



mix it / spray it / finish it

# INSULATION RENDER HR50

## PRODUCT DESCRIPTION

**INSULATION RENDER HR50** is a pre-mixed insulating render for rendering all masonry specially formulated for Middle East conditions. It has excellent thermal and acoustic insulating properties..

All DMC products need only to be mixed with water.

## MANUFACTURER

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## USE

**INSULATION RENDER HR50** is used on exterior and interior surfaces where a reduction of heat and/or sound is required. The material is fully permeable and does not require a sealer or undercoat.

## ADVANTAGES

**INSULATION RENDER HR50** is part of an integrated wall system starting with block laying mortars to renders and mineral paints for a complete solution.

**DMC** combines materials and application technology for optimum quality, productivity and efficiency.

**INSULATION RENDER HR50** offers excellent adhesion, workability, durability and resistance to cracking. It is salt free, weather resistant and non-combustible.

As a permeable material it has heat and humidity regulating properties and reduces thermal stress.

## ENVIRONMENT

**DMC** values the environment. All DMC products use the the benefits of natural materials to reduce harmful substances, VOC and CO<sub>2</sub> emissions, wastage and enhance the living environment.

## AVAILABLE SIZES

### BAGS

20 kg bags

### JUMBO BAGS

750 kg bags

### SILOS

ask for availability in your area



## TECHNICAL DATA

<b>COLOUR</b>	White
<b>APPEARANCE</b>	White powder
<b>BINDER</b>	White cement
<b>ADDITIVES</b>	Contains additives to improve consistency & workability
<b>MIXING RATIO</b>	Add 20 kg to 9 lit of water
<b>RECOMMENDED MINIMUM THICKNESS</b>	30 mm
<b>COVERAGE</b>	(kg/m <sup>2</sup> /mm) 2.5
<b>THERMAL CONDUCTIVITY</b>	Approximately 0.2
<b>STORAGE LIFE</b>	12 months from manufacture under dry and sheltered conditions

## APPLICATION

This product has been pre-mixed and needs only the addition of water. It contains special additives to improve workability and consistency.

**MIXING** can be done by hand, drill or by DMC mixing/spray machines. Always add the material to the water.

**PREPARATION** is done in the usual manner by lightly dampening the surface (must be free from dust, dirt and all manner of contamination). For low absorption, old or difficult surfaces apply one coat of **BRIDGE SA 90** by either spraying or using notch-trowel immediately followed by **INSULATION RENDER HR50**.

**APPLICATION** is by hand or DMC mixing/spray machines. Special additives enhance working time and reduce moisture loss to brick/block work and surrounding environment. DMC recommends to apply the material in the shade. Ideal working temperatures are 5° to 35° C .

**FINISHING** can be done in a variety of textures and styles from smooth to highly textured. Optional finishes with **DMC Render MM20**.

**INSULATION RENDER HR50** does not require a sealer either prior or after application.

## SYSTEM

**PAINTING** is recommended to be done with BAUWERK Mineral Paints, visit [www.dmc-mix.com](http://www.dmc-mix.com) for more information.

## DISCLAIMER

All information given on this technical data sheet is for general guidance only. DMC reserves the right to change specifications without prior notice; always refer to latest version at [www.dmc-mix.com](http://www.dmc-mix.com)

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End of Report