



TECHNICAL DATA

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SL 1300 EPOXY SELF-LEVELING FLOOR COATING

Product Description

A 100% solids, two component, epoxy based, self leveling floor coating for resurfacing, protecting and sealing new or existing concrete floors.

Features

- Low viscosity achieves 100% contact and penetration of prepared substrates.
- 100% solids virtually eliminates fumes and odors.
- Easily applied using rollers and squeegees.
- Extremely hard wearing and durable surface.
- Accepted for use in USDA inspected plants.

Recommended Uses

- Protect new or existing concrete surfaces from chemicals and moisture.
- Level out and smooth mildly spalled concrete.
- For areas where a seamless, monolithic surface is required.

Chemical Resistance

Water	E	ASTM #3 Oil	E
Saturated Salt Solutions	E	Propylene Glycol	E
Leaded Gasoline	E	Mild Organic Acids	E
Mineral Spirits	E	Mild Inorganic Acids	E

E= Excellent VG = Very Good

Typical Properties

Solids by Volume	100%
Volatile Organic Compounds	0.0 lb/gal (0 g/l)
Theoretical Coverage	1604 ft ² / gal @ 1 mil
Recommend DFT	12 - 50 mils
Number of Coats	1
Mix Ratio (by volume)	2.1 "A" : 1"B"
Mixed Viscosity @ 75°F	1500 cps
Shelf Life @ 60-90°F (16-32°C)	Part A months Part B months
Temperature Resistance	180°F (dry)
Color	Light Gray

Ordering Information

Packaging:	2 gallon
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APPLICATION INFORMATION

SL 1300

Surface Preparation

Remove all oil, grease or other contaminants from the surface to be coated in accordance with SSPC-SP 1.

Concrete: Must be cured a minimum of 28 days at 70°F (21°C) and 50% RH, or equivalent. Remove fins and other protrusions by stoning or grinding. Abrasive blast in accordance with SSPC-SP 13 or ASTM D4258 to open all surface voids and remove all form oils, incompatible curing agents, hardeners, laitance, old coatings or other foreign materials and produce a angular surface texture similar to that of medium grit sandpaper. Blow or vacuum off abrasive and dust.

All loose, unsound concrete must be removed.

Holes and cracks larger than 1/4" should be filled prior to application.

All concrete should be sealed with CS 2000 or a similar primer prior to application.

Other: Contact ITW Futura Coatings for specific recommendations.

Mixing

Add hardener to resin. Power mix thoroughly with a Jiffy mixer for 3-4 minutes until the consistency is uniform. Be sure to scrape material from the sides and bottom of the mix bucket.

It is strongly recommended that mixing be limited to full kits only. If mixing less than full kits mix by volume as follows: 2.1 parts Resin (A) to 1 part Hardener(B).

Thinning

DO NOT THIN

Pot Life

Material Temperature	Time
75°F (24°C)	40 minutes

Application Conditions

	Normal	Minimum	Maximum
Material	75-90°F (24-32°C)	55°F (13°C)	90°F (32°C)
Surface	75-90°F (24-32°C)	55°F (13°C)	90°F (32°C)
Ambient	75-90°F (24-32°C)	55°F (10°C)	90°F (32°C)
Humidity	30-50%	0%	85%

- Surface temperature must be 5°F (3°C) above the dew point.

Application

The mixed material should be poured out in a bead onto the floor, then spread out using a notched squeegee. For thin applications a 1/4" or a 3/8" nap roller can be used to obtain a smooth and even surface. For most applications the material can be poured in one coat over a primed surface.

Note: This material produces a very smooth finish which is slippery and becomes very slippery when wet. Sand or similar aggregate can be used on top of the coating to make it non-skid. Contact ITW Futura Coatings for recommendations.

Cure Time

These times are based on a 30-50% RH. Excessive film thickness, cooler temperatures or inadequate ventilation will require longer cure times and could result in premature failure.

Surface Temperature 75°F

Working Time	40 minutes
Tack Free	6 hours
Recoat (min)	10 hours
Recoat (max)	48 hours
Foot Traffic	24 hours
Full cure	48 Hours
Chemical Exposure	7 days

- If the material has exceeded its maximum recoat time or full cure time contact ITW Futura Coatings for recommended recoating procedures.
- Curing can be accelerated by using heat after the coating has been allowed to harden under ambient conditions. At 150°F material will cure in 4 hours.

Safety Information

- Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.
- Do not apply material in enclosed areas without adequate air exchange and ventilation.
- All application personnel must use respirators rated for organic vapors, or in confined spaces wear fresh air respirators or fresh air hoods.
- Wear protective clothing, gloves and eye protection.
- Breathing fumes or contact with the skin may cause severe allergic reactions.
- **This product is intended for industrial use by properly trained professional applicators only.**

Storage Conditions

- Coatings need to be protected from moisture contamination. Store drums and pails in a dry location at 50-90°F (10-32°C).
- Materials **must** be kept above 50°F (10°C).

ITW FUTURA COATINGS, 1685 GALT INDUSTRIAL BLVD., ST LOUIS, MO, (314) 733-1110

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