

C AND VC SERIES

Nowadays, the particle of the sand used in modern mortars is often not suitable for the restoration of historic buildings. Reason why we introduced the C and VC series mortars contains a coarser sand. The majority of restoration mortars now manufactured by Sika Canada are available in regular version, C Series or VC Series.

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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RESTORE



SELECTION GUIDE FOR MORTARS AND GROUTS FOR THE RESTORATION OF HISTORICAL BUILDINGS

MORTAR SELECTION

YEAR OF CONSTRUCTION	TYPE OF WORK	COMPRESSIVE STRENGTH ^(a)	RECOMMENDATIONS
BEFORE 1900	BEDDING	LOW-MEDIUM	King® HLM-500
		MEDIUM-HIGH	King® HLM-500
	REPOINTING	LOW-MEDIUM	King® HLM-350
		MEDIUM-HIGH	King® HLM-500
FROM 1900 TO 1940	BEDDING	LOW-MEDIUM	King® HLM-500 or King® MasonMix
		MEDIUM-HIGH	King® MasonMix 600
	REPOINTING	LOW-MEDIUM	King® HLM-350 or King® MasonCare® 300 or King® MasonCare® 1258
		MEDIUM-HIGH	King® HLM-500
FROM 1940 TO 1975	BEDDING	LOW-MEDIUM	King® HLM-500 or King® MasonMix
		MEDIUM-HIGH	King® MasonMix 600
	REPOINTING	LOW-MEDIUM	King® MasonCare® 300 or King® MasonCare® 1258
		MEDIUM-HIGH	King® HLM-500 or King® MasonMix 600
FROM 1975 TO TODAY	BEDDING	LOW-MEDIUM	King® 1-1-6
		MEDIUM-HIGH	King® 2-1-9
	REPOINTING	LOW-MEDIUM	King® MasonCare® 300 or King® MasonCare® 1258
		MEDIUM-HIGH	King® 1-1-6 or King® 2-1-9

^(a) Low to medium compressive strength: regular walls.

Medium to high compressive strength: Parapets, foundation wall, chimney, load bearing walls, stairs.

PRODUCT	APPLICATION	BINDER	AVERAGE COMPRESSIVE STRENGTH ^(b)		MINIMUM CURE
			7 days	28 days	Humid ^(d)
King® HLM-350	Repointing	Hydraulic Lime	0.7 MPa (101 psi)	1.8 MPa (145 psi)	3-7 days
King® HLM-500	Bedding	Hydraulic Lime	0.7 MPa (101 psi)	1.8 MPa (145 psi)	3-7 days
King® HLM-500	Repointing	Hydraulic Lime	More than 3MPa (435 psi) at 28 days ^(c)		3-7 days
King® 1-1-6	Bedding	Lime-Cement	3.5 MPa (435 psi)	6.5 MPa (943 psi)	No
King® 1-1-6	Repointing	Lime-Cement	More than 7 MPa (1015 Psi) at 28 days ^(c)		3-7 days
King® MasonCare® 300	Repointing	Lime-Cement	3.5 MPa (507 psi)	4 MPa (580 psi)	3-7 days
King® MasonCare® 1258	Repointing	Lime-Cement	4 MPa (580 psi)	4.5 MPa (652 psi)	3-7 days
King® MasonMix	Bedding	Lime-Cement	2 MPa (290 psi)	2.5 MPa (363 psi)	No
King® MasonMix 600	Bedding	Lime-Cement	3 MPa (435 psi)	4 MPa (580 psi)	No
King® MasonMix 600	Repointing	Lime-Cement	More than 6 MPa (870 Psi) at 28 days ^(c)		3-7 days

^(b) Compressive Strength: Results obtained in laboratory, on site result may vary.

^(c) Final resistance will depends on many factors.

^(d) Time for cure depends on many factors, especially winds and temperature.

NOTE: This selection guide applies to masonry restoration project. In the case of a new construction, please refer to [the selection guide for mortars and grouts for new construction](#) published by Sika Canada, and available on the website at www.sika.ca

SELECTION CRITERIA FOR MORTARS

Several principles must be respected when it comes to successful restoration projects. Among the most important, are the following:

- Avoid introducing a raw material that was not part of the original building;
- In terms of compressive strength, the new mortar should be of equal or lower value than the original mortar;
- In terms of vapour transmission, the new mortar must have equal or higher values then the original mortar.

Other factors to consider include the following:

- The time of the year when the restoration work will take place;
- The building element to be restored (i.e. Chimney, buttress, foundation wall, etc.) ;
- The time frame, work-force, budget, etc.

GROUT SELECTION

YEAR OF CONSTRUCTION	RECOMMENDATIONS
Before 1900	King® HL-5
From 1900 to 1975	King® HL-5 or King® RPL-6
From 1975 to today	King® RPL-6 or King® RPL-20

PRODUCTS	BINDER	COMPRESSIVE STRENGTH AT 28 DAYS
King® HL-5	Hydraulic lime	5 MPa (725 psi)
King® RPL-6	Air Lime and Portland Cement	6 MPa (870 psi)
King® RPL-20	Air Lime and Portland Cement	15-20 MPa (2175-2900 psi)



Visit the **Masonry Heritage Mortars & Grouts** section of the **Sika Canada website** to discover our product portfolio and resource centre including:

Product Data and Safety Sheets, Selection Guides and Specification Templates.