

DESCRIPTION: LUMNITE MG is high alumina hydraulic cement designed to take advantage of the special properties which CA cements offer. These properties include resistance to heat, fast strength development and superior chemical resistance.

USES: LUMNITE MG is ideal for concrete, grout and mortar, which require resistance to high temperatures or chemical exposure. LUMNITE MG may be specified for:

- Cold weather work
 - Refractory applications
 - Repair work where high early strength is required
 - Floor slabs subjected to mechanical abrasion
 - Patching jobs where quick set is needed
 - Containment walls, collection gutters and sewers
 - Refractory shotcrete
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ADVANTAGES: LUMNITE MG's advantages include:

- Resistance to high temperatures
 - Develops as much strength in 24 hours as Portland cement concrete will achieve in 28 days
 - Can be used in cold weather
 - Good abrasion resistance
 - Reduced setting times
 - Handles like Portland cement
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MIXING ADVICE: As with Portland cement, atmospheric conditions and temperatures of ingredients will influence the length of time that LUMNITE MG concrete, mortar, or grout will remain plastic and workable. Proper aggregate selection is required for LUMNITE MG concrete, mortar or grout to achieve desired thermal resistance. In order to obtain optimum strength, hold the water/cement ratio to below 0.4. A moist cure is essential to allow the LUMNITE MG concrete, mortar or grout to develop its full strength potential. During the first 24 hours, the concrete must be kept moist. Care should be taken to avoid contamination of LUMNITE MG cement or concrete with Portland cement as any calcium aluminate cement will flash set when exposed to Portland cement. Any mixing, placing, or handling equipment must be clean and free of Portland cement powder or paste.

PACKAGING: LUMNITE MG is packaged in 42.6 kg (94 lb.) triple-lined paper bags. All Basalite Dry mix can be custom-packaged to suit specific project requirements.

SAFETY PRECAUTIONS: LUMNITE MG contains a hydraulic cement. Normal safety wears such as rubber gloves, dust masks and safety glasses, used to handle conventional cement-based products, should be worn. Material Safety Data Sheets are available upon request. LUMNITE MG is not recommended for structural work. Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

