

Industrial Flooring

100% SOLIDS MME

Moisture-Mitigating High-Build Epoxy for Direct-To-Concrete Application

Description: Two-component, high-solids, moisture-mitigating, industrial epoxy floor coating for direct-to-concrete application. Typically used as a primer coat in full-chip coating systems. Permits users to immediately chip into the thick primer and *negates the need for subsequent re-wet or color coats*. Sets quickly (under 2 hours at 70°F), *even in cool weather conditions*, enabling rapid subsequent clear coat application and shortened installation duration.

Areas of Usage: When used in combination with the appropriate topcoat, for use in both interior or exterior installations including garages, basements, warehouses, manufacturing facilities, parking lots, storage areas, labs, airplane hangars, washrooms, showers, patios, walkways and handicap ramps.

Features / Advantages:	2:1 pigmented primer	Extreme quick-cure properties
	Moisture-mitigating system	Dry time accelerated on cool substrates
	Direct-to-concrete application	Outstanding flow and leveling
	Typically used in full-chip applications	Superior adhesion
	Interior & exterior applications	Chemical and stain resistant
	Zero VOCs and low odor	Molecularly bonding

Surface Preparation: Allow new concrete to cure for at least 30 days prior to preparation and coating. Test for moisture. Remove dust, oil, grease, curing compounds, scale and other contaminants. Prepare concrete via mechanical abrasion (grinding, diamond grinding, abrasive blasting, shot blasting) to achieve a surface profile equivalent to CSP3 to CSP5. Grinding & diamond grinding procedures are outlined in SOP GFC-106, titled Concrete Preparation.

Technical Data: Note: Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions

Packaging: Part A and Part B Activator - 5 gallon containers (59 lbs, 56 lbs and 45 lbs for Part A Tumbleweed, Part A Silver Gray and Part B, respectively). Approximate weight (may vary depending upon pigment and fill level).

Mixing Ratio: Two parts colored resin (Part A) to one part catalyst (Part B), i.e., 2:1 ratio by volume. The mixture may be diluted with solvent (typically xylene or acetone) **using 0.5 – 0.75 deli cups/gallon of Parts A & B combined.**

Application: 9", 14" or 18" rollers with microfiber nap and polyester brush. **Application is recommended for horizontals only** (see "Application Procedures on page 3 for details).

Average Dry Time at 77°F (25°C): Dry times vary depending upon weather conditions. **Cure to Tack-Free:** Typically 2-3 hours; **Cure to Tack Form:** 2-3 hours; **Waiting Time Between Coats:** 2-3 hours (no sanding required if full-chip); **Full Cure:** 12 hours.

Resistance To: Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil and other petroleums, feces, urine, bleach, solvents, chemical fumes, non-oxidizing acids, alkalis, alcohols).

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Reducing:	May be reduced with e.g., xylene or acetone (before reducing, consult local air district rules or regulations). If reducing, use 0.5 - 0.75 deli cups solvent/gallon of Parts A & B combined.
Finish:	Not applicable
Colors:	Tumbleweed, Silver Gray, Black and White
% Solids (Vol):	100% solids
Pigment Type:	Chemical resistant
Tensile Strength:	8700 psi (ASTM D638)
Tensile Elongation:	6.6% (ASTM D638)
Flexural Strength:	15700 psi (ASTM D790)
Volatile Content:	0 g/l (ASTM 2369)
Thickness:	Recommended for application up to 12 mils dry film thickness. Two (2) gallons Part A and one (1) gallon of Part B (3 gallons total) will cover up to 400 sq ft at 12 mils thickness
Compressive Strength:	13300 psi (ASTM D695)
Adhesion to Concrete:	Substrate failure (D4541)
Durometer Hardness (Shore D)	87.5 (ASTM D2240)
Tabor Abrasion (CS17 Wheel):	1 kg load /1000 cycles - <80 mg
Pot Life:	Extreme quick-cure properties. <i>Pot life applies to material poured immediately onto the substrate following preparation.</i> Pot Life = 45 minutes at 40°F (4°C); 30 minutes at 70°F (24°C); and 20 minutes at 92°F (33°C).
Shelf Life:	12 months at 77°F (25°C) when Parts A and B are not combined

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Mixing: Pigmented 100% Solids MME is a two component system: Part A and Part B (activator). **Pre-measure Parts A, B and solvent.** Thoroughly mix the pigmented Part A component separately, ensuring a uniform color. Then, add 2 parts Part A and 1 part Part B in a bucket. **Mix immediately. Within 20 secs, add solvent and re-mix. DO NOT EXCEED 1 MINUTE OF MIXING. IMMEDIATELY POUR THE PRODUCT OUT OF THE CONTAINER.**

Application Procedure: 100% Solids MME is a quick-cure epoxy for use by trained/experienced applicators only. Pigmented 100% Solids MME is **typically used in full-chip coating systems as a moisture-mitigating primer coat.** Apply using 9", 14" or 18" rollers with microfiber nap; use a polyester brush for nooks and crannies. **NOTE: Because of %100 Solids MME's quick-cure properties, this product is not to be poured into e.g, deli cups for priming stem walls; it will "cook" in the container. Instead, use Hydro Polymer Yellow Label (4:1) for priming stem walls.**

Handling & Storage: Store in a cool, dry, well ventilated area. Keep containers tightly closed.

**• KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN
• NOT FOR INTERNAL CONSUMPTION • INDUSTRIAL GRADE • HANDLING
AND INSTALLATION MUST BE PERFORMED BY ECO-CORFLEX-CERTIFIED
APPLICATORS ONLY •**

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