



PRODUCT DATA SHEET

Edition 06.2017/v1

# SikaMur<sup>®</sup>-102 Masonry

ECONOMICAL, READY-TO-USE, BAGGED MORTAR FOR LAYING MASONRY ELEMENTS

**Description** This mortar is formulated with a combination of hydraulic cement, lime, graded sand and admixtures to improve the product properties. It is intended for interior and exterior masonry works for laying concrete blocks, bricks or stones. **When used following instructions, this product meets the CSA A179-04 requirements.**

**Where to Use**

- For interior and exterior masonry works
- For laying concrete blocks, bricks or stones

**Technical Data**

<b>Packaging</b>	30 kg (66 lb) bag
<b>Colour</b>	Concrete Grey
<b>Yield</b>	0.016 m <sup>3</sup> (0.55 ft <sup>3</sup> ) per bag
<b>Shelf Life</b>	1 year in original, unopened bag. Store dry between 5 and 32 °C (40 and 90 °F), ensuring that product is not exposed to rain, condensation or high humidity. For optimal results, condition material between 18 and 24 °C (65 and 75 °F) before using.
<b>Mix Ratio</b>	Start with 4 L (1.06 US gal) of potable water per bag. Do not exceed 4.4 L (1.16 US gal)
<b>Properties at 23°C (73°F) and 50% R.H.</b>	
<b>Compressive Strength ASTM C109</b>	
<b>7 days</b>	2.5 MPa (360 psi)
<b>28 days</b>	5 MPa (725 psi)

*Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.*

**HOW TO USE**

**Surface Preparation** Existing surfaces in contact with the mortar must be clean, exempt of any grease or dust and must be profiled in order to provide proper bond. Make sure the ambient and product temperatures are between 7 °C (45 °F) and 35 °C (95 °F) for at least 48 hours prior beginning the work. Concrete surfaces must be saturated but without ponding water before use.

**Mixing** Always use clean tools and mixing containers. Pour the full content of bag in a wheelbarrow, mixer or on a smooth and clean surface. Add 4 L (1.06 US gal) of potable water per bag and mix until a uniform and homogeneous consistency is achieved. Add water to extend the mix if necessary, without exceeding 4.4 L (1.16 US gal) per bag. Excess water reduces strength and durability of mortar.

**Application** Blocks and bricks must be dampened with water before installation. Spread a layer of mortar on the base and on the end of the element to be installed. Using a level or a chalk line, align and gently tap to properly seat the element, making sure that all joints are filled adequately. Dispose of any mortar that has been mixed for more than 1 ½ hours.

**Finishing** The joints must be finished using a brick jointer as soon as the mortar is hard enough, or when finger pressure barely leaves any traces

**Curing and Protection** Protect surfaces from the sun, wind, rain and maintain the temperature between 7 °C (45 °F) and 35 °C (95 °F) for the next 72 hours.

**Clean Up** Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically. Wash soiled hands and skin thoroughly in hot soapy water or use Sika<sup>®</sup> Hand Cleaner towels.

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**Limitations**

- Direct sunlight and strong wind may affect the workability of the product.
- **Important:** protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps and making the product not suitable for use.

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**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY

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The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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