

Epoxy Floor Coating Gloss Finish
Architectural / Light Industrial Coating - Premium

Description

Floortec Clear is a premium epoxy, gloss interior, 100% solids, two component, top coat designed to provide additional durability for the Floortec pigmented epoxy floor coating, and used in conjunction with decorative chips and color micas. Because of its unique epoxy polymer system it has the advantages of high build, low odor, near zero-voc, and low viscosity - providing excellent flow and self-leveling features. Additionally this product has superior chemical resistance and hot tire pick-up performance. This product is available as a clear finish as a topcoat over decorative chips, and color micas to create a unique decorative floor coating.

Recommended Uses

This product is formulated for interior architectural or light Industrial applications. Recommended for protecting concrete floors in warehouses, manufacturing plants, residential and industrial garages, mechanical rooms, commercial kitchens, flooring in schools and health care.

Colors

Clear Gloss finish over decorative chips and color micas.

Packaging

1 1/2 Gallon Kit:
2: 1 Mix; (Part A + Part B = 2:1)

Colors

Gloss @ 60° = 95 +/- 5

Application Process

- Step 1 – Flooring Prep (Refer to #360 Floortec PDS for instructions, conditions and preparation).
- Step 2 – Fill cracks and grind smooth.
- Step 3 – Vacuum and sweep up concrete dust.
- Step 4 – Apply Floortec Vaporseal if required. (Refer to #350 Floortec Vaporseal PDS for instructions, conditions and preparation).
- Step 5 – Apply #360 Floortec and broadcast decorative chips and color micas as desired.
- Step 6 – Wait a minimum of 12 hours, and maximum of 36 hours for the #360 Floortec with decorative chips and color micas to dry in place. Then scrape and recover decorative chips and color micas.
- Step 7 – Top coat with #370 Floortec Clear.

Substrate Temperature

Substrate temperature during application should be between 50°F and 95°F.

Mixing

After the concrete surface has been properly prepared, coated and scraped of loose chips and micas, then apply Floortec Clear. Mix 2-parts of Part A with 1-part of Part B, by volume until they are thoroughly mixed which should take approximately 4 to 5 minutes. This can be achieved by hand mixing or low speed drill mixing. **DO NOT INDUCE FOAM.** Be certain the composition is completely mixed before starting the application. There is no induction time needed. The product can be thinned to a maximum of 5% by volume with acetone if desired.

Pot Life

90 minutes at normal temperature. Pot life can be effected by temperature. Higher temperature will reduce pot life

Application

Brush, roll, trowel or squeegee at ambient conditions with substrate surface temperature above 55°F and a relative humidity below 80%.

Dry Time

- Touch: 12 hours
- Recoat: 12 hours (If the re-coat time has exceeded the 12 hour period, then light sanding is recommended, followed by a wipe clean with acetone before the following application.)
- Light foot traffic permitted after: 24 hours
- Light vehicle traffic: 72 hours
- Heavy traffic: 7 days

Application

Coverage will vary depending on the condition of the surface and the desired thickness. At a 10 mil wet film thickness (WFT), expect approximately 250 square feet per 1 1/2 Gallon Kit, depending on the surface porosity.

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Mil Thickness

Wet = 6.0 - 8.0

Thinning

This product can be thinned with acetone up to 10% based on volume.

Composition

Proprietary Resin	97.2%
Additives	2.8%
TOTAL VEHICLE	100.0%

Weights & Measurements +/-3.0%

Solids by Volume:	80.00%
Solids by Weight:	81.26%
VOC:	<13.9 g/l
Weight Per Gal:	8.99 lbs.
Viscosity:	100 KU

Testing

- Direct & Indirect Impact Testing ASTM D6905 & D2794 run on metal panels (Direct Height 25" / Elongation 60% & Indirect Height 25" / Elongation 60%) (Direct Impact 10-10" Lbs & Indirect Impact 6-10" Lbs)
- Chemical Resistance ASTM D1308 Run With A Variety of Chemicals, Oil, Grease & Fuel (No Defects or Color Loss)
- Abrasion Resistance ASTM D4060 (Taber Abrasion 0.018, Scrape Adhesion 9,800 Grams, Tape Adhesion 5B No Failure)
- Water Spot Whitening Early Water Resistance CRGI TM 67 and ISO 2812 (10 No Failure)
- Efflorescence CRGI TM 89 (Pass)
- Hot Tire Pickup and Discoloration CRGI TM69 (No Defects)
- Tensile Strength ASTM D2370 (1125.8 MPa)
- Flexural Strength ASTM D2370 (Pass)
- Surface Hardness Both With The Durometer Hardness Test D2240 and The Buchholz Hardness Indentation Tester (Sward Hardness 18, Buchholz Hardness 2mm, Pencil Hardness 2H)
- Pull of Adhesion Tester D7234 (5.15 mpa)
- Sward Hardness D2134 (18)
- Falling Sand ASTM D968 (250L+)
- Tape Adhesion 1-Day D3359 (5B)
- Permeability D1653 Wet Cup Method For High Humidity Area and Dry Cup For Normal Humidity (Permeability 3.2)

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings.



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