

SEAMELSS EPOXY



Super Stone® Seamless Epoxy Flooring Binder is a 100% solid, two component epoxy binder system. The product will satisfy USDA requirements for incidental food contact on floors, it is very user friendly, providing high chemical resistance and displaying the versatility of being used as a coating, as a binder to develop broadcast floors, chip floors, slurry/broadcast and trowel down.

RECOMMENDED USAGE	ADVANTAGES
<ul style="list-style-type: none"> • Interior Use Only • Bathrooms, Showers, & Kitchens • Floors & Countertops • Warehouse & Garage 	<ul style="list-style-type: none"> • Water Spot, Blush, & Chemical Resistant • Low Odor • High Gloss • Low VOC & USDA Compliant • Stain & Scratch Resistant • High Film Build

COVERAGE

Coverage rates are approximate and for estimating purposes only. Surface temperature porosity, texture and thickness will determine actual material requirements. It is recommended to apply a test area to ensure proper application technique, adhesion and aesthetics.

Epoxy Floor Binder System	Ft ² Per Gallon
Floor Coating (20-30 mils)	
Primer Epoxy Floor Binder Clear	200-225
Basecoat	100
Seal Coat (optional)	150
Broadcast Floor (1/16"-1/8")	
Basecoat Epoxy Binder	100
Aggregate	0.5-1.0
Seal coat of Epoxy Floor binder	100-150
Broadcast Vinyl Chip Floor (1/32"-1/16')	
Basecoat	75-120
Vinyl chip	0.25-0.50
Seal Coat (Epoxy binder Clear)	150
Slurry/ Broadcast	
Primer Epoxy floor binder Clear	200-225
Basecoat (1gal resin to 12lbs aggregate)	20
Seal coat (Epoxy floor binder)	150
Trowel Down	
Primer epoxy floor binder Clear	200-225

Basecoat @ 1/8" (1gal resin to 40lbs trowel grade aggregate)	40-45
Seal coat (Epoxy Floor binder)	100-150

SURFACE PREPARATION

New concrete should be allowed to cure for a minimum of 28 days. The concrete must be structurally sound, dry, free of grease, oils, coatings, dust curing compounds and other contaminants. Surface laitance must be removed. The preferred method of surface preparation is abrasive blasting. Remove defective concrete, honeycombs, cavities and other defects by routing to sound material. The pH of the surface should be checked as per ASTM D 4262. Following surface preparation, the cleaned surface should have a minimum surface tensile strength of 200 psi when tested with an Elcometer or similar pull tester (ASTM D 4541). Before application of the coating, use the "Visqueen test" (ASTM D 4263) or "Calcium Chloride Test" (ASTM F 1869) to evaluate the moisture level in the concrete. Do not proceed if a moisture vapor drive condition exists. Moisture vapor emission rate may vary over time depending upon environmental conditions.

APPLICATION

Mixing: Pre-mix Part A and Part B with a slow motor and "Jiffy" mixer. Pour two parts by volume of Part A and one part by volume of Part B into a clean, dry container and mechanically mix for 3 - 5 minutes. Scrape the sides and bottom of mixing container while mixing. Mix only the amount of material that can be applied in approximately 20-30 min. Do not whip or aerate while mixing.

Application Techniques: Application and surface temperatures should be at least 60°F and rising.

Cleanup: Clean tools and application equipment immediately after use with methyl ethyl ketone, or xylene. Clean overspray or drips while still wet with solvent. Cured Epoxy will require mechanical abrasion for removal or paint stripper to remove.

LIMITATIONS

- Store indoors at temperatures between 60°F to 90°F (15.5°C to 32°C).
- Do not mix or apply unless surface, air and material temperatures are 60°F (15.5°C) and rising.
- Do not apply if surface temperatures is within 5°F of the dew point in the work area.
- Cure new concrete to 28 days before application.
- Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab.
- Do not apply if the floor is subject to moisture vapor drive or hydrostatic pressure.
- In all cases, consult the Safety Data Sheet before used.
- Shelf life 2 years in original, unopened package, proper storage

APPLICABLE STANDARDS

Mix Ratio (by Volume)	2:1
VOC Content	< 5 g/L
Gel Time 200g, minutes	35 to 55

Pot Life, 3 Gal (11.4 L), minutes	20 to 30
Tack Free, hrs	4 to 5
Bond Strength ASTM D 4541	Greater than Concrete
Water Absorption ASTM D 570	24 hrs
Hardness, Shore D ASTM D 2240	80 – 90
Tensile Strength, ASTM D 638	4,500
Compressive Strength, ASTM D695	8,000
Percent Elongation, ASTM D638	15 - 20%

SAFETY PRECAUTIONS

Avoid contact with eyes, skin, and clothing. First Aid: **Eyes**-- In case of eye contact flush right away with large amounts of water for at least 15 minutes. **Ingestion**-- Rinse mouth. If swallowed dial 911 immediately. **Skin**-- Wash the affected area thoroughly with soap and water. **Inhalation**-- If you experience difficulty breathing, remove yourself from the area to obtain fresh air. If symptoms persist or develop, seek medical attention.

Limited Warranty: *Since no control is exercised over product use, Super Stone® only warrants that this product is of consistent quality within manufacturing tolerances. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of the portion of the material proved to be defective.* **NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESSED OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SUPER STONE, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Super Stone will not be liable for special, incidental or consequential damages, including for delays or lost profits.

For Professional Use

DANGER!

EXTREMELY FLAMMABLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. CONTACT WITH SKIN CAUSES SEVERE BURNS, ALLERGIC REACTION, AND EYE DAMAGE MAY CAUSE GENETIC DEFECTS AND CANCER. KEEP OUT OF THE REACH OF CHILDREN.

