

**DESCRIPTION:**

MORTAR-TEK™- Type N mortar is a blend of Portland cement, Type S lime and fine masonry sand, packaged in 30 kg and 1200 kg ready to use bags. MORTAR-TEK® Type N is designed to meet CSA A179 for Type N mortar as specified with only the addition of water.

**USES:**

MORTAR-TEK™ is ideal for all high strength cement/lime mortar applications:

- ⇒ concrete block
- ⇒ concrete brick
- ⇒ clay brick
- ⇒ stucco scratch coat
- ⇒ coloured masonry
- ⇒ glass block

**ADVANTAGES:**

MORTAR-TEK™ offers the following advantages:

- ⇒ economical
- ⇒ superior workability
- ⇒ no site pre-blending (water is the only additive)
- ⇒ quality controlled
- ⇒ increased productivity
- ⇒ increased bonding

**PROCEDURES:**

**PREPARATION:** For best results, MORTAR-TEK™ should be mixed with a clean mechanical mortar mixer. Only use clean potable water for mixing.

**MIXING:** Add 3/4<sup>th</sup> of water required into the mixer. Add bags of MORTAR-TEK™ and mix together. Add the remaining water slowly in the mixer to bring the mortar to the desired consistency. Always add the entire content of the bag in the mixer. Mix 3 to 5 minutes. Follow the same mixing procedure to maintain consistency throughout the entire job. Finish the prepared mortar within 2.5 hours after initial mixing. Retemper mortar only when mixing water is lost due to evaporation.

Maximum recommended water per 30kg (66lb.) bag is 5.0 liters.

**CURING:** Apply fog spray as required so that the surface water may not be lost quickly.

**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.

	TEST METHOD	TYPE N
Flow	CSA A3004-C1/ ASTM C1437	110 ± 5%
Board life		1 hour
Air content	CSA A3004-C4/ ASTM C185	12-18 %
Flexural Bond Strength	CSA A179	N/A
Water Retention	CSA A3004-C3	75-90 %
Compressive Strength :		MPa (psi)
7-days	CSA A3004-C2/ ASTM C109	3.0 (500)
28-days		5.0 (750)
Approximate number of units layed		
Sack Size	20cm Std. Block	Std. Brick
30 kg	10 - 12	40

**LIMITATION:**

Do not use more than the maximum recommended amount of water for mixing. Over watering will result in reduced strength and inferior physical properties. Re-tampering coloured MORTAR-TEK™ may affect colour consistency. Follow hot/cold weather procedures at temperatures below 5°C and above 27°C.

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

**PACKAGING:**

MORTAR-TEK™ is packaged in 30kg (66 lbs) triple-lined paper bags. Bulk bag packaging is available upon request. All Basalite Dry Mix can be custom-packaged to suit specific project requirements.

**SAFETY PRECAUTIONS:**

MORTAR-TEK™ 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](http://www.basalite.ca).