

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

3811 CURTIS
AVENUE

BALTIMORE,
MARYLAND
21226-1131

410-354-8600
800-637-6372
www.kaufman
products.net

SurePoxy VLM GEL

Description

SurePoxy VLM Gel is a gelled, 100% solids, two component, moisture-insensitive, epoxy resin system. It is a very low-modulus, flexible binder that allows for variations in temperature and stress. SurePoxy VLM Gel is designed for application to damp or dry surfaces, free of standing water. This non-shrinking product does not contain any oil extenders.

Uses

SurePoxy VLM Gel is designed for patching overhead or vertical surfaces. Up to 1 part SurePoxy Gel Aggregate can be added as a gap-filling adhesive for bonding irregularly shaped surfaces. SurePoxy VLM Gel is designed for damp or dry surfaces free of standing water.

Typical Properties - @ 75°F

Mixing Ratio	2:1 by volume
Color	A white, B - gray Mixed - lt. gray
Viscosity	Paste consistency
Shelf life	1-year minimum
Pot life, neat 1 lb.	30-40 min.
Tack-free (thin film)	5 hours

Final cure 7 days

Ultimate Physical Characteristics

after cure at 75° F and 50% relative humidity

HDT	50°C
ASTM D-648	
Bond strength	1,800 psi. @ 14 days
ASTM C-882	
Compressive strength	
3:1 mortar ASTM D-695	7,000 psi. @ 1 day 7,500 psi. @ 3 days
Comp. yield strength	6,000 psi. @ 7 days
Comp. modulus	110,000 psi. @ 7 days
Tensile strength	2,800 psi. @ 7 days
& elongation	40% psi. @ 7 days
ASTM D-638	

All values approximate - will vary with temperature and humidity.

Compliances

ASTM C-881, Type III, Grade 3, Class C
AASHTO M-235, Type III, Grade 3, Class C

Packaging

3 gallon unit

15 gallon unit

Directions

Surface Preparation

Concrete -Surface must be clean and sound. It may be dry or damp but free of standing water. Remove oil, wax, curing compound, laitance, and other foreign matter as per ASTM D-4258 and D-4259. Water blasting followed by shot blasting is the preferred method of preparation to provide a fractured aggregate profile. Also satisfactory are sandblasting or shot blasting individually Acid etching according to ASTM D-4260 with Kaufman Products Concrete Floor Etch or 15-20% muriatic acid solution can be used as an alternative. Wash the acid and loose mortar off with high-pressure water, until the slush is removed. Test with litmus paper to be sure acid is removed. Final rinse with 1% ammonia solution is beneficial. Steel - Sandblast to appropriate finish.

Proportioning/Mixing

The volumetric ratio of SurePoxy VLM Gel is 2:1 (A:B). To mix, proportion 2 parts A and 1 part B into a clean pail. Mix thoroughly for 3 minutes with paddle on low speed (400-600 rpm) drill until blend is a uniform color. Up to 1 part SurePoxy Gel Aggregate may be added to produce a mortar. Mix until uniform in consistency.

Application

Patching: Fill cavity with SurePoxy VLM Gel mortar, compact and strike off level with surrounding surface. Do not apply greater than 2" thick at one time.

Adhesive: Apply with spatula, brush or trowel on surface to be bonded. Place surfaces into contact and hold until cured.

Precautions

Do not thin SurePoxy VLM Gel. Solvents will prevent proper cure. Pot Life varies due to different temperatures. Store this product between 40-90°F. *Read Safety Data Sheet before using.* Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.

Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors, and their salespeople have no authority to change the printed recommendations concerning the use of our products.