



A lifetime Certi-Shine floor. **It's concrete redefined.**

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## **CERTI-SHINE® FUSION™** (Pat.Pend) **INVISIBLE HOLE & CRACK REPAIR TREATMENT**

### **DESCRIPTION**

**CERTI-SHINE FUSION** is an advanced, modified silicate concrete repair treatment for Certi-Shine polished concrete floors.

Certi-Shine 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 will discolor the surface and leave it blotchy looking, Certi-Shine 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 Certi-Shine polishing systems and will extend the gloss and clarity of the finished floor.

### **BENEFITS**

- Fills holes, cracks with same color as concrete
- Makes repairs invisible
- Cures in 1 hour for additional grinding
- Does not prevent the application of silicate densifiers
- Improves gloss and clarity
- Yields a smoother, denser surface
- Does not interfere with staining or dyeing
- Fills early grinding scratches
- Does not contain any pore clogging latex

### **APPLICATION**

- Prior to using Certi-Shine Fusion. Apply Certi-Shine Fusion Release, Product Bulletin # OP230, to the bottom of the grinder and to each set of diamonds being used to install Certi-Shine Fusion.
- Spray or apply a puddle of Certi-Shine Fusion onto the dry floor evenly in front of grinder @ 50-80grit metal diamonds in quantity which forms a slurry as grinding continues.
- After grinding with cross hatching @ 90° the complete floor area with Certi-Shine Fusion, wash off residue and vacuum or squeegee dry. Examine floor for holes, voids, etc. It is not uncommon to still have some holes remaining at this point. Reapply in the same manner with 100-120 grit metal diamonds and cross hatching @ 90°
- 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.

### **APPLICATION TO LARGE CRACKS, BUGHOLES OR POPOUTS**

- Dry grind the concrete @ 16-50 grit, collect adequate amount of fines to mix into Certi-Shine Fusion.
- Mix powder into liquid Certi-Shine Fusion to a medium to heavy flow paste.
- Apply paste into popout holes, cracks etc. with a flexible snap off putty knife. Slightly over fill. Allow to cure 2-3 hours until surface color matches existing concrete and patch is hard on the surface and does not compact with pressure
- Follow steps above for application at 50-80 grit or 100-120 grit metal diamonds.

### **HONING**

- One hour after 120 grit application of Certi-Shine Fusion, the Certi-Shine Stain process can be started.
- If Certi-Shine Clear is being applied, polish at 220 grit resin diamonds.
- After 220 grit apply Certi-Shine Clear per standard instructions.

### **COVERAGE**

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

### **PACKAGING**

Certi-Shine 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 degree slab temperature
- Cure time will be extended at lower temperatures
- Keep from freezing
- Do not wet grind or polish until Certi-Shine 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 # OP225 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 is available by contacting Vexcon Chemicals directly or our distributors.

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### **WARRANTY**

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