

STARSEAL FUSION™ LG

INVISIBLE LARGE HOLE & CRACK REPAIR TREATMENT

DESCRIPTION

STARSEAL FUSION LG is an advanced, modified silicate hole and crack treatment for StarSeal PS or other silicate densifying floor treatments.

StarSeal Fusion LG will repair large air holes, aggregate pop-outs, voids, cracks, and similar surface imperfections.

While other types of repair materials will change the color of the surface and leave it blotchy looking, StarSeal Fusion LG repairs and blends into the existing color of the concrete yielding a consistent natural looking floor.

StarSeal Fusion LG reacts with the residual cement and calcium hydroxide in the grind powder for an invisible repair.

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

BENEFITS

- Fills large holes and cracks with same color as concrete
- Makes repairs invisible
- Cures overnight for additional grinding
- Shrinkage compensated
- 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
- Does not contain any pore clogging latex

MIXING INSTRUCTIONS

1. Mix well before use.
2. Dry grind the concrete @ 16-50 grit, collect adequate amount of fines to mix into StarSeal Fusion LG.
3. Since every floor is different, a field ratio should be determined to provide flow characteristics listed below.
4. It is recommended to start with 40% by weight of StarSeal Fusion LG and 60% by weight of concrete powder. Final mix should have a slightly flowable consistency on blade for workability.
5. Do not mix large quantities of StarSeal Fusion LG paste since pot life is limited.

APPLICATION TO LARGER CRACKS, BUGHOLE OR POPOUTS

1. **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.

2. Apply StarSeal Fusion LG to walls of hole or crack with a brush, let dry 15 minutes.

NOTE: Larger holes and cracks should be treated with StarSeal Envio Bond (product data sheet # RP101) per instructions for bonding agent and filled with StarSeal Fusion LG.

3. Quickly apply paste into popout holes, cracks etc. with a flexible snap off putty knife. Slightly overfill. Allow to cure overnight until surface color matches existing concrete and patch is hard on the surface and does not compact with pressure.
4. Wider cracks over 1/8"/3mm and deep holes (greater than 1/2"/12.5mm), it is recommended to apply StarSeal Fusion LG in 2 lifts.
5. It is recommended to cover large holes or cracks with taped poly to reduce shrinkage and surface shrinkage cracks.
6. Remove poly the next day. If the floor is to be ground and polished with StarSeal Fusion, follow the instructions of StarSeal Fusion (product data sheet # CT127) for honing. The additional grinding will fill minor shrinkage and cracks.
7. Follow steps above for application of StarSeal Fusion starting with 50-80 grit or 100-120 grit metal diamonds. See StarSeal Fusion (product data sheet # CT 127)

HONING

After 120 grit application of StarSeal Fusion, the floor should be polished to 200 grit and the StarSeal PS or densifier application in accordance with manufacturer's instructions.

COVERAGE

1 gallon (3.79 L) will produce approximately 18 pounds (8.17 kg) of paste.

PACKAGING

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

SHELF LIFE:

If properly stored in its original sealed containers, three years.

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 LG has cured overnight.
- Small holes, dry grinding, honing and polishing after 4 hours.

VITAL STATISTICS

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

HEALTH AND SAFETY

Vexcon MSDS # CT130 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 services are available by contacting Vexcon Chemicals directly or our distributors.

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WARRANTY

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