

ENDURA HARD PLUS

Product Description

Silicrete Systems ENDURA HARD PLUS is a non-film forming, low VOC, OC, hydrophobic treatment applied to new concrete during the placement and finishing process. This product is a hydrophobic fixative and is the second of three products, that when used together as part of a process, will result in a refined and subsurface sealed slab. It penetrates and cross-links with ENDURA CONTROL quickly, producing a higher level of initial hardness with minimal downtime.

Primary Applications

- Decorative Concrete
- Concrete that will receive a covering
- Polished Concrete
- Institutional Facilities
- Retail Showroom
- Industrial Floor Slabs

Features & Benefits

- Cross-links with Silicrete Systems Endura Control to a depth of .5 inches (13 mm)
- Excellent water repellence
- Enhances and protects stained, integral color and dyed decorative surfaces
- Superior hardness increases life expectancy of the concrete surface
- Preserves natural look of concrete
- Reduces alkalinity efflorescence

Technical Information

Color/Odor..... Fragrant smell/dark blue

pH Level..... 11.6

Evaporation Rate..... > 1.0

Vapor Pressure..... > 2.2 torr @ 68° F (20°)

Vapor Density (air = 1) > 1

Wheel Traffic.....6-10 hours

Drying Time.....1 hour@ 70°, 77% RH

Foot Traffic.....1 hour

VOC Content < 50g/L

- Drying time will take longer if concrete or air temperature is low and/or relative humidity is high

Specifications/Compliance

- ASTM E 96-10, ASTM C 944 • ASTM C 779
- ASTM C 1583 • USDA Compliant, FDA Approved

Packaging

Pail – 5 Gallon (18.9 Liters)

Drum – 55 Gallons (208 Liters)

Storage Instructions

Do not break seal until product is ready for use. Maintain unused product in the original container. Do not allow Endura Stop to freeze. Store in a well ventilated, cool, dry location and maintain temperatures between 40° – 100°F (4°– 38°C). This product has a shelf life of 18 months in its original unopened container.

Coverage

Application Rate 300 sq ft per gallon (28m²/L)

Applications Required 1

DIRECTIONS FOR USE

Silicrete Systems is a process using three separate products: Stage 1, Stage 2 and, Stage 3. The products used together attain the desired results.

Endura Hard Plus is designed for use after all mechanical troweling stages of the concrete are complete.

Ready to use and requires no blending or dilution. Mild agitation is recommended before usage.

Application: Using a HIGH-VOLUME, LOW-PRESSURE, manual or commercial grade sprayer, apply the product uniformly onto the slab surface at a rate of 300 sq ft per gallon (28 m²/L) as soon as power troweling of the surface has been completed. Work the product into the surface using a clean foxtail broom and keep the surface wet with product for a minimum of 30 minutes. Apply additional product as needed to maintain surface saturation.

Allow the product to air dry.

Clean-Up

Clean sprayers with warm, soapy water following use.

- Incompatible with strong oxidizers and strong acids
- The Silicrete Systems process requires three separate products for best results.
- Do not allow the product to freeze. Store between 40° - 100°F (4° - 38°C)
- Do not dilute or blend with other products.
- Consult MSDS before use.

