

DESCRIPTION: BLOCK FILL is a pre-blended mix of fine and coarse aggregate and Type GU Portland cement packaged in 30 kg sacks and in one cubic yard (.76 m³) bulk bags. It is available in 25 MPa, 30 MPa, 35 MPa or 40 MPa formulations. BLOCK FILL is a quality, preblended grout suitable for grouting masonry walls. The material requires only the addition of water and is designed to meet CSA A 179-94 (Section 7.2.3) "Property Specification For Masonry Grout".

USES: BLOCK FILL is designed for difficult to reach projects (ie. underground parking, high rises) and for small scale projects where ready mix supply is not feasible.

BLOCK FILL 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: BLOCK FILL 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
-

PROCEDURES: 1. PREPARATION:

For best results, BLOCK FILL should be mixed with a clean concrete mixer. Use only potable water.

2. MIXING :

i) Add 3/4 of water required into mixer
Include BLOCK FILL and mix together.
Add the remaining water to bring the concrete to the desired consistency.

ii) Mix 5 to 8 minutes.

Recommended maximum water per 30 kg of material is 3.3 litres.

BLOCK FILL

PAGE 2

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.

<u>FACTOR</u>	<u>TEST METHOD</u>	<u>25 MPa</u>	<u>30 MPa</u>	<u>35 MPa</u>	<u>40 MPa</u>
Slump	CSA A 23.2-5C	150-200 mm (6" - 8")	150-200 mm (6" - 8")	150-200 mm (6" - 8")	150-200 mm (6" - 8")
Air Content	CSA A 23.2-4C	2 - 3 %	2 - 3 %	2 - 3 %	2 - 3 %
Compressive Strength MPa (psi)	CSA A 179-94				
1-Day		4 (580)	5 (725)	6 (870)	9 (1305)
7-Day		22 (3190)	23 (3336)	27 (3915)	34 (4930)
28-Day		28 (4060)	32 (4640)	37 (5365)	41 (5945)
Set Time	CSA A 23.2-26C				
Initial		4 hours	4 hours	4 hours	4 hours
Final		8 hours	8 hours	8 hours	8 hours
Density: kg/m ³ (pcf)		2318 (145)	2320 (145)	2324 (145)	2327 (145)
Yield: m ³ (Yd ³)/30 kg sack		.014m ³ (0.02)	.014m ³ (0.02)	.014m ³ (0.02)	.014m ³ (0.02)
Yield: m ³ (Yd ³)/Bulk bag		.76 m ³ (1.0)	.76 m ³ (1.0)	.76 m ³ (1.0)	.76 m ³ (1.0)
Approximate number of 20 cm blocks filled per bulk bag of BLOCK FILL		100	100	100	100

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: BLOCK FILL is packaged in 30 kg (66 lb.) sacks and in one cubic yard (0.76 m³) bulk bags. Dry weight - 1680 kg per bulk bag. All Basalite Dry Mix can be custom packaged to meet specific project 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. Material Safety Data Sheets are available upon request.

01/07