

F 135707

High Performance Epoxy Flooring Binder

DESCRIPTION

F-135707 is a cycloaliphatic amine cured formulated epoxy floor binder. **F-135707** utilizes the latest technology in formulating epoxy resin products with outstanding performance properties. It provides outstanding water spot resistance, leveling, air release properties, blush resistance and color stability.

PRIMARY APPLICATIONS

- Warehouse & Garage Floors
- Manufacturing Plants, Workshops
- Educational Facilities & Hospitals
- Production Rooms & Loading Docks
- Lavatories & Showers
- Pharmaceutical Plants

FEATURES/BENEFITS

- Water Spot Resistance
- Blush Resistant
- Low Odor
- High Gloss
- Chemical Resistant
- Low VOC
- USDA Compliant
- Excellent film forming properties
- Color Stability
- Ease of Handling
- Stain & Scratch Resistant
- High Film Build

TECHNICAL INFORMATION

Material Properties @ 75° F (24°C)

Mix Ratio (by Volume)	2:1	Water Absorption , ASTM D 570 24 hrs	<0.5%
VOC Content	< 50 g/L	Hardness, Shore D ASTM D 2240	80 - 90
Gel Time 200g, minutes	30 to 50	Tensile Strength, ASTM D 638	4,500
Pot Life , 3 Gal (11.4 L), minutes...	20 to 30	Compressive Strength, ASTM D695	8,000
Tack Free , hrs	4 to 5	Percent Elongation, ASTM D638	10 - 15%
Bond Strength ASTM D 4541	Greater than Concrete		

Available Colors: Clear, Light Gray, Concrete Gray and White (for tinting).

PACKAGING

F-135707 is packaged in 3 gal (11.4 L) KIT, 15 gal (56.8 L) PAIL KIT and 150 gal (567.8 L) DRUM KIT

SHELF LIFE

1 year in original, unopened package, proper storage.

COVERAGE

F-135707 coverage rates are approximate and for estimating purposes only. Surface temperature porosity, texture and thickness will determine actual material requirements.

<u>F-135707 System</u>	<u>Sq.Ft/Gal</u>	<u>Sq.Ft/ Gal</u>
Floor Coating (20 - 25 mils)		
Primer, F-135707 Colored	100-150	
Plextone or Plextone Terrazzo	100-150	
SealCoat 135707 Cl or MiraGlaze Clear	50-150	
	OLD SYSTEM	
	Broadcast Vinyl Chip Floor (1/32" - 1/16")	
	Basecoat	75 - 120
	Vinyl Chip, lbs/ft ²	0.25 - 0.5
	Sealcoat, F-135707 Clear	150
	Primer, F-135707 Clear	200 - 225
	Basecoat (1 gal resin & 12# aggregate)	20
	Sealcoat, F-135707 Clear	150

It is recommended to apply a test area to ensure proper application technique, adhesion and aesthetics.

DIRECTIONS FOR USE

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. All steel surfaces should be blasted in accordance with SSPC-SP10 or NACE #2 to a "NEAR WHITE" finish using clean dry blasting media.

Mixing: Per-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 during the pot life. Do not whip or aerate while mixing.

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

CLEAN-UP

Clean tools and application equipment immediately after use with methyl ethyl ketone, or xylene. Clean overspray or drips while still wet with solvent. Cured F-135707 will require mechanical abrasion for removal or paint stripper to remove.

PRECAUTIONS/LIMITATIONS

- Store indoors at temperatures between 60°F to 90°F (15.5°C to 32°C).KEEP FROM FREEZING
- 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 or Apply BOND-TAC as a waterproof vapor barrier before applying Epoxy base coat or PLEXTONE
- Do not apply F-135707 if the floor is subject to moisture vapor drive or hydrostatic pressure.
- In all cases, consult the Safety Data Sheet before used.

TECHNICAL SERVICES

For application procedures or surface conditions not specified above, please contact: Seagrave Coatings Corp., Inc., at 201-933-1000.

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