

TECHNICAL DATA SHEET

MG-KRETE™ FINE

DESCRIPTION

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

BASIC USES

MG-KRETE™ FINE 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, it can fill large cracks or be used as a fast set plug.

MAJOR ADVANTAGES OF MG-KRETE™ FINE

- Cures very rapidly in all-weather at all temperatures to form a very hard, tenaciously bonded repair
- Non-flammable and has high heat resistance.
- The rapid reparation allows for most areas of application to return to service in 30 minutes.
- Does not shrink on cure.
- Stronger than concrete within 45 minutes.
- 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
- Cost effective, it has the performance characteristics of the best polymers at a fraction of the price.
- Totally waterproof, it is resistant to oils, fuels, salt and UV radiation.
- Internationally approved for incidental food contact.

MIXING

It is a crucial aspect of the mixing process with MG- KRETE™ FINE to place the Part B liquid into your mixing vessel prior to adding the cementitious dry powder (Part A)

Keep all materials dry, **DO NOT ADD WATER TO THE MIX**. Maintaining the mix ratio as supplied, i.e. one container of liquid activator to one bag of dry component, will give a trowel-able 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 increasing either of the two components. **DO NOT ADJUST THE SLUMP BY THE ADDITION OF WATER**. Mix the two components, adding dry component to liquid, do so by mechanical means until all the material is saturated, and place quickly. Dry screenings / gravel may be added to the mix to increase the yield on deep placements.

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 10°C, 1261 LOW TEMPERATURE ACCELERATOR must be used to ensure a full cure. With temperatures above 21°C, 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. Thoroughly dry all equipment before using **MG-KRETE™ FINE**.

FINISHING

MG-KRETE™ FINE may be finished with screed, trowel or broom. Do not re-work material after it has begun to set. **OVER COATING** - Allow **MG-KRETE™ FINE** at least 24 hours to cure before over coating. The cured surface must be acid washed, sandblasted or mechanically abraded before coating to ensure sound bonding.

TECHNICAL DATA SHEET

MG-KRETE™ FINE

SPECIAL HANDLING

Store the materials in a clean and 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 use. Do not attempt to place **MG-KRETE™ FINE** in water or where running water will disturb the worksite or is rain is imminent.

SAFETY

Please refer to Safety Data Sheet at www.imcoaust.com.au

Use the same precautions as when working with conventional concrete. Although 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 to some applications, although this will present no problems outdoors. Neither of the components nor the mixed product is flammable.

TECHNICAL AND PRODUCT DATA

FLASHPOINT:	None
COMPRESSIVE STRENGTH:	
45 Minutes	18.0 MPA
24 Hours	35.5 MPA
7 Days	40.1 MPA
28 Days	77.2 MPA
SET TIME:	
Initial at 20°C	15 Minutes
Application Temperature	Minimum: 10°C (with low temp. accelerator) Over 21°C (with High temp. accelerator)
PRIMER:	No primer required
CLEAN-UP	Water (before material sets)
SHELF LIFE:	12 months (when stored away from direct heat)
NO. OF COMPONENTS:	Two (Part A bag and Part B bottle)
PACKAGING:	
REGULAR GRADE	22.7 kg Part A with 3.78L Part B
FINE GRADE	20.0 kg Part A with 3.78L Part B
YIELD:	
REGULAR GRADE	1 unit = 0.013m ³ 78 units = 1m ³
FINE GRADE	1 unit = 0.011m ³

REGULAR GRADES AVAILABLE.

BOTH GRADES CAN BE INCREASED BY ADDING CLEAN, DRY, AGGREGATES DURING MIXING.

DO NOT USE LIMESTONE WITH **MG-KRETE™**.

NOT FOR INDOOR RESIDENTIAL USE (REFER TO MG-KRETE NO ODOUR FOR INDOOR USE).

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. 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

DOR Trading Pty Limited, Trading as IMCO Australasia
ABN 20 631 473 884
P: 1300 038 855

Suite 4, 485 Swift St, Albury NSW 2640
PO Box 112, Albury NSW 2640
W: www.imcoaust.com.au
E: info@imcoaust.com.au

TECHNICAL DATA SHEET

MG-KRETE™ FINE

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.