



UniTile LV Sealer

Product Data Sheet



PRODUCT DESCRIPTION

UniTile LV Sealer is a two-component, epoxy polyamide penetrating primer/sealer. This unique industrial maintenance coating is especially formulated to penetrate, prime, and seal porous surfaces.

PACKAGING & SHELF LIFE

Part A:	Part B:
1 gallon (3.8 liter) bucket	1 gallon (3.8 liter) bucket
5 gallon (19 liter) pail	5 gallon (19 liter) pail

Shelf life 12 months if unopened containers stored between 50°F and 100°F (10°C and 38°C).

BASIC USES & ADVANTAGES

UniTile LV Sealer is used to seal porous substrates and to improve adhesion when applying epoxy and polyurethane topcoats. If used on exterior surfaces without an approved topcoat, UniTile LV Sealer will amber or darken on aging.

Advantages:

- **Adhesion:** the penetrating action of UniTile LV Sealer imparts a tenacious chemical and physical bond to concrete, brick, wood, fiberglass, plaster or drywall. This sealer creates an excellent bond with most topcoats to these substrates.
- **Non-Lifting:** any of GAF's coatings may be applied over cured UniTile LV Sealer without lifting or bubbling this solvent-resistant primer/sealer.

- **Deep Penetration:** the thin viscosity of the liquid allows UniTile LV Sealer to penetrate very small crevices and preserve dense, steel troweled concrete, float finish concrete, sandblasted concrete or similar surfaces.
- **Eliminates Concrete Dusting:** in-depth protection eliminates concrete dusting and affords years of minimum maintenance.
- **Anti-Spalling:** applied to concrete decks, walks, industrial areas, etc., UniTile LV Sealer effectively protects concrete from intrusion of destructive salts, oils, solvents and gasoline. It prevents damage from freezing and spalling, preserving concrete in a stable condition.

PHYSICAL PROPERTIES

UNITILE LV SEALER	
Mixing Ratio	1 to 1 by volume (1A:1B)
Mixed Usable Pot Life	8 hours @ 75°F (24°C), 50% RH 4 hours @ 95°F (35°C), 50% RH
Solids by Weight	(Mixed) 58% (± 1) [ASTM D2369]
Solids by Volume	(Mixed) 53% (± 1) [ASTM D2697]
VOC	<420 grams/liter

Temperature Limit for Normal Service	-70°F to 150°F (-56°C to 66°C)
Dry Time to Touch	1 hour @ 75°F (24°C), 50% RH
Cure Time	6 hours @ 75°F (24°C), 50% RH
Color	Standard Clear

APPLICATION INSTRUCTIONS

UniTile LV Sealer may be applied by brush, roller or spray. Airless spray is the preferred method. Any airless spray equipment capable of 1,000 psi (6,890 kPa) and ½ gallon per minute (1.9 l/minute) delivery can be used. A reversible self-cleaning spray tip with orifice size of .015" to .025" (.38 mm to .64 mm) and minimum 40 degree fan angle is recommended. For maximum production on large projects, airless spray equipment capable of 2,000 psi (13,790 kPa) and 1 gallon per minute (3.8 l/minute) delivery can be used. Before spraying, flush Xylol or Methyl

Ethyl Ketone (MEK) solvent through the hoses and spray gun to prevent contamination.

Coverage: Coverage rate will vary depending upon surface porosity. One coat is usually sufficient for sealing of concrete and wood surfaces prior to topcoating. Two coats may be required if the substrate is extremely porous or when the UniTile LV Sealer is being used on its own as a floor sealer.

SUBSTRATE	COVERAGE RATE
Concrete	400-500 ft ² /gal (9.8-12.2 m ² /L)
Wood	500 ft ² /gal (12.2 m ² /L)
Lightweight Concrete	200-250 ft ² /gal (4.9-6.1 m ² /L)

GAF Liquid-Applied

January 2016, supercedes May 2014

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

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LIMITATIONS & PRECAUTIONS

UniTile LV Sealer is a thin penetrating sealer. Do not use as a high-build surface coating. Substrate temperature must be a minimum of 50°F (10°C).

UniTile LV Sealer has been tested for chemical resistance against many common industrial chemical cleaners and

solvents. For floors subjected to acids or unusual chemical spillage, consult GAF's Technical Service Department for recommendations.

SAFETY & HANDLING

Solvents in **UniTile LV Sealer** are flammable. Use only in a well ventilated area. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipment that has been grounded and bonded. Avoid prolonged or repeated breathing of vapor or spray mist.

Approved (MSHA/NIOSH) chemical cartridge respirator should be worn by applicator. Avoid contact with eyes and contact with skin. For additional information, refer to OSHA guidelines and product Safety Data Sheet (SDS).

CLEAN UP

Clean equipment with Methyl Ethyl Ketone (MEK).