

APPLICATION OF OHM-SHIELD® CE-5800 EPOXY FLOOR PAINT

THIS IS A TWO PART EPOXY COATING- MIX ACCORDING TO 4:1 RATIO BY VOLUME.

THERE IS A 4 HOUR POT LIFE. COATINGS APPLIED AFTER 4 HOURS WILL NOT HAVE HIGH ABRASION

FOR NEW CONCRETE FLOORS

ALWAYS APPLY A TEST PATCH PRIOR TO COATING LARGE AREAS

1. Clean and remove dirt/grease
2. Acid etch if necessary following the manufacturers directions. If not, proceed to #6.
3. Rinse twice with clean water.
4. Allow to dry for at least 24 hours
Determine porosity of floor using porosity test*. Very dense, non-porous or treated concrete may require additional treatment.
5. If necessary apply PS-5800 primer-sealer.
Test for concrete adhesion before applying paint. PS-5800 is used to fill porous floors in addition to aid in adhesion. Cure for 24 hours.
6. **Apply a test patch.**
7. Check for dryness**
8. Clean dirt/grease from sealed concrete
9. Do not apply OHM-SHIELD CE-5800 if room and floor temperature are less than 60⁰ F.
Always apply an adhesion test patch prior to coating large areas.
10. Use a ¼" cotton or polyester nap roller with a five foot extension handle.
THOROUGHLY MIX OHM SHIELD CE-5800 parts A and B with mixer or stirrer using a 4:1 ratio by volume.
Confirm that the conductive additives which may have settled are properly dispersed to assure the correct adhesion and conductivity.
Add 10-20 % as needed of water for spraying.
11. Apply in long continuous strokes assuring complete coverage.
12. Use a china white, nylon or animal hair fine bristle brush to paint hard to reach areas and trim.
13. Allow floor to dry overnight at not less than 60⁰ F before walking (light foot traffic) on the surface.
14. After drying, test the floor with a surface resistivity meter. If the reading is greater than 10⁸ ohms per square and/or the readings are not within a decade of each other over five separate test spots, apply second coat of OHM-SHIELD CE-5800.
15. Allow floor to dry 3 days (72 hours minimum) at not less than 60⁰ F before allowing general industrial traffic.

THERE IS A 4 HOUR POT LIFE

FOR OLD CONCRETE FLOORS

ALWAYS APPLY A TEST PATCH PRIOR TO COATING LARGE AREAS

NOTE: Simple cleaning may be insufficient to obtain maximum adhesion of OHM-SHIELD CE-5800 to old concrete floors. Proper maintenance and exposure to polyethylene wax, silicone and epoxy sealers, oil spills and other chemicals will adversely affect product performance.

1. If test patch is acceptable, follow instructions under "NEW CONCRETE FLOORS" at Step #3.
2. If test patch shows unacceptable adhesion after standing 14 days, proceed with the following:
Grit sand or use a solvent on the surface in order to remove all embedded sealers, waxes, floor polishes, oils, coatings, greases, brake fluids and chemical spills of any type.

NOTE: CONSULT YOUR CONCRETE CONTRACTOR FOR DETAILS ON PROPER EQUIPMENT AND PROCEDURES FOR FLOOR SANDING.

After sanding, wash the floor with detergent and warm water, then wet vacuum. RINSE TWICE. Allow floor to dry completely. If necessary apply OHM SHIELD CE-5800 primer-sealer by following the application instructions. Apply another test patch. If adhesion is acceptable, proceed with Step #3 under "NEW CONCRETE FLOORS".

NOTE: FOR GLOSSIER APPEARANCE, APPLY OHM-SHIELD AF-5500 or AF-6500 ACRYLIC FLOOR FINISH TO INCREASE GLOSS AND TO INCREASE THE ABRASION RESISTANCE.

SEE PRODUCT LABEL-MSDS FOR REGULAR SAFETY AND MAINTENANCE INSTRUCTIONS.

*Porosity Test- Pour one ounce of water on floor. If water soaks in the surface can be coated. If the water beads up then the surface must be abraded.

*Dryness Test- Place a rubber mat on surface for 24 hours. After 24 hours observe the bottom of mat. If it is dry apply the coating. If wet, apply a primer or sealer. ALWAYS WEAR PROTECTIVE GOGGLES.

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