



**PRODUCT DATA SHEET**

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CSC Master Format™ 04 00 00  
MASONRY

# SikaMur®-103 RestoJoint

## TYPE O REPOINTING MASONRY MORTAR

**Description** SikaMur®-103 RestoJoint is a ready-to-use Type O mortar incorporating Type S hydrated lime, GU-type hydraulic cement, graded silica sand and other specifically selected components. Formulated for the repointing of clay bricks or stones (limestone, granite or sandstone), it is specially formulated for vertical interior/exterior applications. SikaMur®-103 RestoJoint meets CSA A179-04 requirements.

**Where to Use** For repointing clay bricks, concrete blocks, stones (limestone, granite, sandstone) on:

- Historical buildings
- Ancestral houses
- Monuments

**Advantages**

- Excellent resistance to freeze-thaw cycles.
- Increased bond strength.
- Great workability.
- Meets CSA A179-04 requirements

<b>Technical Data</b>	
Packaging	25 kg (55 lb) bag
Colour	Grey
Yield	0.013 m <sup>3</sup> (0.5 ft <sup>3</sup> ) per 25 kg (55 lb) bag
Shelf Life	12 months in original, unopened bag. Store dry, ensuring that product is not exposed to rain, condensation or high humidity.
Mix Ratio	3.3 L (0.88 US gal.) of potable water per 25 kg (55 lb) bag
<b>Properties at 23 °C (73 °F) and 50 % R.H.</b>	
Compressive strength ASTM C109	24 hours: > 1 MPa (> 145 psi) 7 days: > 3 MPa (> 435 psi)
Setting time ASTM C191	Initial: 3 h approx. Final: 4 h 30 min approx.

*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** Substrate and surfaces in contact with the mortar must be clean and sound. Remove any grease, disintegrated or friable materials and any other bond-inhibiting matter in order to provide a good adherence between the mortar and the construction elements. Make sure that the ambient temperature is between 8 and 35°C (46 and 95°F) and that the product is preconditioned within this temperature range for at least 48 hours before the application.

**Tuckpointing** : Typically, joints to be repointed will need to be cleaned out at a minimal depth of 19 to 25 mm [3/4 to 1 in, for regular joints of 9.5 mm (3/8 in)]. Remove the deteriorated mortar in order to achieve a vertical surface at the bottom of the joint. Using an electric angle grinder fitted with a 3 mm (1/8 in) diamond-tipped blade, start by cleaning the horizontal joints. If needed, use a flat utility chisel and a hammer to break out the old mortar in the joint. Do not use percussion tools which could damage the brick cladding. Clean the bottom of the joint to remove non-adhering or friable material with a brush, pressure washer or compressed air (low pressure air lance). If the mortar is deteriorated on more than half of its depth, it will be preferable to remove the weakened bricks, clean them up and reinstall them on a fresh bed of specially formulated brick-laying mortar, such as SikaMur®-116 BrikMix Type N.

**Mixing** Mix using a heavy-duty low speed electric drill/mixer (300 - 450 rpm) fitted with a mixing paddle (*Jiffy* or *Exomixer*®/ spiral type). Pour 3.3 L (0,88 US gal.) of potable water in a clean pail; start mixing and slowly add the entire content of the 25 kg (55 lb) bag. Mix for three (3) minutes or until a homogeneous and workable mix is achieved. (**Consistency tip:** Mortar should be firm enough to be formed in the shape of a ball of material without collapsing.) Let the material stand for 30 to 45 minutes, add water (approx. 625 mL) and resume mixing for one (1) additional minute to get the desired consistency. Should a colouring agent be added to the mix, add the colorant to the mixer and continue mixing for 5 to 10 additional minutes or until the desired and uniform colour is obtained.

<b>Application</b>	Mist the brick surface and the existing mortar in the adjacent joints before starting the application. Use a pointing trowel and a tuck jointer to work and pack the mortar into the joint. Depending on the depth of the joint, apply the mortar in thin layers (2 or more), working in sequences and allowing the first layer to harden partially (until thumbprint-firm). Do not start tooling the joints before the mortar has started to harden at the surface.
	<p><b>Protection</b></p> <p>Protect freshly repaired surfaces from sun, wind or rain. Maintain the temperature between 8 and 35 °C (46 and 95 °F). Protect from freezing for the next 72 hours.</p>
<b>Clean Up</b>	Clean all tools and equipment immediately after use with water. Once hardened, material can only be removed mechanically. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner towels.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>▪ <b>Important:</b> protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps which makes the product unusable.</li> <li>▪ Do not add water to the mixed mortar once the application has started.</li> <li>▪ Use only potable water and do not overwater.</li> <li>▪ Mortar should be used within 1 ½ hours following mixing if temperature ≥ 25 °C (77 °F). When exposed to lower temperatures, the delay to use the mortar will be prolonged.</li> <li>▪ Do not apply mortar on frozen elements.</li> <li>▪ Always mix complete units (bags).</li> <li>▪ The use of additive or admixtures is not recommended. Please contact Sika Canada.</li> <li>▪ SikaMur®-103 RestoJoint is not designed for laying masonry elements (bricks, concrete blocks, stones, etc.), use instead SikaMur®-116 BrikMix Type N for bricks or SikaMur®-104 InstaBlok Type S for concrete blocks.</li> </ul>
<b>Health and Safety Information</b>	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

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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