

DESCRIPTION: MULTI-PURPOSE GROUT is a sanded, non-shrink grout. This product is designed for use as a dry pack, plastic or flowable general purpose grout. It will exhibit slight expansion prior to initial set in normal working temperatures.

USES: MULTI-PURPOSE GROUT is a general purpose grout that can be used in many grouting applications such as:

1. Grouting under baseplates not subjected to heavy impact or vibratory loads.
 2. Grout jacking of concrete slabs.
 3. Underpinning of structures.
 4. Grouting holes or cracks in concrete.
 5. Void backfilling in tunnels.
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ADVANTAGES:

1. Non-bleeding / non-segregating.
2. Non-corrosive / non-chloride / non-metallic
3. Shrinkage compensating.
4. Usable over a wide range of consistencies from dry pack to flowable.

PROCEDURES:

1. **SURFACE PREPARATION:** All surfaces to be in contact with MULTI-PURPOSE GROUT must be entirely free of oil, grease, laitance or other foreign substances. Roughen exposed surfaces and clean thoroughly with potable water, leaving the concrete saturated but free of standing water.
2. **MIXING:** MULTI-PURPOSE GROUT should be thoroughly mixed to the desired consistency by varying the amount of water used. For plastic or flowable consistencies, the grout is best mixed in a high speed shear mixer. For dry pack consistency, a mortar mixer or hand mixer may be used.

<u>CONSISTENCY</u>	<u>RECOMMENDED MAX. MIXING WATER/25 kg (55 lb.)</u>
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Dry Pack	3.8 litres (1.0 US gal)
Plastic	5.5 litres (1.5 US gal)
Flowable	6.0 litres (1.6 US gal)

3. **PLACEMENT:** Place MULTI-PURPOSE GROUT at the desired consistency using established grouting procedures.
4. **CURING:** Once MULTI-PURPOSE GROUT has set, moist curing for at least one day is recommended.
5. **POT LIFE:** The pot life of the grout is approximately one hour.

MULTI – PURPOSE GROUT

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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>Test Method</u>	<u>Test Results</u>
Flow (Plastic)	ASTM C 827	100 - 125 %
Period of workability		1 hour
Final Set	CRD C621	8 hours
Plastic Expansion (% vol. unconfined)	CSA A 23.2-1B (ASTM C 940)	1 - 3 %
Bleeding (% volume)	CSA A 23.2-1B (ASTM C 940)	Nil
Segregation		Nil
Compressive Strength MPa (psi)	CSA A 23.2-1B (ASTM C 109)	
1 - Day		15 (2175)
3 - Day		22 (3190)
7 - Day		45 (6525)
28 - Day		55 (7975)
Density - kg/m ³ (lb/ft ³)		2124 (133)
Yield - m ³ /bag (ft ³ /bag)		.014 (.51)

- LIMITATIONS:**
- Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per sack will result in inferior physical properties.
 - The grout performs best when fully restrained or confined on all surfaces.
 - MULTI-PURPOSE GROUT is not designed for use as a topping.
 - The ideal temperature for grouting is between 5 - 24 ° C (41 - 75 ° F). Grouting in cooler temperatures will retard set and strength gain.
 - For pours exceeding 50 mm (2 inches) thickness and .28 m² (3 ft²) in area, add 12.5 kg (28 lb.) of clean washed well graded 10 mm (3/8 inch) minus stone to each 25 kg (55 lb.) sack of MULTI-PURPOSE GROUT to achieve adequate results.
 - Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

PACKAGING: MULTI-PURPOSE GROUT is packaged in 25 kg (55 lb.) triple-lined paper bags. All Basalite Dry Mix can be custom packaged to suit specific project requirements.

SAFETY PRECAUTIONS: MULTI-PURPOSE GROUT 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