approximate coverage rate is 125-250 sqft per gallon, per coat depending on the porosity of concrete or other surfaces. Typically applied for 6-12 mils thickness. Single coats up to 15 mils are viable but prolonged hardening is required for load-bearing readiness. Avoid surpassing 15 mils to prevent micro-voids causing opacity.

Product Specification

Application:	Guage-Rake & Backroll
Appearance:	Clear/Amber Part A & B
VOC:	Compliant 55.12g/l
Shelf life:	1 year
Carrier:	Solvent-Based

Packaging Specification

Product #	Shipping Wt.	Container
POLY85KIT-2	20 lbs.	2 gallon kit
POLY85KIT-10	50 lbs.	10 gallon kit

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Preparation

The area must be devoid of soil, coatings, sealants, or contaminants, and protected from moisture buildup or water exposure during placement and setting. Mechanical abrasion via diamond tools is advised. All movement and isolation joints should be mirrored with suitable separators in the overlay. Ambient humidity levels below 60% are ideal for maximizing usability and handling time.

Application - Top Coat

1. Note: Consult the comprehensive blending and placement guide for specifics. Ameripolish Polyaspartic 85 consists of two components (equal volumes of Part A and Part B).
2. Introduce Part B into Part A during agitation with a low-speed drill mixer (e.g., Jiffy type). Blend until uniform (about 30-45 seconds), ensuring to scrape container walls and base to eliminate unmixed residues.
3. Avoid excessive aeration, which could cause voids or bubbles. Limit mixing to quantities usable within 10 minutes at 50% RH (higher humidity shortens this window).
4. Viscosity rises post-mixing, doubling in 10-15 minutes; ensure material is spread by then.
5. Dispense onto the surface and distribute using a 3/8" nap, premium, shed-resistant roller at 200-250 sq ft/gallon. As an option, pour in strips and level with a flat blade or serrated spreader based on desired depth.
6. Standard thickness is 6-12 mils (125-250 sq ft/gallon). Promptly back-roll lightly with a 3/8" nap roller without overworking to prevent air entrapment. Complete the process, including overlapping batches, in under 10 minutes.
7. Key tip for clear applications over pigmented aggregates or flakes: Keep a generous bead of material along the advancing edge and merge new batches into it to avoid seam visibility.
8. Up to 10% diluent which can be incorporated during mixing to reduce thickness and extend usability. At 75°F and 50% RH, it becomes touch-dry in 1-2 hours.
9. Permit tack-free state before recoating. Foot traffic is feasible after 2-4 hours, rolling equipment or wet cleaning after 8-12 hours, and vehicular loads after 24-48 hours. Thicker layers need extended curing for full durability under intense use. It achieves high stain and hot tire resistance post-48 hours.

Humidity Considerations

Moisture vapor emission limits for Ameripolish Polyaspartic 85 are 3 lbs/1,000 sq ft/24 hrs via calcium chloride method (ASTM F1869). Surface dampness should not exceed 4% per impedance testing (ASTM E1907). If thresholds are breached, substrate priming may be required. Consult an Ameripolish specialist for suitable moisture barrier selection.

Cleanup

Wash skin using soap and water.

Storage

- Store upright in safe dry place at 40-110F° (4 -43C°)
- Keep product from freezing
- Keep out of reach of children
- Seal container after use
- Do not mix with other chemicals

VOC Compliance

In addition, Ameripolish® Polyaspartic 85 offers VOC compliance with low VOC at 55.12g/L for Part A & Part B is Exempt; and is also compliant with national, state and district regulations:

*Before application, verify product conformance with local and state codes.

Warning & Safety Information

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. BEFORE USING THIS PRODUCT PLEASE READ THE SAFETY DATA SHEET IN ITS ENTIRETY! Safety Data Sheets (SDS) can be found online at www.ameripolish.com or upon request by contacting Ameripolish at 1-800-592-9320.

Warranty

The information contained herein is believed to be reliable. This information is based on laboratory testing and results. Because of variations in methods, conditions and equipment, each

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user must test this product to make a judgment of performance. Applicator is responsible for testing material for effectiveness and performance. Manufacturer obligation is limited to the refund of purchase price or replacement of material if proven to be defective. Claims must be made in writing and received within one year from date of product sale to original buyer. Sole remedy shall be replacement of product proven defective.