



انظمة تشطيب  
Finishing Systems

## CRACK REPAIR CR45

### PRODUCT DESCRIPTION

DMC Crack Repair CR45 is a pre-mixed multi purpose crack filler and repair mortar specially formulated for Middle East conditions. It can be used to repair cracks in grey plaster ranging from 0.5 - 5mm and is suitable for interior and exterior use.

### TYPICAL APPLICATIONS

DMC CR45 is primarily used to fill cracks in grey cement based plaster.

### FEATURES & BENEFITS

- Excellent adhesion
- High flexibility
- Resistant to sagging

### APPLICATION PROCEDURE

#### Surface preparation:

All surfaces must be clean, sound and free from all traces of oil, grease, mold release agent and curing compound. Concrete, renders and blockwork should be cured sufficiently that all shrinkage has occurred.

#### Mixing instructions:

Add 25KG of CR45 to 8.2L of cool, clean and salt-free water. Mix to a uniform lump free consistency. If larger quantity is required mix with a mixing machine at slow speed.

#### Application instructions:

Open all small cracks to a minimum of [recommended-minimum-thickness]mm. Remove all dust and loose particles and dampen substrate with clean and salt-free water directly before application. Fill mixed material into cracks with firm pressure. For larger cracks apply material in several steps. Leave surface rough to ensure adhesion of final coat.

#### Curing:

Cure for 2 – 3 days before over coating. During rapid drying conditions such as hot climate, curing with a fine spray of clean water is required.

### APPLICATION TEMPERATURE

Do not use material below 5°C, schedule work for morning hours during extreme heat.

Disclaimer: All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions.

### COMPOSITION

Binder:	Grey cement Hydrated lime
Aggregates:	Graded sand (max. grain size 0.5mm)
Additives:	Organic polymers to improve consistency and workability

### SUBSTRATES

Render

### APPLICATION

Mixing ratio:	8.2L per 25KG
Rec. min. thickness	0.5mm
Max. thickness/layer	3mm

### TYPICAL PROPERTIES

Appearance:	Light grey powder
Bonding strength:	>0.5N/mm <sup>2</sup>
Colour:	Grey
Compressive strength:	>4N/mm <sup>2</sup>
Consumption per m <sup>2</sup> :	1.23kg/mm <sup>2</sup>
Flexural strength:	>1.5N/mm <sup>2</sup>
Mortar class:	CS III
Yield: approx.	800L/Ton

### CONFORMITY

ASTM C144	ASTM C150
ASTM C270	ASTM C270 Type N
EN 998-1	

### FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



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# CRACK REPAIR CR45

## LIMITATIONS OF USAGE

- Avoid applying material in direct sunlight
- Always add material to the water
- Do not re-temper mixed material
- Do not mix with any other material
- Setting time of the product may vary largely depending on climatic conditions, substrates and application thickness of the product

## TECHNICAL INFORMATION

Consult the DMC Technical Services Department for specific recommendations concerning all other applications. Visit the DMC website [www.dmc-mix.com](http://www.dmc-mix.com) for additional information about products, systems and for updated literature.

## SAFETY PRECAUTIONS

As with all building products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eye and skin immediately. If accidentally ingested, seek immediate medical attention. Use in well ventilated areas. Avoid inhalation of dust when using powdery products. Wear suitable protective gloves, safety goggles and respiratory protection mask.

## STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Shelf life is 9 months for all dry mortar products and 3 months for all liquids. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult DMC's Technical Services Department.

## PACKAGING

- 2.5KG box
- 25KG bag

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## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local DMC representative. DMC reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY & CARE

All products originating from DMC Saudi Arabia are manufactured under conformity to the requirements of the quality, environmental and occupational health & safety standards of the above mentioned SASO, ANSI, ASTM, ISO and DIN EN norms.

## DISCLAIMER

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control. All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions. As all DMC technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.



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