

## PRODUCT DATA SHEET

# SikaSet<sup>®</sup> Mortar

Rapid-setting, portland-cement-based patching compound

### PRODUCT DESCRIPTION

SikaSet<sup>®</sup> Mortar is a rapid-setting, portland-cement-based patching compound.

### USES

- When mixed with water it can be used to patch concrete, brick, and stucco
- Excellent for basements, sumps, elevator pits, pools, tunnels, and sewers
- Vertical and horizontal surfaces
- Interior and exterior applications

### CHARACTERISTICS / ADVANTAGES

- Use on dry, damp, or wet surfaces.
- Extended workability for tooling.
- Non-toxic, non-corrosive, non-rusting.
- Excellent resistance to freeze/thaw cycling.
- Rapid strength gain.

### PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Packaging</b>          | 5 gal (50 lb = 22.6 kg) pail  |
| <b>Appearance / Color</b> | Gray powder   |
| <b>Shelf Life</b>         | 12 months from date of production if stored properly in original, unopened and undamaged sealed packaging |
| <b>Storage Conditions</b> | Store dry at 40–95 °F (4–35 °C)<br>Protect from moisture. If damp, discard material                       |

### TECHNICAL INFORMATION

|                             |         |                      |  |
|-----------------------------|---------|----------------------|--|
| <b>Compressive Strength</b> | 1 day   | 2,600 psi (18.0 MPa) | (ASTM C-109)<br>73 °F (23 °C)<br>50 % R.H. |
|                             | 7 days  | 6,600 psi (45.5 MPa) |  |
| <b>Tensile Strength</b>     | 7 days  | 400 psi (2.8 MPa)    | (ASTM C-496)<br>73 °F (23 °C)<br>50 % R.H. |
|                             | 28 days | 700 psi (4.8 MPa)    |  |

## APPLICATION INFORMATION

|                         |   |              |
|-------------------------|---|--------------|
| Coverage                | 725 in <sup>3</sup> (70 mL) per bag<br>(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 | > 40 °F (4 °C)  |              |
| Substrate Temperature   | > 40 °F (4 °C)  |              |
| Final Set Time          | 15 min  | (ASTM C-266) |

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

- Chip away soft, deteriorated, unsound substrate.
- Clean cavity completely. Lightly dampen the substrate just prior to application.

### PRIMING

- **Reinforcing steel:** Steel reinforcement should be thoroughly prepared by mechanical cleaning to remove all traces of rust. Where corrosion has occurred due to the presence of chlorides, the steel should be high pressure washed with clean water after mechanical cleaning. For priming of reinforcing steel use Sika® Armatec® 110 EpoCem (consult PDS).
- **Concrete Substrate:** Prime the prepared substrate with a brush or sprayed applied coat of Sika® Armatec® 110 EpoCem (consult PDS). Alternately, a scrub coat of SikaSet® Mortar can be applied prior to placement of the mortar. The repair mortar has to be applied into the wet scrub coat before it dries.

### MIXING

- Mix with clean water to obtain desired consistency.
- Do not over-mix.
- Do not over-wet.
- Do not re-temper.

### APPLICATION

- Trowel into place.
- Knead into honeycombs with rubber-gloved hand.

## LIMITATIONS

- Use only potable water for mixing.
- As with all cement based materials, avoid contact with aluminum to prevent adverse chemical reaction and possible product failure. Insulate potential areas of contact by coating aluminum bars, rails, posts etc. with an appropriate epoxy such as Sikadur® Hi-Mod 32.

## 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.

### 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](http://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.

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.

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**Product Data Sheet**

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