

100% Solids, Low Viscosity Amido Amine Cured Epoxy, Ideal for Coating Floors and Aisles

ARC SL-E is a 100% solids, amido amine cured epoxy sealer/traffic coat. It has been formulated so that it can be modified, by the addition of silica flour, for use as a self-leveling epoxy floor topping or, by broadcasting into with a blended aggregate, as a slip resistant surface. When cured SL-E provides durable floor protection with high visibility and ease of maintenance and cleaning.

ARC SL-E thin film industrial coating is designed to:

- Protect new and old concrete subject to mild chemical and/or physical damage
- Replace tiles, outlast paints and other concrete coatings
- Apply by roller, brush, or squeegee

Application Areas

- Process floor areas
- Traffic aisles
- Ramps
- Clean rooms
- Locker/shower room
- Laboratories

Packaging and Coverage

Nominal, based on a 500 µm (20 mil) thickness

- 11.3 liter kit covers 22.6 m² (121.6 ft²)
- 53 liter kit covers 106.00 m² (1141 ft²)

Note: Components are pre-measured and pre-weighed.

Each Kit includes mixing and application instructions.

Colors: Light grey, dark grey, yellow, red



Features and Benefits

- **Durable high-performance coating**
 - Dramatically outlasts conventional paints and coatings
- **100% solids; no VOCs; no free isocyanates**
 - Enhances safe use
 - No shrinkage on cure
- **Can be applied to dry or damp concrete**
 - Saves time by allowing application under a variety of conditions
- **Surface modified mineral reinforcements**
 - Excellent resistance to permeation
- **Achieves strong adhesion to concrete**
 - Resists delamination and provides long-term protection

Technical Data

Composition	Matrix	A modified epoxy resin reacted with polyamidoamine curing agent	
	Reinforcement (Proprietary)	Blend of surface modified mineral reinforcements providing resistance to permeation and chemical attack	
Cured Density		1.3 gm/cc	81 lb/cu.ft.
Pull-Off Adhesion	(ASTM D 4541)	35.1 kg/cm ² (3.4MPa)	>500 psi concrete failure
Compressive Strength	(ASTM D 695)	612 kg/cm ²	8,700 psi
Tensile Strength	(ASTM D 638)	295 kg/cm ²	4,200 psi
Tensile Elongation	(ASTM D 638)	1.01%	1.01%
Flexural Strength	(ASTM D 790)	555 kg/cm ²	7,900 psi
Flexural Modulus	(ASTM D 790)	2.67 x 10 ⁴ kg/cm ²	3.8 x 10 ⁵ psi
Thermal Compatibility to Concrete 5 cycles/dry/< -10°C to 50°C (<14°F to 122°F)	(ASTM C 884 modified)	Pass	
Hardness Shore D	(ASTM D 2240)	80	
Maximum Temperature (Dependent on service)	Wet Service Dry Service	52°C 93°C	150°F 200°F
Shelf life (unopened containers)	2 years [stored between 10 °C (50°F) and 32°C (90°F) in dry, covered facility]		