



VEXCON
CHEMICALS, INC.

Concrete solutions for architects, engineers and builders since 1974
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STARSEAL® FUSION™ (Pat.Pend) **INVISIBLE HOLE & CRACK REPAIR TREATMENT**

DESCRIPTION

STARSEAL FUSION is an advanced, modified silicate concrete repair treatment for StarSeal PS (product data sheet #CT101) or other silicate densifying floor treatments.

StarSeal Fusion will repair small air holes, aggregate pop-outs, voids, micro cracks, small spider cracks and similar surface imperfections.

While other types of repair materials become brittle and discolor the surface leaving it blotchy looking, StarSeal Fusion repairs and blends into the existing color of the concrete yielding a consistent natural looking floor.

Grinding and honing can continue one hour after application due to special accelerators and wetting agents which quickly react with the residual cement and calcium hydroxide in the grind powder.

The product is completely compatible with all StarSeal PS and other densifier systems and extends the gloss and clarity yielding a consistent natural looking floor.

BENEFITS

- Fills holes, cracks with same color as concrete
- Makes repairs almost invisible
- Cures in 1 hour for additional grinding
- Does not prevent the application of silicate densifiers
- Increases gloss and clarity
- Yields a smoother, denser surface
- Compatible with all densifier, stain and dye systems
- Fills early grinding scratches
- Does not contain any pore clogging latex

APPLICATION

- Prior to using StarSeal Fusion, apply StarSeal Fusion Release, (product data sheet # CT125) to the bottom of the grinder and to each set of diamonds being used to install StarSeal Fusion.

IMPORTANT NOTE: Test area must be done on the floor prior to proceeding. Floor with large amounts of aggregate and less cement paste might not react properly with Fusion. Please contact Vexcon technical service for recommendation for the individual floor.

- Spray or apply a puddle of StarSeal Fusion onto the dry floor evenly in front of grinder @ 50-80grit metal diamonds in quantity which forms a slurry as grinding continues.
- After using StarSeal Fusion while grinding in both directions 90° make sure that you have ground the concrete dry without wet slurry or ridges. Concrete should be allowed to dry for a minimum of one hour.
- Lightly wash the concrete and vacuum or squeegee dry. This will allow you to examine the floor for any remaining holes or voids, etc.
- Follow instructions for the application and cleaning above.
- Typically the existing holes, scratches etc. and any new ones created by grinding @ 100-120 grit will be filled.

TREATING LARGER CRACKS, BUGHOLES OR POPOUTS

1. Collect grinding powder from initial opening grinds and save for StarSeal Fusion LG.
2. See StarSeal Fusion LG (product data sheet #CT130) "Application to Larger Cracks, Bugholes or Pop-outs" section for instructions.

HONING

- If StarSeal PS Clear is being applied, polish to 200 grit resin diamonds.
- After 200 grit resins apply StarSeal PS Clear per standard instructions.

COVERAGE

100-150 sq.ft./gal. based on porosity of concrete.

PACKAGING

StarSeal Fusion is available in 55-gallon drums, 5-gallon pails. Contact Vexcon to discuss your customized packaging requirements

SPECIAL NOTES /LIMITATIONS

- Best results when applied at 50-80° F (10-27° C) slab temperature
- Cure time will be extended at lower temperatures
- Keep from freezing
- Do not wet grind or polish until StarSeal Fusion has cured overnight
- Dry grinding, honing and polishing after 1 hour

VITAL STATISTICS

- | | |
|----------------------------|----------------|
| • Boiling Point(760 mm Hg) | 212° F(100° C) |
| • Flash Point | NA |
| • Autoignition Temp | NA |
| • Pounds/gal | 10.5 |
| • VOC | Zero |

HEALTH AND SAFETY

Vexcon MSDS # CT127 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.

CONTACT US @

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

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WARRANTY

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