

PRODUCT DATA SHEET

BMI 690 Light

PLASTER



PRODUCT DESCRIPTION

BMI 690 Light is a premium pre-blended cement-lime-sand mixture that has been specially formulated for the scratch and brown coat. This pre-blended product assures consistent quality throughout the project.

USES

BMI 690 Light can be applied over any conventional substrate following the correct procedure for each different application by maintaining a proper bond and moisture barrier including:

- Open Stud
- Wood Based Sheathing
- Exterior Gypsum Sheathing
- Concrete Block/Masonry and over any conventional lath:
- Self Furred Stucco Wire
- Metal Lath
- Structa Wire

CHARACTERISTICS / ADVANTAGES

- Holds onto moisture longer thus curing slower and minimizing suction on the wall surface resulting in more color uniformity
- Reduced cracking and higher yield of finish coat applications
- Easy to use, just add water
- Spray and hand apply

APPROVALS / STANDARDS

- 2009 International Building Code (IBC)
- 2009 International Residential Code (IRC)

Material Standards:

- Portland Cement Type II/V : ASTM C-150
- Type S Lime: ASTM -C206
- Limestone, siliceous graded sands: ASTM C-897
- CITYMIX: ESR-3561

PRODUCT INFORMATION

Packaging	70 lb (31.75 kg) bag
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Protect from moisture. If damp, discard material

APPLICATION INFORMATION

Mixing Ratio	1.75 gal (6.6 L) per bag	
Coverage	70 lb bag	1.2–1.3 yd ² at 7/8"
	1 ton silo	26–28 yd ² at 7/8"

(Coverage figures do not include allowance for surface profile and porosity or material waste)

APPLICATION INSTRUCTIONS

MIXING

Continuous Mixer

- BMI 690 Light is a pre-blended product that can be mixed in a continuous mixer supplied by BMI Products.
- Using our portable silo, with a continuous mixer attached, the BMI 690 Light system is complete.
- The material is delivered in bulk form, mixed with the correct amount of water through the continuous mixer and applied on the wall.
- BMI Products trains on the job site for the first day of use to ensure correct usage of machinery.
- BMI Products has technicians available in the field for troubleshooting.

Mechanical Mixer

- When using a mechanical plaster mixer, mix for three minutes but never more than five minutes.
- DO NOT OVERMIX!

APPLICATION

- FOR COMPLETE APPLICATION PROCEDURES REFER TO ICC-ES REPORT ESR-2535.
- While BMI 690 Light is specially formulated for spray applications. It can also be applied by hand trowel. BMI 690 Light's unique formulation allows for more material to remain on the wall and not be wasted due to fallout or overspray.
- Trowel or spray on the mixture to full depth of scratch and brown.
- Level off walls but do not overwork the material.
- Do not wet float the brown coat.
- Before the finish coat is applied, BMI 690 Light needs to be cured for a minimum of 7 days per UBC code 2508. Sec. 2508.6 of the Uniform Building Code (UBC) and Sec. 2512.8 of the 2010 California Building Code (CBC) allows for immediate successive application of scratch and brown coats. BMI 690 Light meets ASTM C-926 for Portland Cement based plaster.

LIMITATIONS

- BMI 690 Light has been formulated to be used as a base material only, in preparation for a finish coat application. All claims made in reference to the outcome of the finish are based on the usage of BMI finish materials or other BMI recommended finishes.
- Product contains approximately 99 % pure recycled waste (by volume) "EPS," FOAM 35 % LIGHTER!

- Use only what material is needed and take the leftovers to your next job.

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.

LOCAL RESTRICTIONS

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

0 g/l

(EPA method 24)

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 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.

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, ecological, 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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 201-933-8300.

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Product Data Sheet
BMI 690 Light
July 2018, Version 02.01
020405020010000089

BMI690Light-en-USBMI-(07-2018)-2-1.pdf

