

Category > Strengthen

Eco-Hard MS

Mono Silicate Densifier

Product Description

Ameripolish® Eco-Hard MS Mono-silicate Densifier improves surface performance and resists the harmful effects of traffic wear and weathering. Ameripolish® Eco-Hard MS dust proofs, hardens, and cures the targeted surface in order to protect against dusting, pitting, spalling, and efflorescence that can be seen on untreated concrete. Ameripolish® Eco-Hard MS is odorless, colorless, and non-toxic.

Features

- Ideal for new construction, existing concrete, and burnishing-only specs
- Minimizes dust for healthier indoor air quality
- Odorless, non-flammable, VOC Compliant
- Helps reduce efflorescence and alkali silica reaction (ASR)
- Contains 30% Solids

Uses

Ameripolish® Eco-Hard MS 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
- Dust proofs, hardens, and cures surface

Dilution & Coverage

Ameripolish® Eco-Hard MS is a Ready to Use (RTU) product and should not be mixed with any other product. Covers approximately 250-300 sqft per gallon.

Application (New or Existing Concrete)

For Preparation:

Sweep, scrub, or strip the concrete using Ameripolish® Strip and Clean to remove any surface contamination or film. Product must be able to penetrate the surface without error.

Product Specification

Application:	Spray and Scrub
Appearance:	Milky liquid
VOC:	Compliant (0g/l)
Shelf life:	1 year
Solvent:	Water-Based

Packaging Specification

Product #	Shipping Wt.	Container
ECOMS-55	531 lbs.	55 gallons RTU
ECOMS-250	2,445 lbs.	250 gallons RTU



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1. Immediately following the power troweling operation, and as soon as the slab is ready to walk on, saturate the surface with Ameripolish® Eco-Hard MS using a low pressure sprayer. Eco-Hard MS may also be applied by pouring it directly on the surface and spreading it evenly with a soft bristle broom. Enough material must be on the surface to allow the Eco-Hard MS to thoroughly soak in. This is often referred to as the flood coat.
2. Once the “Flood Coat” has been achieved, agitate the Eco-Hard MS with soft bristle brooms in order to break surface tension and aid its penetration.
3. Keep the surface wet for a minimum of 30 minutes.
4. Wait for the Eco-Hard MS to become slippery and gel -like under foot. Depending on temperature this may take longer in cool conditions or shorter in warm conditions. In warm conditions keep the surface wet for at least 15-20 minutes before becoming slippery.
5. No spot on the slab should be allowed to become dry during the soak-in period. It is best to soak more absorbent spots by either brooming excess Eco-Hard MS onto them, or applying additional product with a low pressure sprayer.
6. Immediately after the Eco-Hard MS becomes slippery, lightly mist the surface with water. This can be done with either a low-pressure sprayer or with a hose and nozzle. This will help resolubilize the Eco-Hard MS so that it is no longer slippery and gel-like.
7. Agitate the floor with a broom to aid the Eco-Hard MS with penetration.
8. Wait for the Eco-Hard MS to become slippery and gel-like again.
9. Thoroughly flush the surface with water, while agitating the surface with brooms to remove excess product.
10. Thoroughly squeegee the slab dry by using a vacuum or push squeegee. During the squeegee process, there may be some slippery spots, indicating excess Eco-Hard MS is still on the surface and should be re-flushed, scrubbed, and squeegeed.

Cleanup

Ameripolish® Eco-Hard MS washes up quickly with soap and water.

Storage

- Store upright in safe dry place at 40-105F° (4 -41C°)
- 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® Eco-Hard MS offers VOC compliance with low VOC at 0 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.