

FINE GROUT
DIVISION 04

CELLFILLER E-20

FEATURES & BENEFITS

- » Expands during its plastic phase
- » Superior adherence
- » Factory calibrated mix
- » May be poured or pumped
- » Superior flow and performance characteristics

USES

- » Ideal for filling concrete blocks cores and other cavities when a controlled expansion is needed
- » Can be used indoors and outdoors
- » Ideal for any application requiring a uniform flow, in addition to being expansive to compensate for shrinkage generally observed with the use of conventional grouts

LIMITATIONS

- » CELLFILLER E-20 cannot be used for laying masonry units. In this case, refer to KING mortars
- » Never add additives on-site to modify setting time, fluidity or any other property of the plastic or hardened grout
- » Use only the recommended amount of water in order to obtain the desired properties of the plastic or hardened grout

CELLFILLER E-20 is a pre-mixed, pre-bagged grout specially designed for filling cells and other cavities when laying concrete blocks. This grout is composed of cementitious materials, masonry sand and other carefully selected components. CELLFILLER E-20 complies with Table 7 of CSA-A179-14 for Fine Grout with addition of water.

MIXING

Mix a maximum of 4.5 L (1.2 US gallons) of potable water per 30 KG (66 lb) of CELLFILLER E-20 in a clean mortar mixer. Pour 4.0 L (1.0 US gallon) of water into the mixer and add 30 KG (66 lb) of CELLFILLER E-20. Mix for 5 to 10 minutes. Allow the grout to rest for a short period of time. Using the remaining water, adjust the grout to obtain the desired consistency.

PLACEMENT OF GROUT

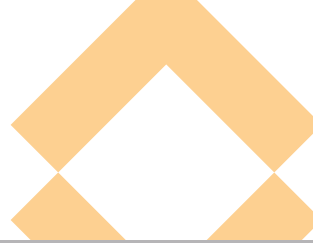
The placement of the grout must meet the requirements of Sections 6 and 8 of CSA-A371-14.

Make sure the masonry application has hardened sufficiently before placing the grout. If multiple pours are required, leave a 25 mm (1") to 75 mm (3") gap on top of the previous row to produce a key effect between pours.

Never use the grout if the cells are saturated with water.

Never use grout on frozen surfaces.

Pour the mixed product, on-site, within 15 minutes of mixing.



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PACKAGING

This product is packaged in 30 KG (66 lb), triple-lined bags or bulk bags, wrapped on wooden pallets.

STORAGE AND SHELF LIFE

Always store in a dry area, protected from the weather. On-site, an additional tarpaulin must be used to cover the product to prevent water infiltration. Unopened, properly stored bags have a shelf life of 12 months.

SAFETY PROCEDURES

This product is made of Portland Cement. Wearing safety equipment used for the handling of cement-based products is therefore recommended: rubber gloves, dust mask and safety glasses. Safety Data Sheets can be provided upon request.

TECHNICAL DATA*

	AVERAGE VALUE CELLFILLER E-20
MINIMUM COMPRESSIVE STRENGTH	
CSA A23.2-3C	
7 days	17.5 MPa (2538 psi)
28 days	20 MPa (2900 psi)
DENSITY	
ASTM C 185	
	2060 kg/m ³ (129 lb/ft ³)
EXPANSION IN A PLASTIC STATE	
	<5%
AIR CONTENT	
EN 1015-7 Method A	
	11% Maximum
DRAINAGE AND SEGREGATION	
ASTM C 940	
	<2%
WATER RETENTION	
ASTM C 1506	
	70% Minimum
SLUMP	
	200 mm (8") to 275 mm (11")
FLEXURAL STRENGTH	
ASTM C 348	
28 days	5.5 MPa (798 psi)
BOND STRENGTH	
CSA A23.2-6B	
	1.1 MPa (160 psi)
SHRINKAGE	
ASTM C 596	
	0.125%
YIELD PER 30 KG (66 LB) BAG	
	0.018 m ³ (0.65 ft ³) of fresh grout

*The average values of the KING product, are obtained under laboratory conditions.

Note: The contents of this Technical 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 Technical 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.

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