



MULTI-LITE

POLYMER-MODIFIED LIGHT WEIGHT MORTAR

PRODUCT INFORMATION

DESCRIPTION:

SGM Multilite is a unique super polymer-modified, multi-purpose cement Mortar utilizing new Nanotechnology. This new technology is approximately 40% lighter than conventional mortars and provides the same coverage as 50 pounds of traditional mortars. Designed for installing all types of tiles over a variety of substrates, Multilite may be used for either floors or walls in both interior and exterior applications where a Latex-Portland

Cement Mortar is required to meet the most demanding installations that meet or exceed ANSI 118.4 & 118.11 Specifications.

USES:

SGM Multilite is to be used to set both vitreous and non-vitreous ceramic tiles for service requirements of residential, commercial and light industrial use. Multi-lite can be used as a non/ sag or medium bed on vertical or horizontal applications on both interior or exterior over properly prepared concrete, mortar beds, cementitious and glass matt backer units, (APA) exterior grade #1 plywood (interior use only), existing ceramic tile and gypsum board (interior wall use only). Ideal for use as a replacement for mastic in showers, bathrooms or anywhere a Type 1 adhesive is commonly used.

LIMITATIONS:

SGM Multilite may not be used directly over gypsum-based underlayments, metal, glass, plastic, fiberglass, hardwood, parquet, Luan plywood, sponge-back vinyl, resin-backed marble or agglomerates, particleboard, and asphalt sheeting. Do not use Multilite as a thick-bed mortar. Not for use with glass tiles. Use SGM Premium thinset and Southcrete 28 flexible mortar additive. Some green, red and black marbles may warp when installed with dry-set mortars containing water. Use SGM 100% solids epoxy mortar. Mechanical fasteners may be required for some heavy tiles and stone, consult manufacturer. All materials and effected areas should remain above 50 degrees F or below 100 degrees F 24 hrs prior and 72 hrs after installation.

PREPARATION:

Required methods for acceptable procedures may be found in the ANSI Handbook.

CONCRETE AND PLASTER SURFACES:

All floors should be 28 days cured and free of moisture. Concrete floors shall be structurally sound, clean and free of any wax, oily or waxy films and foreign matter. The slab should have a steel trowel or broom swept finish. Remove any liquid curing agents or concrete sealers, followed by a clear water wash. Concrete shall be free of any efflorescence and hydrostatic pressure. Test to confirm that concrete can absorb water by sprinkling water droplets. If water beads up and does not absorb into substrate, scarify surface via mechanical abrasion with a Carborundum disk followed by a clear water wash. Test again to ensure that water is absorbed into substrate before proceeding with installation. Smooth concrete should also be roughened to ensure a mechanical bond.

PLYWOOD AND WOODEN SUBSTRATES:

Plywood floors (including sub floors) shall be engineered to meet all ANSI requirements. All plywood shall be exterior grade (for interior, residential and light commercial use in dry areas only), free of dust, oil and any other foreign matters.

ALTERNATE SURFACES:

To bond over existing ceramic tile, marble, vinyl, asphalt and resilient flooring, floors must be bonded well to its sub floor and free of any wax, oil dust or paint particles. For use over existing ceramic tile; scarify surface of tile via mechanical abrasion with a Carborundum disk followed by a clear water wash. Installing large format or porcelain tiles over a non-porous surface such as waterproof membranes may require additional curing time.

MIXING:

SGM Multilite powder should be added to approximately 6 1/2 to 7 (6.1-6.6 L) quarts of clean potable water per 30 lbs (13.62KG). Mix thoroughly to a smooth paste-like trowable mix, allow mortar to slake for 5-10 minutes, then re-mix and apply. While using a mechanical mixer, do not exceed 150 rpm so not to entrain air in the mortar. Do not add additional water after mortar slakes. Excessive water in mixing will reduce the performance of Multilite. Do not reuse mortar after initial set in bucket. Stir mortar occasionally during use.

