



POLYMERICA INCORPORATED

POLYMERICA PRODUCT DATA

LevelMaster SLE Self-Leveling Epoxy Coating

PRODUCT PRESENTATION

LevelMaster SLE is a 100% solids industrial epoxy used to coat concrete, tile, block, steel, or polymer surfaces. **SLE** provides a high-gloss, easy to clean appearance with excellent wear and abrasion-resistant properties.

LevelMaster SLE can be applied neat as a coating, used as the liquid component of a broadcast system, or bodied up with **SLF** to create a self-leveling slurry for high-build applications.

PRODUCT FEATURES

- ➔ stain-resistant, low maintenance finish
- ➔ 100% solids performance with paint-like color, hide, and spreadability
- ➔ does not contain solvent or water
- ➔ odorless - can be used in occupied facilities
- ➔ self-extinguishing in thin films
- ➔ excellent color retention
- ➔ wide range of colors
- ➔ materials comply with USDA requirements for use in federally inspected meat and poultry plants.
- ➔ approved by Agricultural Canada Food Production and Inspection Branch for use in registered establishments

PACKAGING

Unit Size	Part A	Part B	Weight*
3 gallons	1 x 2	1 x 1	36 lbs.

*approximate shipping weight

LIMITATIONS

- ➔ minimum application temperature is 55°F
- ➔ chemical exposure, service temperatures, mechanical abuse, and housekeeping influence service life

INSTALLATION GUIDELINES

Pre-installation: As is the case with any impermeable floor coating, any concrete slab on grade to receive this product should be tested for moisture content while in the planning and estimating stages. Product should only be installed if moisture content falls within acceptable range or **MVP** is used as a primer Consult **POLYMERICA** Bulletin SP-C for details.

Preparation: Surface must be properly prepared and primed. Prime with **EPS**-pigmented. Sand before coating or observe **EPS** recoat window. Consult **POLYMERICA** Bulletin SP-C for details.

Mixing: Observe all precautions on MSDS and label when using this product. Premix components with a low-speed drill equipped with a Jiffy Mixer for at least two (2) minutes, then mix 2A : 1B by volume for an additional two minutes.

Coating Application: Pour onto floor in beads, spread with a notched squeegee, and lightly backroll to remove ridges. Normal application rate is 8 - 10 mils or 160 - 200 square feet per mixed gallon. For textured surfaces, broadcast silica or quartz aggregates to excess while **SLE** is still wet, and allow to cure. Sand cured surface lightly with a rotary sander, then sweep and vacuum debris. Recoat with **SLE** in the same manner as the base coat.

Slurry Application: After blending liquids, add 50 lbs. of **SLF** per 3 gallons of **SLE** Part A and B and blend for an additional two minutes. Pour onto floor in beads, spread with a cam topper at 1/16" to 1/8", and deaerate with a steel porcupine roller For textured surface, slurry may be broadcast (see coating application instructions).

Cure: Re-coat in 6 - 10 hours at 70°F. Shorter re-coat times affect gloss. Foot traffic in 8 - 12 hours. Full chemical cure in 3 - 5 days.

Clean-Up: Clean skin with soap and water Use MEK or proprietary epoxy thinners for equipment.

PHYSICAL PROPERTIES

Composition:	Two-component amine adduct cured epoxy
Color:	All MasterShield colors (see color card)*
Gloss: 60°:	100
Weight/gallon:	11.09 lbs., mixed
Solids Content:	100%
Mix Ratio:	2A : 1B by volume
Pot Life:	20 min. @ 70°F (3-gallon kit)
Viscosity:	1,000 cps. mixed approx.

*custom colors available with restrictions

PERFORMANCE PROPERTIES

Compressive Strength: (ASTM C-579)@ 7 days	11,500 psi.
Compressive Strength: (ASTM D-695) @ 7 days	14,250 psi.
Tensile Strength: (ASTM D-638) neat	8,800 psi.
Elongation (ASTM D-638)	5.5%
Adhesion: (ASTM D-4541) to metal:	2,500 psi.
to concrete:	350 psi. (concrete fails)
Hardness: (ASTM D-2240)	80 (Shore D)
Indentation (MIL-D-3134F)	no indentation
Impact Resistance (MIL-D-3134F)	16 ft. lbs. (concrete fractures)
Abrasion Resistance: (ASTM D-4060)	35 - 40 mg. loss CS-17 wheel, 1 kg. load, 1,000 cycles
Water Absorption (ASTM C-413)	0.1%
ADA Coefficient of Friction (ASTM C-1028)	0.6 - 0.8 depending upon surface texture specified
Service Temperature:	160°F immersion 185°F dry heat

SAFETY

Material Safety Data Sheets are available from **POLYMERICA** and should be consulted prior to use of the product. These products are intended for use by professionals only. Keep away from children and those not trained in the use and potential hazards involved.

LevelMaster SLE is a two-component epoxy system. Part A contains epoxy resins. Part B contains amine epoxy adducts. Workers should wear gloves, goggles and body covering clothing when mixing or applying product. Clean up with soap and warm water. Be sure to follow all label and MSDS cautions.

For additional information, visit our web site:
www.polymerica.com
Or e-mail us at - info@polymerica.com

CHEMICAL RESISTANCE

Reagent

	Rating
Acetic Acid 5%	L
Acetone	L
Bleach	L
Citric Acid-30%	R
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid-15%	R
Lactic Acid-15%	R
Methyl Ethyl Ketone	L
Nitric Acid-10%	R
Skydrol	R
Sodium Hydroxide	R
Sulphuric Acid-30%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R - Recommended for continuous service

L - Limited recommendation, occasional spills

This chart is intended as an aid in evaluating the performance of these systems in various chemical exposures at 75°F. The data is intended as a guide only. In severe or combination exposures, a sample should be tested under actual or simulated use conditions.

Product data is revised as needed to reflect the most recent technology and field experience. Consult **POLYMERICA** for current printing date of literature.

WARRANTY

POLYMERICA warrants its products to conform to its manufacturing standards. **POLYMERICA** will replace or refund the purchase price of non-conforming products at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of noncompliance and no later than one year from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product data or warranty.

IMPORTANT NOTICE

These products are sold subject only to the express warranties contained herein. There are no other warranties by **POLYMERICA** of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of this product. Information contained herein is based on data believed to be reliable, however, it is the Buyer's responsibility to satisfy itself of the suitability of the product for a particular purpose.

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