

PRODUCT DATA SHEET

Sikadur[®]-57 Lo-Mod LV

LOW MODULUS, LOW-VISCOSITY, EPOXY RESIN

PRODUCT DESCRIPTION

Sikadur[®]-57 Lo-Mod LV is a 2-component, 100% solids, moisture-tolerant, epoxy adhesive. It is a low-viscosity, low-modulus adhesive formulated specifically for filling cracks in gravity feed applications.

USES

Sikadur[®]-57 Lo-Mod LV may only be used by experienced professionals.

- Use neat for gravity feed of cracks in structural concrete, masonry, wood, etc.
- Seal interior slabs and exterior above grade slabs from water, chlorides, and mild chemical attack and to improve wearability.

CHARACTERISTICS / ADVANTAGES

- Tenacious crack-sealing adhesive.
- Convenient easy mix ratio A:B = 2:1 by volume.
- Advanced low-viscosity, low modulus resin.
- Moisture tolerant

PRODUCT INFORMATION

Packaging	150 gallons (drums) & 990 (totes) gallon units.
Color	Clear, amber
Shelf Life	2 years in original, unopened containers
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Condition material to 65–75°F (18–24 °C) before using.
Density	1.08 kg/lt aprox.
Viscosity	Approximately 140 cps

TECHNICAL INFORMATION

Shore D Hardness	7 Days	75 (Shore D)	(ASTM D224)
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Compressive Strength	24 Hours	5,000 psi	(ASTM C109 / C579)
	7 Days	7,000 psi	
	7 Day	1,250	(ASTM D695)
Tensile Strength	7 Day	2,500	(ASTM D638)
Elongation at Break	7 Day	40 %	(ASTM D638)
Tensile Adhesion Strength	24 hrs	500 psi	(ASTM C1583)

APPLICATION INFORMATION

Mixing Ratio	Component 'A' : Component 'B' = 2:1 by volume		
Coverage	1 gal. (3.8 liters) yields 231 cu. in. (3,785 cm ³)		
Coverage	Typical coverage is 150–175 sq.ft./gal. (3.7–4.3 sq. m/L) as healer/sealer. As a primer, coverage is 200-300 sq.ft./gal. (18.6-27.9 sq. m/L) Coverage varies with porosity and surface profile of substrate. Higher porosity concrete will reduce coverage. For crack healing, follow application instructions and allow to pond over cracks.		
Pot Life	Approximately 20 minutes		
Cure Time	Cure Through	50 - 55 wet mils.	175 min. (ASTM D1640)
	Gel Time	60g	27 min. (ASTM C881 / AASHTO M235)

SUBSTRATE PREPARATION

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants.

Preparation Work: Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means.

Steel - Should be cleaned and prepared thoroughly by blast cleaning or other equivalent mechanical means.

MIXING

Proportion 1 part Component 'B' to 2 parts Component 'A' by volume into a clean pail. Mix thoroughly for 3 minutes with Sika Paddle on low-speed (400-600 rpm) drill until uniformly blended. Mix only that quantity that can be used within its pot life.

APPLICATION METHOD / TOOLS

To gravity feed cracks - Blow vee-notched crack clean with oil-free compressed air. Pour neat Sikadur® 57 Lo-Mod LV into vee-notched crack. Continue placement until cracks are completely filled. Prior to filling, seal underside of slab if cracks reflect through.

To seal slabs - Spread neat mixture of Sikadur® 57 Lo-Mod LV overslab using a roller or squeegee, working

material thoroughly into the substrate to ensure penetration. Coverage should be uniform. Coat interior slabs and above-grade exterior slabs only.

LIMITATIONS

- Minimum substrate and ambient temperature 40°F (4°C).
- Do not thin. Addition of solvents will prevent proper cure.
- Material is a vapor barrier after cure.
- Not for filling of cracks under hydrostatic pressure at the time of application.
- Do not seal exterior slabs on grade.
- Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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