APPLICATION:

Installation shall confirm to ANSI 108.5. Apply the mortar liberally with the flat side of trowel. Use sufficient pressure to work mortar in good contact. Then comb with notched edge of trowel to leave uniform edges. Place tile while surface is wet and tacky. Spread only as much mortar as can be covered in 15-20 minutes or before surface dries. Place tiles with a twisting motion and beat lightly before initial set takes place, to fully imbed in the mortar. Mortar that has formed skin should be re-troweled before applying tile. Use proper sized notched trowel (see diagram) to ensure 100% coverage of mortar to tiles and substrate. Some irregular tiles require back buttering. NOTE: Do not tile over expansion, cold or control joints. Follow TCA handbook method EJ171 for detailed specifications.

GROUTING / CURING:

SGM Multilite will obtain a minimum cure within 12-24 hours, depending on atmospheric conditions. Normal grouting should be done 24 hours after tiles have been set. Cold temperatures or high humidity may extend curing time.

COVERAGE:

Setting requirements (sq. ft.)	30lb (11.62KG) bag
Trowel size	
1/4"x1/4"	80-90
1/4"x3/8	55-65
1/2"x1/2"	40-50
3/4" U	30-40

SPECIFICATIONS:

Meets ANSI 118.4. Follow ANSI 108.5 for installation.

LIMITED WARRANTY:

S.G.M., Inc. will replace any material proved defective with the maximum shelf life on unused material of up to one (1) year. If our products are not found to conform to our high standards, notify S.G.M., Inc. immediately in writing. There is no other obligation expressed or implied and we assume no liabilities for damage of any kind. Suitability of the product for an intended use shall be solely up to the user.

SHELF LIFE: One year in unopened properly stored container.

WARNING

ALL PORTLAND CEMENT BASED PRODUCTS MAY CONTAIN DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. THIS IS IN COMPLIANCE TO PROPOSITION 65. UPON REQUEST MATERIAL SAFETY DATA SHEETS ARE AVAILABLE.

CONTAINS FREE SILICA

DO NOT BREATHE DUST

May Cause Delayed Lung Injury (Silicosis)

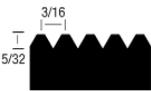
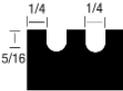
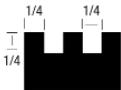
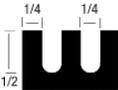
Follow OSHA Safety and Health Standards

For Crystalline Silica (Quartz)

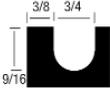
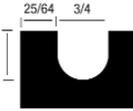
CAUTION:

Rubber gloves and protective clothing are recommended. Sensitive skin may have an allergic reaction to epoxy system. Eye irritant, wash hands thoroughly after handling and before smoking or eating. Keep out of reach of children.



ADHESIVES	DRY-SET MORTARS
<p>4-1/4 wall tile and ceramic mosaics on dry wall:</p> <p style="text-align: center;">$3/16 \times 5/32$</p> 	<p>4-1/4 wall tile and ceramic mosaics on masonry and concrete:</p> <p style="text-align: center;">$1/4 \times 1/4 \times 5/16$</p> 
<p>6 x 6 to 9 x 9 on dry wall:</p> <p style="text-align: center;">$1/4 \times 1/4 \times 1/4$</p> 	<p>6 x 6 to 9 x 9 on masonry walls or concrete:</p> <p style="text-align: center;">$1/4 \times 1/4 \times 3/8$</p> 
	<p>12 x 12 & larger on masonry walls, concrete and dry wall:</p> <p style="text-align: center;">$1/4 \times 1/4 \times 1/2$</p> 

MEDIUM BED MORTARS

<p>12 x 12 and larger size tiles on masonry or concrete, tiles with thickness variation:</p>	
<p style="text-align: center;">$3/8 \times 3/4 \times 9/16$</p> 	<p style="text-align: center;">$25/64 \times 3/4 \times 19/32$</p> 

NOTE: Trowel diagrams not drawn to scale.

TECHNICAL ASSISTANCE

For product use and installation recommendations contact a Technical Service Representative at
Toll: (800) 641-9247 Fax: (954) 943-2402

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