

Industrial Floor Epoxy TECHNICAL DATA

SOLVENT-FREE EPOXY COATING

Warehouse Floors
 Industrial Floors
 Restaurant Floors
 Residential Floors

Solvent-Free
 Good Chemical Resistance
 Easy 2:1 Mixing Ratio
 USDA approved for Incidental Contact

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>This Industrial Floor epoxy is a 100% solids, USDA acceptable (for incidental contact) epoxy flooring resin designed as a stand alone top coat and as a binder for non-skid surfaces. It is non-blushing and non-water spotting. It bonds to cold, damp surfaces and is high gloss, self leveling and color stable.</p>
<p>USES</p>	<p>Roll on top coats Broadcast base and top coats Binder for mortars Supports most industrial traffic Provides an easy non skid surface</p>
<p>FEATURES</p>	<p>Good chemical resistance Convenient 2 to 1 ratio by volume Tenacious bond to most substrates USDA acceptable for incidental contact Environmentally safe, solvent free system</p>
<p>VISCOSITY</p>	<p>Viscosity at 72°F: Part A: 650 cps Part B: 350 cps Mixed: 500 cps</p>
<p>PHYSICAL PROPERTIES</p>	<p>COMPRESSIVE STRENGTH ASTM D695 12,000 psi TENSILE STRENGTH ASTM D638 3,900 psi ELONGATION AT BREAK ASTM D638 7.00% ABRASION RESISTANCE: CS-17 WHEEL, 1 kg LOAD ASTM D4060 0.10gm loss WATER ABSORPTION ASTM D570 0/07% (2 hour boil) FLEXURAL STRENGTH ASTM D790 7,800 psi SHORE D HARDNESS ASTM D2240 89 HEAT DISTORTION ASTM D649 122°F TEMPERATURE BOND STRENGTH TO 100% Concrete failure CONCRETE APPLICATION RATE 115 sq. ft./gal (175 sq. ft./gallon and a half kit) COLORS Gray and beige</p>

SOLVENT-FREE COATINGS FOR TOUGH ENVIRONMENTS

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CURE SCHEDULE	POT LIFE of 6 oz. @ 75°F 25 minutes TACK FREE 8 hours FULL CURE 12 hours
SURFACE PREPARATION	Surface to be topcoated must be clean and free of oils, grease and loose contamination.
APPLICATION	<p>First thoroughly stir the epoxy base to redistribute the pigment. If using more than 1 kit, compare the epoxy base (Part A) for color matching. Base colors may vary slightly between different batches. If the colors are noticeably different, mix all the epoxy base containers together to obtain a uniform color before mixing with the curing agent. Mix Industrial Floor epoxy base with the Industrial Floor curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume or 1/0.39 by weight. Make sure that both components are thoroughly mixed along sides and bottom of container. Unmixed components will result in 'hot spots' that will never cure. Industrial Floor epoxy does not require a 'sweat-in' or induction time and the mixed components should be used immediately.</p> <p>Potlife is approximately 25 minutes at 75°F, so mix only the amount of epoxy that can be easily applied within that time limit. Do not mix an entire 1.5 gallon kit in one batch (especially if you coating small areas such as floor edges or if the epoxy will not be used immediately and will sit in the mixing container). If a longer potlife or thinner product (the epoxy will thicken on cold surfaces) is desired, add 4-8 oz. Xylene (or M.E.K.) solvent per gallon to the mixed epoxy. Apply using a brush, or roller. The mixed product can be poured out in an 'S' pattern and then rolled out for even coverage. To speed up application you can then spread out the epoxy with a squeegee (notched or unnotched) and then use a lint free epoxy roller to smooth out the surface. If a non skid surface is desired, broadcast the chosen grade of aggregate over the wet epoxy to 'refusal'. Allow the epoxy to rest for 12 hours and sweep off the excess aggregate. A top coat of clear or pigmented epoxy is strongly recommended to lengthen the life of the non skid surface.</p>
NOTES	<p>Unless top-coated with a UV absorber, this epoxy will yellow in sunlight.</p> <p>This epoxy will generate a considerable amount of heat when it hardens. Thin plastic containers will melt. May require solvent thinning to reduce viscosity in temperatures under 60° F.</p>
TEMPERATURE	Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Industrial Floor epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.
TRANSPORT	Epoxy base - Nonregulated by USDOT, IATA & IMO. Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive. Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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