



STARSEAL® EF HARDNER 204

WATER WHITE SILICATE BASED HARDENING COMPOUND • ECO-FRIENDLY

DESCRIPTION

STARSEAL EF HARDNER 204 is a water white silicate based solution that produces chemical hardening of concrete surfaces. It is formulated with proprietary additives to encourage maximum penetration and to minimize dusting.

BENEFITS

- Provides for complete development of concrete's wear resistance and strength properties
- Reduces dusting
- Allows for bonding of all finishes
- Rehabilitates old worn floors, platforms, etc., by chemically reacting to provide a hard and usable surface
- Meets requirements of Federal Specification CE-204
- Economical

APPLICATION

- Apply StarSeal EF Hardner 204 to cured concrete.
- Do not add thinner or water as product is supplied at the proper consistency for application. Dilution will reduce efficiency.
- Thoroughly mix StarSeal EF Hardner 204 by air or mechanical methods before use to ensure best results and ease of application.
- Apply by brush, roller, or sprayer; however, application by sprayer is preferred.
- Spread at the rate appropriate to the floor finish (see Coverage section) using care to avoid puddling. Excess liquid should be removed by squeegee or mop.
- Clean up equipment with water. Coat uniformly, leave no gaps.

SPECIFICATIONS/COMPLIANCE

- Meets USEPA AIM, OTC, LADCO, CARB, SCAQMD, and Canada VOC regulations
- LEED points
- Federal specification CE-204
- Complies with specifications for liquid chemical hardeners by the US Army Corps of Engineers, Navy, Post Office, and Veterans Administration for use on concrete floors as listed in Table 1.1, ACI 302.1R-89
- USACE / NAVFAC / AFCESA / NASA Unified Facilities Guide Specification 03 30 00, Section 2.7.1 Liquid Chemical Floor Hardener
- American Concrete Institute ACI 302.1R-04 Ch 5.8
- VOC content: 0 grams/liter or 0#/gal
- USDA approved
- CSI reference: 03 35 00, 03 01 30

CONTACT US @

Additional product information, technical assistance and customer service are available by contacting Vexcon Chemicals directly or our distributors.

- vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- techservice@vexcon.com
- Fax: 215.332.9997
- customerservice@vexcon.com

TOPCOATS AND ADHESIVES

- StarSeal EF Hardner 204 allows for bonding of all finishes.
- Concrete must cure a minimum of 28 days prior to applying paints or adhesives recommended by their manufacturer for compatibility and adhesion.
- We recommend the use of a test patch.
- Not recommended for colored concrete or terrazzo.
- Do not use membrane-curing compounds over StarSeal EF Hardner 204.

SPECIAL NOTES

- StarSeal EF Hardener may be applied to fresh concrete that has been hard trowel finished.
- Can apply to 40°F / 4.4°C
- Shelf life: If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock.
- For use by experienced contractors
- Keep from freezing
- Prior to use contact Vexcon Chemicals for warranty information.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

COVERAGE/ESTIMATING

- Rough Finish 200-300 sq.ft./gal (5-7.5 m²/L)
- Fine Broom Finish 300-400 sq.ft./gal (7.5-10 m²/L)
- Hard Trowel Finish 500-600 sq.ft./gal (12-15 m²/L)

Porosity and texture of the surface will affect the amount of material necessary for effective treatment. Always perform a test patch prior to full use.

PACKAGING

StarSeal EF Hardner 204 is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Boiling Point 212° F (100° C)
- Autoignition Temp Non-combustible

HEALTH AND SAFETY

- CAUTION: Alkaline or basic liquid, may irritate mucous membranes.
- Long term overexposure may cause damage to skin and/or respiratory tract.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.

Vexcon MSDS CT115 is an integral part of the safety and application of our product. Before using this Vexcon product, obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.