



Description: Endurosil Epoxy Metallic Flooring System is a truly unique flooring system utilizing self leveling epoxy and metallic pearlescent pigments to provide a 3 dimensional flooring appearance. The floor is a medium build system that is durable however it is not meant to withstand high impact and abuse.

Uses: Epoxy Thin Mil System is designed for showrooms floors, garages floors, recreation rooms, airplane hangars and anywhere that high impact and abrasion is not a concern.

Advantages: 100% Solids, Chemical Resistant, Low Odor Required

Materials: EP-300 Epoxy Patch, EP-1000 100% Solids Epoxy

Required Tools: Roller and Roller Frames, Jiffy Mixer

Optional Materials: EP-500 Waterbased Epoxy Primer, EP-2000 Polyaspartic Topcoat, EP-300 Joint Compound.

Substrate Preparation

Substrate Inspection: The surface must be structurally sound. The surface must be dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to adhere to surface. A minimum of 28 days cure is required on all concrete surfaces unless the installer utilizes EP- 500 Waterbased Epoxy Primer.

Substrate Preparation: Clean all cracks and joints using a concrete saw. Prepare the concrete surface to a profile equal to about a 50 grit sandpaper. The recommended method of profiling the concrete is by grinding, shot blasting or scarifying the surface.

Moisture: All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission through on-grade concrete slabs may result in the failure of the epoxy floor (either the lifting of the dried film or the improper curing of the material). If moisture emission exceeds 4 pounds per 1000 square feet contact Endurosil prior to application.



Product Application

Joint and Crack Fill: Utilize EP-300 Epoxy Patch Paste to fill all joints and cracks prior to the application of the flooring system. Mix 2 parts of A to 1 part of B. Ensure that the paste is sufficiently mixed prior to use. Install the mixed paste in the joints or cracks using a putty knife or trowel. The installer may also use alcohol to help smooth the material. The EP-300 Epoxy Patch Paste may also be used to install a covebase.

Standard Primer: Mix 2 parts of A and 1 part of B of EP-1000, ensuring that the product is properly mixed. You can also use EP-150 when concrete cure and water emission is a concern. Apply the product at a rate of approximately 250 to 300 square feet per gallon using a roller and brush. Utilize a solid color that will help add highlights to your floor.

Build Coat: Mix 2 parts of A and 1 part of B of EP-1000, and the desired metallic pigment colors ensuring that the product is properly mixed. Apply the product at a rate of approximately 60 to 100 square feet per gallon using a squeegee and backrolling. There are individual techniques and artistic methods which are discussed in trainings that give even more depth and a true 1 of a kind floor.

Topcoat: Mix 2 parts of A and 1 part of B of EP-1000, ensuring that the product is properly mixed. Apply the product at a rate of approximately 250 to 300 square feet per gallon using a roller and brush. Additional topcoats may be applied using EP-1000 or EP-2000 Polyaspartic.