

PRODUCT DATA SHEET

BMI Mortar 950 Type S

MASONRY MORTAR



PRODUCT DESCRIPTION

BMI Mortar 950 Type S is a masonry mortar for many different products like: brick veneer, brick, concrete brick, concrete block and stone. Its excellent bonding properties and workability make it suitable for interior and exterior load bearing or non load bearing walls or fireplaces. This mortar gives a high bond strength with most common brick or block.

USES

- Brick & Brick veneer
- Concrete brick & concrete block
- Stone

CHARACTERISTICS / ADVANTAGES

- Excellent bonding properties
- Suitable for interior and exterior load bearing or non load bearing walls or fireplaces
- High bond strength with most common brick or block

PRODUCT INFORMATION

Packaging	80 lb (36.2 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

TECHNICAL INFORMATION

Compressive Strength	7 days	1,900 psi (13.1 MPa)	(ASTM C-270)
	28 days	> 2,000 psi (13.8 MPa)	
These are laboratory tests, simulating the strength in the wall—not in the mortar tub. Field tests from the mortar tub will be lower due to the fact that more water is added (See ASTM C-270-99 section 3 and Note 3 after section 5).			
Tensile Strength	117 psi (0.8 MPa)		(ASTM C-1072)

APPLICATION INFORMATION

Mixing Ratio	1 gal (3.78 L) per bag	
Coverage	80 lb. bag	50 standard brick or 15, 8" concrete block
	1 ton silo	20 ft ³ 800–1200 standard brick 280–320, 8" concrete blocks
(Coverage figures do not include allowance for surface profile and porosity or material waste)		
Product Temperature	65–75 °F (18–24 °C)	
Ambient Air Temperature	45–86 °F (7–30 °C)	
Substrate Temperature	45–86 °F (7–30 °C)	
Pot Life	Flow	105%
	Water retention	98.1%

APPLICATION INSTRUCTIONS

MIXING

- BMI Mortar 950 Type S contains all ingredients in dry form, only water needs to be added.
- Mix one bag of BMI Mortar 950 Type S with approximately 1 gallon of clean water to a plastic-like consistency.
- Do not mix longer than 5 minutes.

APPLICATION

- Apply to brick or block, lay brick or block on top before mortar surface has formula skin.
- Push brick or block into mortar to form uniform joints of approximately 3/8" (9.5 mm).
- Make sure that head joints are filled with mortar.
- Tool joints when mortar has set to thumb print hard.
- Tool all joints at vise set to assure uniform color of the mortar joints.

AVAILABILITY/WARRANTY

Portland Cement Type II/V	(ASTM C-150)	1 Part
Hydrated Lime Type S	(ASTM C-207)	1/2 Part
Mason Sand	(ASTM C-144)	4.5 Parts

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.

LEGAL DISCLAIMER

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

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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.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

BMI Products of Northern California Inc.
990 Ames Avenue
Milpitas, CA 95035-6303
Phone: (408) 293-4008
Fax: (408) 293-4103



Product Data Sheet
BMI Mortar 950 Type S
October 2018, Version 02.02
020405020010000096

BMI Mortar 950 Type S-en-USBMI-(10-2018)-2-2.pdf