

DESCRIPTION: MORTARTEK® is a blend of Portland cement, Type "S" lime and fine sand, packaged in 30 kg and 1200 kg ready to use bags. MORTARTEK® is designed to meet CSA A 179 M-94 for Type S or Type N mortar as specified with only the addition of water.

USES: MORTARTEK® is ideal for all high strength cement/lime mortar applications:

- concrete block
 - concrete brick
 - clay brick
 - stucco scratch coat
 - coloured masonry
 - glass block
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ADVANTAGES: MORTARTEK® offers the following advantages:

- economical
 - high strength
 - superior workability
 - no site preblending (water is the only additive)
 - quality controlled
 - increased productivity
 - increased bonding
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PROCEDURES: 1. PREPARATION:

For best results, MORTARTEK® should be mixed with a clean mortar mixer. Use only potable water.

2. MIXING:

- i) Add 3/4 of water required into mixer
 - include MORTARTEK® and mix together
- ii) Add the remaining water required to bring the mortar to the desired consistency.

Mix 3 to 5 minutes.

- iii) Maximum recommended water per 30 kg (66 lb.) bag = 5.0 litres.
Over watering will result in reduced compressive strength and inferior physical properties.

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</u>	<u>TEST METHOD</u>	<u>TYPE S</u>	<u>TYPE N</u>
Flow:	CSA A 179 - 94	100 - 115 %	100 - 115 %
Period of Workability		1 hour	1 hour
Air Content		12 - 18 %	12 - 18 %
Compressive Strength	CSA A 179 - 94		
7 - days	Lab prepared	7.5 MPa	3.0 MPa
	Job prepared	5.0 MPa	2.0 MPa
28 - days	Lab prepared	12.5 MPa	5.0 MPa
	Job prepared	8.5 MPa	3.5 MPa
Flexural Bond Strength	CSA A 179 - 94	.25 MPa	N/A
Water Retention	CSA A 179 - 94	85 - 95 %	75 - 90 %
Density: kg/m ³ (pcf)		1812 (113)	1818 (114)
Yield: 30 kg (66 lb.) bag		.019 m ³ (.68 ft ³)	.018 m ³ (.65 ft ³)

<u>Sack Size</u>	<u>Approximate # of Units Layed</u>	
	<u>20 cm Block</u>	<u>Brick</u>
30 kg	12	40
1200 kg	480	1600

PACKAGING: MORTARTEK® is packaged in 30 kg (66 lb.) triple-lined paper bags. Bulk bag packaging is available upon request.

All Basalite Dry Mix can be custom-packaged to suit specific project requirements.

Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

SAFETY PRECAUTIONS: MORTARTEK® 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.