



انظمة تشطيب
Finishing Systems

MONOCOUCHE MC35

PRODUCT DESCRIPTION

DMC MC35 is a thick-layer render to create a decorative finish in one step. MC35 can be used on all exterior surfaces with minimum preparation of the wall. MC35 combines a fast application with a beautiful structured and crack-free finish. MC35 is developed for the harsh Middle East climate conditions and optimized for the latest automatic conveying, mixing and spraying machines. MC35 gives a beautiful vibrant finish when combined with DMC Natural Paint.

TYPICAL APPLICATIONS

DMC MC35 is used primarily for levelling and finishing in one coat on any interior and exterior wall.

FEATURES & BENEFITS

- One-step spray-application for minimum labor cost
- No dash coat needed due to excellent adhesion
- Durable, structured finish - ready to paint

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 MC35 in advance.

Mixing instructions:

Add 25KG of MC35 to 6.5L of cool, clean and salt-free water. Mix to a uniform lump free consistency ideally with a mixing machine at slow speed. DMC recommends to use MC35 with an automatic mixing- and spraying machine to enhance mixing quality and increase productivity.

Application instructions:

Dampen substrate with clean and salt-free water directly before application. Apply a first layer of material with trowel or spray gun to the wall of 15 to 20mm thickness. Allow for a curing period to the next layer of 24-48 hours. Don't exceed maximum thickness per layer of 20mm. If required thickness exceeds 20mm apply material in several layers. Distribute and level applied material with aluminum profile within maximum 20min after application. Wait for 12 hours, then scratch the surface with appropriate tool by applying sufficient pressure to create desired rough finish.

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

TECHNICAL DATA

COMPOSITION

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

SUBSTRATES

AAC, blockwork, red brick

APPLICATION

Mixing ratio:	6.5L per 25KG
Rec. min. thickness	5mm
Max. thickness/layer	20mm

TYPICAL PROPERTIES

Appearance:	White or coloured powder
Bonding strength:	>0.08N/mm ²
Colour:	Precoloured, White
Compressive strength:	>3N/mm ²
Consumption per m ² :	1.35kg/mm ²
Flexural strength:	>0.8N/mm ²
Mortar class:	SASO EN 998-1 CS II
Yield: approx.	680L/Ton

CONFORMITY

ASTM C109	ASTM C144
ASTM C150	ASTM C231/C-91
EN 1015-2	EN 1015-10
EN 1015-11	EN 1015-12
EN 1015-18	

FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



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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 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
- 1,200KG jumbo bag
- Silo (check availability in your area)



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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.

