

Category > Strengthen

3D HS

Hybrid Silicate Densifier



Product Description

Ameripolish® 3D (3 densifiers in one product) Hybrid Silicate Densifier improves surface performance and resists the harmful effect of traffic wear and weathering. By having 3 different size molecule silicates this product fully penetrates varying densities of concrete regardless of region or hardness. This improves the abrasion resistance for new or aged concrete. 3D HS is ideal for use on exposed and polished concrete, as well as cements with integral color.

Features

- Ideal for new construction, existing concrete, and diamond pad burnishing-only specs
- Hardens deep within the slab to improve durability even after grinding
- Contains UV stabilizers to help protect color from fading
- Enhances polished color, gloss, and clarity
- Contains stain-resistant chemicals to help prevent penetration of stains
- Minimizes dust for healthier indoor air quality
- Provides superior stain resistance especially when combined with SR^{2™} Sealer
- Odorless, non-flammable, VOC Compliant
- Helps reduce efflorescence and alkali silica reaction (ASR)

Uses

Ameripolish® 3D HS can be used by itself or with Ameripolish® dyes and stain protectors.

- Harden concrete surfaces
- Prepares surface for high gloss diamond polishing
- Locks in dyes for longer lasting color
- Improves resistance to staining
- Improves scratch resistance
- Extends Ameripolish® SR^{2™} coverage rates

Dilution & Coverage

Ameripolish® 3D HS is shipped ready to use (RTU) and should not be mixed with other products. Ameripolish® 3D HS covers 600-800ft² depending on concrete porosity.

Application (Polished Concrete Method)

Product Specification

Application:	Spray and Ameripolish® Microfiber Pad
Appearance:	Milky liquid
VOC:	Compliant (1g/l)
Shelf life:	1 year
Solvent:	Water-Based

Packaging Specification

Product #	Shipping Wt.	Container
3DHS-5	48 lbs.	5 gallons RTU
3DHS-30	291 lbs.	30 gallons RTU
3DHS-55	531 lbs.	55 gallons RTU
3DHS-250	2,445 lbs.	250 gallons RTU



Category > Strengthen

3D HS

Hybrid Silicate Densifier



1. Perform main grind using up to 200-grit resin or equivalent resin bond diamond.
2. Remove all dust and debris using an automatic floor scrubber and fresh water. Allow time to dry.
3. Spray 3D HS with overlapping circular motion. Lightly use pad applicator fitted with Ameripolish® Microfiber Pad to spread evenly on surface. Product does not need vigorous scrubbing-in and will not form a gel. As product is absorbed into surface, apply additional product as needed until floor starts to reject the product. Keep floor wet for 15 minutes, spreading with mop to avoid puddles. Allow time to dry.
4. Grind up to a 400-resin bond diamond or equivalent.
5. Apply additional light application (optional) using Ameripolish® Microfiber Pad.
6. Clean tools and equipment with fresh water before product dries. Overspray and unprotected surfaces should be immediately washed off with fresh water. Allow time to dry.
7. Polish to the desired grit level.
8. Apply Ameripolish® SR²™ or 3D SP™ following manufacturer's instructions to complete protection and enhance appearance.
9. Surface should be cleaned regularly using an automatic floor scrubber with Ameripolish® Rejuvenating Cleaner Concentrate, mixed with water according to manufacturer's directions.

Application (High Speed Burnisher Method)

1. Auto scrub with clean water.
2. Apply first application of densifier while maintaining wet edge.
3. Spread evenly with Ameripolish® Microfiber Pad and allow time to dry.
4. High speed burnish with an 800-grit diamond impregnated pad.
5. Apply second application of densifier.
6. High speed burnish with a 1500-grit diamond impregnated pad.
7. Apply Ameripolish® SR²™ or 3D SP™ following manufacturer's instructions to complete protection and enhance appearance.
8. Surface should be cleaned regularly using an automatic floor scrubber with Ameripolish® Rejuvenating Cleaner, mixed with water according to manufacturer's directions.

Cleanup

Ameripolish® 3D HS washes up quickly with soap and water.

Storage

- Store upright in safe dry place at 40-105F^o (4 -41C^o)
- 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® 3D HS offers VOC compliance with low VOC at 1 g/L and is also compliant with national, state, and district regulations:

- US Environmental Protection Agency
- California Air Resources Board SCM Districts*
- South Coast Air Quality Management District*
- Maricopa County, AZ
- Northeast Ozone Transport Commission

*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.

SURFACES MUST BE CLEAN AND DRY BEFORE APPLICATION OF THE DYE. NEW SLABS MUST HAVE CURED FOR AT LEAST 28 DAYS BEFORE APPLICATION. For best results perform a moisture content test on both newly-poured and existing slabs. Slabs with a moisture content of 5 lbs per foot or less show best performance (calcium chloride test per ASTM F1869.) High moisture levels may affect performance of color. Do not apply if concrete is frozen, dirty, or has standing water. Test surface absorbency with a light water spray – concrete surface should wet uniformly. If concrete does not wet uniformly, remove any surface contaminants with appropriate cleaning treatment or mechanical process.

Category > Strengthen

3D HS

Hybrid Silicate Densifier



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 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.