

# 1260 MG-KRETE

## DESCRIPTION

MG-KRETE is an inexpensive, two component, high early strength structural repair material that is very easy to use in the field.

## BASIC USES

MG-KRETE is used for all types of concrete repairs. It is used for patching, from shallow feathering to deep pours. It can be poured into forms, it can be trowelled vertically and overhead or be used as a fast set plug.

## MAJOR ADVANTAGES OF MG-KRETE

- Cures very rapidly in all weather at all temperatures to form a very hard, tenaciously bonded repair.
- Non-flammable and has high heat resistance.
- Cures very rapidly, most applications can be returned to service in 30 minutes.
- Does not shrink on cure.
- Stronger than concrete within 2 hours.
- Self-priming and will bond to virtually any construction material.
- Very easy to use, there are no specific slump requirements, no critical mixing ratios, and no sophisticated and expensive surface preparation.
- Non-toxic, it contains no harmful chemicals, and it cleans-up with water.
- Very cost effective, it has the performance characteristics of the best polymers at a fraction of the cost.
- Totally water-proof, it is resistant to oils, gasoline, salt and UV radiation.
- Approved by Canadian Food Inspection Agency (CFIA) for incidental food contact.

## TECHNICAL & PRODUCT DATA

- Flash Point: none
- Compressive Strength:
  - 1 hour 1917 psi / 13.2 MPa
  - 24 hours 3500 psi / 24 MPa
  - 7 days 6004 psi / 41.4 MPa
  - 28 days 9500 psi / 65.5 MPa
- Set Time:
  - Initial At 20°C (68°F) 15 mins.
- Application temp.: minimum -10°C (14°F) (with Low Temp. Accelerator)  
over 40°C (100°F) (with High Temp. Retarder)
- Primer: No primer required
- Clean-up: Water (before material sets)
- Shelf Life: 12 months, if stored dry and away from direct heat
- No. of Components: Two (Part A and B)
- Available in fine or regular grade
- Packaging:
  - Regular grade 22.7 kg (50lb) Part A with 4L (1gal) Part B
  - Fine grade 20 kg (45lb) Part A with 4L (1gal) Part B
  - Also available in bulk packaging.
- Yield : Regular grade: 1 unit = 0.45 cu.ft. of mixed material  
78 units = 1 cu meter  
Fine grade: 1 unit = 0.4 cu.ft of mixed material  
Both grades can be extended by adding clean dry angular aggregates during mixing

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### APPLICATION INSTRUCTIONS

Surface must be clean, dry and free of loose material. Remove all dirt from area to be covered leaving a rough, clean surface. For applications at ambient temperatures below 50°F (10°C) 1261 Low Temperature Accelerator must be used to ensure a full cure. With temperature above 68°F (20°C) the 1263 High Temperature Retarder can be used to extend the working time. Do not pre-wet surface. Keep an adequate supply of water on hand to keep equipment clean.

### Mixing

Keep all materials dry, **DO NOT ADD WATER TO THE MIX**. Maintaining the mix ratio as supplied, ie. one container of liquid activator to one bag of dry component, will give a trowellable consistency suitable for most floor applications, however the slump may be adjusted to the applicator's preference or to suit the specific job conditions by the addition of either of the two components. **DO NOT ADJUST THE SLUMP BY THE ADDITION OF WATER**. Mix the two components by mechanical means until all the material is wetted, and place quickly. Clean dry aggregate may be added to the mix to increase the yield on deep placements.

### Finishing

MG-KRETE may be finished with screed, trowel or broom. Do not rework material after it has begun to set.

**OVERCOATING** - Allow MG-KRETE at least 24 hours cure before overcoating. The cured surface must be acid washed, sandblasted or mechanically abraded before coating to ensure sound bonding.

### SPECIAL HANDLING

Store materials in a clean dry area away from direct heat. Setting time of the mixed material will be greatly accelerated if the components are stored in a warm or hot environment, conversely, the setting time is extended if the materials are kept cool. Flush all spills with water. Clean all tools with water immediately after each use. Do not attempt to place MG-KRETE in water or where running water will disturb the worksite.

### SAFETY

Please see the Material Safety Data Sheet. Use the same precautions as when working with conventional concrete. Although the materials are non-toxic it is good practice to protect exposed skin areas and to wear a face mask to prevent inhalation of the aggregate particles. A small amount of ammonia gas is released during the cure, venting of indoor areas may be required in some applications, although this will present no problems outdoors. Neither of the components nor the mixed product are flammable.

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### WARRANTY DISCLAIMER:

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. **NOT FOR RESIDENTIAL INDOOR USE**. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.