



انظمة تشطيب  
Finishing Systems

## RENOVATION MORTAR RM50

### PRODUCT DESCRIPTION

DMC Renovation Mortar RM50 is a multi-purpose mortar for laying blocks and small rendering and repair works. RM50 can be used on all interior and exterior surfaces with minimum preparation of the wall. RM50 is developed for the harsh Middle East climate conditions and optimized for the latest automatic mixing machines. Applied by hand RM50 is perfect for small repair and maintenance work.

### TYPICAL APPLICATIONS

DMC RM50 is used primarily for small rendering works on any brick and blockwork before applying a decorative thin coat render. RM50 can also be used to build masonry walls.

### FEATURES & BENEFITS

- Block laying and rendering with one product
- Additives ensure easy workability & excellent adhesion
- For interior & exterior use

### 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. Fair-faced concrete or other smooth low absorbent substrates should be prepared with DMC Bridge BB60. Larger surface inconsistencies should be filled and leveled out with RM50 in advance.

#### Mixing instructions:

Add 25KG of RM50 to 6.1L of cool, clean and salt-free water. Mix to a uniform lump free consistency ideally with a mixing machine at slow speed. DMC recommends using RM50 with an automatic mixing machine to enhance mixing quality and increase productivity.

#### Application instructions:

Thoroughly dampen substrate with clean and salt-free water directly before application. Apply thick layer of material with trowel to the wall. Don't exceed maximum thickness per layer of 20mm. If required thickness exceeds 20mm apply material in several layers. Distribute and level applied material within maximum 20 minutes after application. Wait until material starts setting properly. Then open surface by scratching with rabbit to enable release of residual moisture. Wait for 30 minutes before finishing the surface with sponge float to create desired design.

## TECHNICAL DATA

### COMPOSITION

Binder:	Grey cement Hydrated lime
Aggregates:	Graded sand (max. grain size 2.4mm)
Additives:	Organic polymers to improve consistency and workability

### SUBSTRATES

AAC, blockwork, red brick

### APPLICATION

Mixing ratio:	6.1L per 25KG
Rec. min. thickness	12mm
Max. thickness/layer	20mm

### TYPICAL PROPERTIES

Appearance:	Light grey powder
Bonding strength:	>0.08N/mm <sup>2</sup>
Colour:	Grey
Compressive strength:	>5N/mm <sup>2</sup>
Consumption per m <sup>2</sup> :	1.47kg/mm
Flexural strength:	1.2N/mm <sup>2</sup>
Mortar class:	CS III, EN 998-2 M5, ASTM C270 Type 0
Yield: approx.	680L/Ton

### CONFORMITY

ASTM C109	ASTM C144
ASTM C150	ASTM C270 Type 0
EN 998-2	

### FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



# RENOVATION MORTAR RM50

## APPLICATION PROCEDURE CONTINUED

### 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.

## LIMITATIONS OF USAGE

- Avoid applying the 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

- 25KG bag



انظمة تشطيب  
Finishing Systems

## 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, 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.



Dry Mortar Company  
P.O. Box 355 798  
Riyadh 11383  
Kingdom of Saudi Arabia

Tel : (011) 210 97 58  
Fax : (011) 275 47 93  
info@dmc-mix.com  
www.dmc-mix.com

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