MR1
Monocouche Render
One-Coat

MR1 Monocouche Render *One-Coat*

Technical Data

Pack Size
25kg bag

Pallet QTY
40 bags

Finishing Tool
Scrape Float

Substrate Prime
S10 or K11*(Dependant on substrate)*

Suitable Substrate
Concrete, Clay, Light Weight Block, and Brick

ecorend.co.uk/datasheets/MR1

Water Demand
Approx. 4.5 - 5 Ltr per 25kg bag

Pot Life
1 Hr +

Ready to Finish
16 to 3 Hr @ 5 - 25°c

Coverage
Approx - 1.6 kg per mm / per m^2

Application Temperature
5°c - 25°c for a min of 24 hrs

Humidity Requirement
Less than 85% for a min of 24 hrs

Water Repellent | Suitable for Spray Application | High Adhesion | Scrape Float Finish | Highly Polymer Modified | Long Term Protection & Low Maintenance

A high performance one-coat cement based, polymer modified through coloured render. A traditional through coloured render.

CE

La Roc
Dalton Industrial Estate, Dalton,
North Yorkshire Y07 3HE
14

ecorend Monocouche Render One-coat
One coat rendering mortar (OC) for external use

EN 998-1:2010

Reaction to fire	A
Dry bulk density	1650 kg/m^3
Compressive strength	CS IV
Adhesion	≥ 2.0 N/mm^2, (FP) B
Capillary water absorption	W1
Water vapour permeability coefficient	μ ≤ 15
Thermal conductivity	(λ10, dry) 0.82 W/mK (tab. mean value; P = 50%)

PRODUCT INFORMATION
MR1 Monocouche Render One-coat is a high performance polymer modified water repellent through-coloured, scratch finish render. This product has been designed to have excellent workability and finishing time properties and can be applied by hand or spray. The product's through-colour and one-coat characteristics allow fast application with a low maintenance attractive stone looking finish.

PREPARATION
All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

PRIMING
Concrete Block – S10
Clay, lightweight block and brick – K11

MIXING
MR1 Monocouche Render One-coat should be mixed with clean water at a rate of approximately 4.5 to 5.0 litres per 25kg bag using a suitable paddle or pan mixer, mix for 2 minutes, allow standing for 2 minutes then re-mix. This process allows the additives to dissolve and activate.

LaRoc/Wetherby Group
Dalton Industrial Estate, Dalton, North Yorkshire YO7 3HE

T +44 (0)1845 578555 **F** +44 (0)1845 578777 **E** sales@ecorend.co.uk **W** ecorend.co.uk

MR1
Monocouche Render
One-Coat

APPLICATION
To avoid dampness and discoloration rendering should be avoided below DPC or within 150mm of ground level.

MR1 Monocouche Render One-coat should be applied in a one-coat 2 pass operation applied to 17mm and finished to 15mm thick.

The 1st pass should be applied to the primed substrate with a stainless steel trowel or spray pump, and for ease of application a serrated feather edge and finishing spatula will help. Apply the 1st pass to approx 8mm thick with fibre-reinforcing mesh included in the 1st pass ensuring that the mesh is overlapped 100mm at the mesh joints. Additional fibre-reinforcing mesh stress patches of 500 x 500 mm should be added at all openings: i.e., windows and doors, and also window reveals for additional substrate stress protection. The 2nd pass should then be applied to approx 9mm thick wet on wet to the 1st pass and levelled flat. Then leave the render to harden but not fully set for between 3-16 hours dependent on the temperature this will allow the surface to harden ready to finish once you can imprint your nail but not your thumb print, at this point the render is ready to scrape.

Scraping should take place using a scraping float, scrape the surface in a tight circular action. It is essential that this operation is done carefully and evenly, the objective is to only remove 2mm from the complete surface. During the operation of scraping the render, use a straight edge to ensure any high spots are evened out.

Following immediately the scraping process preferably a second man for this process, use a light soft brush to remove all loose material. Carrying out this process may highlight any un-scraped areas. Un-scraped areas must be scraped immediately to avoid colour variation that will occur if scrapped when the product has started to set. Small blemishes or holes can be repaired at this stage by, using material freshly scraped from the wall and pointed in. Once the product is fully scrapped the minimum finish thickness should be 15mm.

Specification Clauses relating to this product can be found in NBS Section M20 Rendering. BS 5262 Code of Practice for External Rendering and BS 8000-10 must be followed.

NOTE
MR1 Monocouche Render One-coat may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

STORAGE
When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

TOOL CLEANING
All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

HEALTH & SAFETY INSTRUCTIONS
For further information, please request the material safety data sheet for this product.

LaRoc/Wetherby Group
Dalton Industrial Estate, Dalton, North Yorkshire YO7 3HE

T +44 (0)1845 578555 **F** +44 (0)1845 578777 **E** sales@ecorend.co.uk **W** ecorend.co.uk

MR1
Monocouche Render
One-Coat

IMPORTANT INFORMATION

The weather conditions for application and drying are critical. Do not apply if any of the following conditions are likely to arise during - or in the first 24 hours following application:

- If frost is forecast, or in wet conditions
- When Relative Humidity is above 85%
- In temperatures below +5ºC or above +25ºC
- If the elevation is in direct sunlight
- If the substrate is hot (at or above 30C) or below +5ºC
- Coverage rates are approx. and do not take into account wastage and uneven substrates

The render must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this. For this particular product, if these parameters are not met, the product is at risk of, efflorescence colour variation, cracking and potential failure. Always ensure that the same batch numbers when possible are used up to natural breaks in the elevation – i.e. down pipes, expansion joints and corners as batch to batch colour variation is possible due the fact natural raw materials are used. It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

To the best of our knowledge and belief, this information is true and accurate. However, as conditions of use of the product and the expertise of any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application if no spec has been provided for the project in hand. No responsibility can be accepted, nor any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

FM 54357

LaRoc/Wetherby Group
Dalton Industrial Estate, Dalton, North Yorkshire YO7 3HE

T +44 (0)1845 578555 **F** +44 (0)1845 578777 **E** sales@ecorend.co.uk **W** ecorend.co.uk