

TYPE S MORTAR - DIVISION 04

KING 2-1-9

KING 2-1-9 is a pre-blended, pre-packaged Type S Mortar specifically designed for use with clay, concrete and stone masonry units when a higher compressive strength is required. This mortar is a blend of Portland cement, Type S hydrated lime, masonry sand and other carefully selected components. KING 2-1-9 conforms to CSA A179-04 for Type S mortar with the addition of water. It is grey in colour, but can also be blended with a variety of colouring agents.

FEATURES & BENEFITS

- High compressive strength.
- Good bond strength.
- High impermeability.
- Superior workability.
- Excellent resistance to freeze-thaw cycles.
- Autogeneous healing properties.
- Pre-blended, ensuring consistency from the first batch to the last.
- All KING products are manufactured using ISO 9001:2008 Certified Processes.

USES

- For use in laying clay, concrete and stone masonry units.
- Can be applied indoors, outdoors or for any other masonry application where high compressive and bond strengths are required.

PROCEDURES

Mixing:

KING 2-1-9 should be mixed with 5 litres (1.3 US gallon) of potable water per 30 kg (66 lb.) bag, in a clean paddle mixer. Add 4.5 litres (1.2 US gallon) of water into the mixer along with 30 kg (66 lb.) of KING 2-1-9 mortar and mix for 3 to 5 minutes. If a colouring agent is being added on site, mix in for 5 to 10 minutes. Adjust mix with remaining water to bring KING 2-1-9 mortar to desired consistency.

TECHNICAL DATA

CSA A179-04

	LAB	JOBSITE	
COMPRESSIVE STRENGTH (MINIMUM)			
	7 Day	7.5 MPa (1090 psi)	5 MPa (725 psi)
	28 Day	12.5 MPa (1810 psi)	8.5 MPa (1230 psi)
FLOW			
		100-115%	130-150%
AIR CONTENT	18 % Maximum		
WATER RETENTION	70 % Minimum		

OPTIMUM PERFORMANCE

- KING 2-1-9 should not be used where Type N mortar is specified. For applications requiring conventional Type N Mortar, please refer to KING 1-1-6.
- The substrate and mortar temperature should be between 5 and 38°C (40 and 100°F) and maintained in this range for 72 hours after mortar application.
- Never use on-site admixtures to modify setting time, workability, or any other properties of plastic or hardened mortar.
- Use only the recommended water content to achieve the desired plastic and hardened mortar properties.

YIELD

- 30 kg (66 lb.) bag contains approximately 0.018 m³ (0.65 ft³) of fresh mortar.

PACKAGING

KING 2-1-9 is normally packaged in 30 kg (66 lb.) triple lined bags and bulk bags and poly wrapped on wooden pallets. All KING products can be custom packaged to suit specific job requirements.

STORAGE AND SHELF LIFE

Material should be stored in a dry covered area protected from the elements. Unopened bags have a shelf life of 12 months.

SAFETY PROCEDURES

KING 2-1-9 contains Portland cement and lime. Normal safety-wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement based products should be worn. Material Safety Data Sheets are available upon request.

Note: The contents of this data sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

V1113



Mixing Strength With Satisfaction

TYPE S MORTAR - DIVISION 04

KING 2-1-9

KING PACKAGED MATERIALS COMPANY

Burlington Office
3385 Harvester Rd.
Burlington, ON
L7N 3N2
Phone: (905) 639-2993
Fax: (905) 333-3730

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

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

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