

CULTURED BRICK & STONE

The installation of cultured brick and stone is not overseen by the CSA standards.



However, taking into account the specific desired mortar properties, Sika recommends the use of a polymer-modified mortar such as King® MasonBond 400®.



COLOUR MATCHING

Ensuring the perfect colour match is essential to a successful project. At Sika Canada, our trained laboratory staff is able to match the designed colour using the best quality pigment available.

In order to keep pace with jobsites, while giving priority to quality products, we also offer the possibility to colour your mortars on site thank to the exclusive King® Colour-Plus Pigment System offered by Sika Canada.

TRAINING CENTRE

At Sika Canada, we adhere to the principle of knowledge sharing. To learn more about our products or to find out about techniques and good practices in terms of restoration, ask your Sika Canada Sales Representative about the next seminar at our training centre.

Sika is happy to assist you with your projects by providing recommendations. However, please note that the information and advice contained in this section and any other advice is given in good faith on the basis of Sika's current knowledge and experience of the products when properly stored, handled, and applied under normal conditions and in accordance with Sika's recommendations. This information applies only to the products expressly covered herein. In the event of changes in application conditions, such as changes in substrates, etc., or in the event of an application other than that described herein, the user should consult Sika Technical Services prior to using Sika products. The information and data contained in this section are provided solely to provide the user with additional information on Sika products. The contents hereof in no way dispense the user of Sika products from testing them before applying them for the intended purpose. All orders for Sika products are subject to Sika's current Terms and Conditions of Sale available on Sika's website. The user must always refer to the most recent version of the local Sika Product Data Sheet prior to each use, available on the Sika website, copies of which will be supplied on request. The user should always refer to the most recent version of the local Sika Product Data Sheet for information on the applicable Sika Limited Warranty.

OUR LOCATIONS

Head Office

601, Delmar Avenue,
Pointe-Claire (Quebec) H9R 4A9

Other locations

Boisbriand (Quebec)
Brantford; Cambridge; Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (Colombie-Britannique)

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BUILD

**SELECTION GUIDE
FOR MORTARS
AND GROUTS FOR
NEW CONSTRUCTION**

SELECTION GUIDE FOR MORTARS AND GROUTS FOR MODERN MASONRY UNITS (CSA A 179-14, TABLE A.1)

APPLICATION	APPLICATION BUILDING SEGMENT	RECOMMENDED MORTAR TYPE	KING PRODUCT
EXTERIOR, ABOVE GROUND	Load-bearing walls requiring high compressive strength	S	King® 2-1-9
	Load-bearing walls requiring low compressive strength	N	King® 1-1-6
	Non-load-bearing walls	N	King® 1-1-6
	Parapets walls and masonry exposed to a high level of saturation such as chimneys and free-standing exterior walls	S	King® 2-1-9
EXTERIOR AT/OR BELOW GROUND LEVEL	Foundation walls, retaining walls, man-holes, sewers, pavement, walks, patios	S	King® 2-1-9
INTERIOR	Load-bearing walls requiring high compressive strength	S	King® 2-1-9 King® Block
	Load-bearing walls requiring low compressive strength	N	King® 1-1-6 King® MasonGO 100
	Non-load-bearing walls	N	King® 1-1-6 King® MasonGO 100

MINIMUM COMPRESSIVE STRENGTHS (CSA A179-14 TABLE 6)		LABORATORY	ON SITE
TYPE N	7 Days	3.0 MPa (435 psi)	2.0 MPa (290 psi)
	28 Days	5.0 MPa (725 psi)	3.5 MPa (508 psi)
TYPE S	7 Days	7.5 MPa (1088 psi)	5.0 MPa (725 psi)
	28 Days	12.5 MPa (1813 psi)	8.5 MPa (1233 psi)

NOTE: This selection guide only applies to new construction. In the case of a restoration project, please refer to the selection guide for mortars and grouts for restoration of historical buildings published by Sika, and available on the website at www.sika.ca

SELECTION GUIDE FOR GROUTS

LOAD-BEARING CAPACITY*	PRODUCT**	MINIMUM MPA (PSI) @ 28 DAYS
MEDIUM	King® CELLFILLER E-20	20 MPa (2900 psi)
HIGH	King® CELLFILLER E-30	30 MPa (4350 psi)

*Sika Canada recommends to always consult a structural engineer when calculating the loadbearing capacities of a wall.

**All masonry grouts presented in this guide are of expansive type. Sika Canada recommends always to use a grout with expansive properties. The expansion compensates for the shrinkage usually observed.

SUSTAINABILITY & LEED CONTRIBUTIONS

MANUFACTURER INVENTORY KING 1-1-6

SIKA'S SUSTAINABILITY COMMITMENT
As a global company, Sika is committed to sustainable development. Through continuous investing, research, training and innovation, we are committed to our customers, the environment and our employees. We are committed to the well-being of our employees and contribution to the communities where we live and work.

PURPOSE
Sika Corporation, in conjunction with Sika Canada Inc., the Developer/Manufacturer, undertakes to support and enhance the environmental and social performance of the project through the use of the following products: Sika® 1-1-6 Mortar, Sika® 1-1-6 Grout, Sika® MasonGO 100, Sika® MasonGO 100 Grout, Sika® MasonGO 100 Mortar, Sika® MasonGO 100 Grout, Sika® MasonGO 100 Mortar, Sika® MasonGO 100 Grout.

LEED v4/v4.1 Credits:

- MR Credit - Building Product Disclosure & Optimization: Environmental Product Declaration
- MR Credit - Building Product Disclosure & Optimization - Material Ingredients: Manufacturer Inventory
- MR Credit - Building Product Disclosure & Optimization - Sourcing of Raw Materials: Raw material source & extraction reporting

PRODUCT-SPECIFIC TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD)

The development of this environmental product declaration (EPD) for Sika Masonry Mortars and Grouts is a commitment by Sika Canada Inc. The product-specific Type III environmental product declaration (EPD) was developed in accordance with CAN/CSA-C143-14 (EN ISO 14025) for Concrete (CE/C) and has been verified by the Alliance for Sustainable Materials Canada.

The EPD includes the Life Cycle Assessment (LCA) results for the production stage only. Transportation and installation are excluded from the environmental footprint.

For more information about Sika Canada Inc., please go to www.sika.ca

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Visit the Mortars and Masonry Grouts section of the Sika Canada website to discover our product portfolio and resource centre including: Product and Safety Data Sheets, Colour Charts, Quantity Estimator, Selection Guides, Specification Templates and LEED documentation.