

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, King recommends the use of a polymer-modified mortar such as King MasonBond 400.



GLASS BLOCKS

According to CSA A 371-14, mortar for glass block masonry shall:

- A »** Be a Type S mortar for exterior exposure, and a Type S or Type N mortar for interior exposure, and
- B »** Contain waterproofing material suitable for exterior exposure.

KING recommends the use of KING MasonGlass.



KING LOCATIONS

Oakville Office

555 Michigan Drive, Suite 100,
Oakville, ON, L6L 0G4
Ph.: (905) 639-2993
Fax: (905) 333-3730

Brantford Office

541 Oak Park Rd.,
Brantford, ON, N3T 5L8
Ph.: (519) 756-6177
Fax: (519) 756-7490

Sudbury Office

644 Simmons Rd.,
Dowling, ON, P0M 1R0
Ph.: (705) 855-1155
Fax: (705) 855-1122

Boisbriand Office

3825 rue Alfred-Laliberté,
Boisbriand, QC, J7H 1P7
Ph.: (450) 430-4104
Fax: (450) 430-6855

Distributed by:

1-800-430-4104 • masonry@kpmindustries.com
www.king-masonry.com

THE MASONRY PEOPLE

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	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 KING, and available on the website at www.king-masonry.com.

SELECTION GUIDE FOR GROUT

Load-Bearing Capacity*	Product**	MPa (psi) @ 28 Days
LOW	CellFiller E-15	15 MPa (2175 psi)
MEDIUM	CellFiller E-20	20 MPa (2900 psi)
HIGH	CellFiller E-25 CellFiller E-30	25 MPa (3625 psi) 30 MPa (4350 psi)

*King Packaged Material Company recommends to always consult a structural engineer when calculating the load-bearing capacities of a wall.

**All masonry grouts presented are expansive type. KING recommends to always use a grout with expansive properties. The expansion compensates for the shrinkage usually observed.

The management system governing the production of all KING products is ISO 9001:2015 registered.