



انظمة تشطيب
Finishing Systems

LIME RENDER LR20

PRODUCT DESCRIPTION

DMC Lime Render LR20 is a premixed sprayable white render for indoor walls. LR20 can be used for new buildings and historic structures and combines easy workability with crackfree curing. LR20 is developed for the harsh Middle East climate conditions and optimized for the latest automatic conveying, mixing and spraying machines. LR20 is ideal in combination with DMC Natural Paint to achieve the optimum indoor wall finish that is free from VOC's and harmful toxins. For a pre-coloured version of LR20 please select DMC Traditional Render TR20.

TYPICAL APPLICATIONS

DMC LR20 is used primarily for leveling purposes on any interior brick and blockwork before applying a decorative natural paint finish with DMC Natural Paint.

FEATURES & BENEFITS

- No dash coat needed on any blocks and bricks
- Spray application for maximum m² per day
- Easy workability for fast work progress

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 LR20 in advance.

Mixing instructions:

Add 25KG of LR20 to 7.7L of cool, clean and salt-free water. Mix to a uniform lump free consistency ideally with a mixing machine at slow speed. Do not mix longer than required. Allow to sit for a few minutes and mix again to the correct consistency.

DMC recommends to use LR20 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. Don't exceed maximum thickness per layer of 20 mm. If required thickness exceeds 20 mm apply material in several layers. Allow for 24 to 48 hours of curing time between layers. If thickness exceeds 20mm allow 1day/mm thickness for curing. Before applying the last layer roughen up surface with a rabbit.

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 1.6mm)
Additives:	Organic polymers to improve consistency and workability

SUBSTRATES

AAC (inside only), blockwork, red brick, render

APPLICATION

Mixing ratio:	7.7L per 25KG
Rec. min. thickness	10mm
Max. thickness/layer	20mm

TYPICAL PROPERTIES

Appearance:	Whitish powder
Bonding strength:	>0.10N/mm ²
Colour:	Ivory
Compressive strength:	>1.5N/mm ²
Consumption per m ² :	1.29kg/mm
Flexural strength:	0.6N/mm ²
Mortar class:	SASO EN 998-1 CS II
Water absorption coefficient:	1.77kg/m ²
Water vapour permeability:	5.87 (micro)
Yield: approx.	750L/Ton

CONFORMITY

EN 1015-2	EN 1015-10
EN 1015-11	EN 1015-12
EN 1015-18	EN 1015-19
SASO EN 998-1	

FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



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LIME RENDER LR20

For spray application distribute and level applied material with aluminum profile within maximum 10 minutes after application. Wait until material starts setting properly before finishing the surface with sponge float or other tool to create desired design.

For a high class smooth finish allow first layer(s) to cure and apply a last layer of LR20 to a thickness of 3-5mm and finish to desired standard.

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 and protect surface from excessive drafts.

Advice:

Protect finish from contamination from of all types of materials before painting with DMC Natural Paint.

APPLICATION TEMPERATURE

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

LIMITATIONS OF USAGE

- Avoid applying the material on hot surfaces
- 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

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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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