

DESCRIPTION: BLOCKFILL is a pre-blended mix of fine and coarse aggregate and Portland cement packaged in 36kg (80lbs) sacks and in One (1) cubic yard (0.76m³) bulk bags. It is available in 25MPa or other custom formulations as required in the job site. BLOCKFILL is a quality, preblended grout suitable for grouting masonry walls. The material requires only the addition of water and is designed to meet CSA A179 "Property Specification For Masonry Grout".

USES: BLOCKFILL is designed for difficult to reach projects (i.e. underground parking, high rises) and for small scale projects where ready mix supply is not feasible. BLOCKFILL may also be used for the construction or repair of foundations, floors, retaining walls and sidewalks where a quality pre-blended material is required.

ADVANTAGES: BLOCKFILL is a quick and efficient method of supplying large quantities of grout to any commercial project.

Other advantages include:

- ⇒ no site pre-blending required (water is the only additive)
- ⇒ quality controlled
- ⇒ consistent performance
- ⇒ increased productivity
- ⇒ no admixtures required

PREPARATION: For best results, BLOCKFILL grout should be mixed with a clean concrete mixer. Use only potable water. **MIXING:** Pour 3/4th of required water into the mixer. Add contents of BLOCK FILL bag into the mixer. Start mixing them together and carefully add the remaining water little at a time into the mix to get the desired slump. Mix 5 to 8 minutes. Maximum recommended water per 36 kg of dry materials is 4.2liters for BLOCKFILL Coarse and 5.0liters for BLOCKFILL Fine.

TECHNICAL DATA: The data outlined below is representative of typical values achievable under controlled laboratory conditions. Results obtained in the field may vary from those stated.

	BLOCKFILL (Coarse)	BLOCKFILL (Fine)
Slump (mm)	200-275	200-275
Air Content	2-3%	2-3%
Density: Kg/m ³	2280	2162
Set time : Initial/Final	4 hrs/ 8 hrs	4 hrs/ 8 hrs
Yield (36 kg bag)	0.018m ³ (0.024yd ³)	0.018m ³ (0.024yd ³)
Yield (Bulk bag)	0.76m ³ (1.0 yd ³)	0.76m ³ (1.0 yd ³)
Approx. number of core filled (20cm concrete blocks)	100 (Bulk Bag) 2-3 (36kg Bag)	100 (Bulk Bag) 2-3 (36kg Bag)

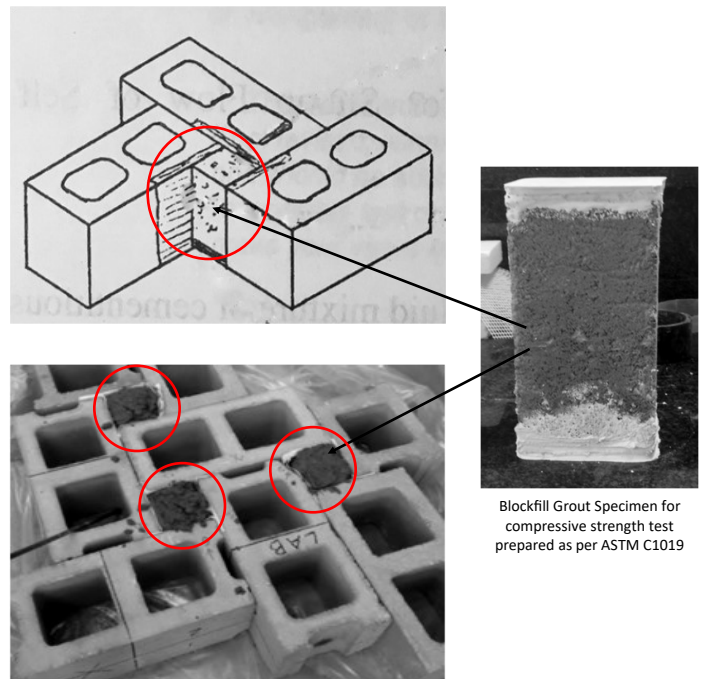
Blockfill Grout Samples cast in <u>Concrete Masonry Units</u> (ASTM C1019)		
Compressive Strength	BLOCKFILL (Coarse)	BLOCKFILL (Fine)
7 day	15 MPa	15 MPa
28 day	25 MPa	25 MPa

Blockfill Grout Samples cast in <u>Non-Absorbent Plastic Cylinder</u> ** (CSA A179)		
Compressive Strength	BLOCKFILL (Coarse)	BLOCKFILL (Fine)
7 day	7.5 MPa	6 MPa
28 day	12.5 MPa	10 MPa

****IMPORTANT NOTE:** CAN/CSA A179 (Table 7, Note 3)

Because of the moisture absorption into the surrounding masonry, the in-wall compressive strength indicated for grout is generally about 50% higher than the compressive strength indicated for grout of the same type that experiences no moisture loss when cast in non-absorbent cylinders, the minimum average 28 day compressive strengths above are recognized by CSA S304 and lead to satisfactory structural performance.

ASTM C1019—STANDARD METHOD FOR SAMPLING AND TESTING GROUT



Blockfill Grout Specimen for compressive strength test prepared as per ASTM C1019

LIMITATIONS: Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per sack will result in inferior physical properties. Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

PACKAGING: BLOCKFILL is packaged in 36kg (80lb.) sacks and in 1cubic yard (0.76m³) bulk bags. All Basalite Dry Mix can be custom packaged to meet specific requirements.

SAFETY PRECAUTIONS: BLOCK FILL contains Portland cement and other carefully selected additives. Normal safety wear such as rubber gloves, dust mask and safety glasses, used to handle conventional cement-based products, should be worn. Safety Data Sheet is available at www.basalite.ca.