



M20 SPECIFICATION – Plastered/Rendered/Roughcast coatings

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**ecorend LMR1 Lime Monocouche Render applied to mixed masonry porous substrate
(20MM Coastal System) - SCRAPED**

Date: 01.06.2026 Log No. 2026337

Project Address: 85 Green Place, South Shields NE33 2AE

Main Contractor: DR Plastering and Rendering Contact: [REDACTED] Tel: [REDACTED]

Applicator: DR Plastering and Rendering Contact: [REDACTED] Tel: [REDACTED]

Architect: Not applicable Contact: Tel:

Distributor: Galaxy Newcastle Contact: Tel:

ASM: [REDACTED] email: [REDACTED] Tel: [REDACTED]

SPECIFICATION CLAUSE: M20 - PLASTERED / RENDERED / ROUGHCAST COATINGS

The system is suitable for use in exposure zones up to and including 'severe' wind driven rain index category, in accordance with PD 6697:2010.

Substrate: Smooth & Rough brick / New Blockwork / Hacked off render / Lightweight render / Existing render (Pinned) / All stone types mixture

Manufacturer and Reference: (ecorend) by Wetherby Group / La Roc Building Solutions Ltd.
Dalton, Industrial Estate, Thirsk, North Yorkshire, YO7 3HE – Tel: 01845 578555

SYSTEM COMPONENTS

- ecorend XR1 Fungicidal Wash (if required)
- ecorend S10 Primer
- ecorend BA3 Fast Set Bead Adhesive
- ecorend LK11 Lime Key Coat Base
- ecorend Fibre Reinforcing Mesh
- ecorend LMR1 Lime Monocouche Render
- ecorend TRX Nano Coat (If required)
- BC20 – 20mm Bell cast bead
- RS20 – 20mm Render stop bead
- CB20 – 20mm Corner/Head bead
- MJ20 – 20mm Movement joint bead

APPLICATION METHOD

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. Holes, undulations or insufficiently filled joints to be repaired using suitable mortar. Loose and spalling render or projecting mortar joints should be removed, and uneven surfaces levelled using ecorend base coat to minimise variations in the thickness of the ecorend system. 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.
Fixing and Levelling of Base and Corner Beads	Supply and securely fix base & corner profile beads using Dabs of Ecorend BA3 Fast Set bead adhesive, these should be placed at a minimum of 300mm centres, approximately 50mm in width by 100mm long and a minimum thickness of 15mm. For dubbing purposes, additional dabs can be overlayed to correct alignment within the substrate. Additional support may be required for the render profile bead until full curing of the Ecorend BA3 Fast Set Bead Adhesive has occurred (allowing additional time for curing is advised where dubbing out has been completed). Key the product between dubbing coats where necessary. Setting the render profile bead immediately by pressing the bead firmly, trowelling out the remainder of the Ecorend BA3 Fast Set Bead Adhesive, encompassing the wing of the bead. Line and level should be checked immediately. Excess material on the visible nosing of the bead should be cleaned from the bead with clean water immediately. Minimum thickness of 2mm required for Ecorend BA3 Fast Set Bead Adhesive. Note: Care should be taken to allow for the final depth of the render system. Minimum thickness should be 10/12mm over the render profile bead and adhesive for through coloured render.
Primer:	Apply one light coat of ecorend S10 Primer to control suction if required.
Base Coat:	Apply a 1st coat ecorend LK11 Lime Key Coat Base then trowel down with 6mm notch trowel to get 3mm thickness. Lightly embed mesh corner and head beads. Lightly embed fibre-reinforcing mesh vertically-top to bottom into the 1st pass ensuring that the mesh is overlapped minimum 100mm at the mesh joints then add 500 x 500 mm additional fibre mesh reinforcing patches at stress points around windows and door openings etc. Apply a 2nd coat of ecorend LK11 Lime Key Coat Base at 2mm, level and lightly key in preparation to receive finish coat. Ecorend LMR1 Lime Monocouche Render should be applied whilst ecorend LK11 Lime Key Coat Base is green. Minimum thickness- 5mm.
Finish:	Scraped/Textured
Finish:	Ecorend LMR1 Lime Monocouche Render should be applied at minimum 15mm thick and levelled flat using a serrated straight edge and/or spatula. Then leave the render to harden but not fully set for between 3-16 hours dependent on weather and local site conditions. 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 1-2mm from the complete surface. During the operation of scraping the render, use a straight edge to ensure any high spots are evened out. An I Bar rule can also be used if preferred for the scraping and levelling process. Immediately following the scraping process (preferably use 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 scraped 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. The minimum total thickness should be 20mm and finished to match approved on-site sample. Always use clean, rust-free tools, mixing and spray equipment to prevent possible contamination.

Nano coat: Once dry apply one coat of Ecorend TRX Nano coat to provide additional protection against dirt pick up and long-term staining.

Note – A small test area should be completed when overcoating Nano coat with decorative paints for compatibility. Ecorend Technical services can be contacted for assistance

Minimum Thickness: 20mm

Note: All of the above is in accordance with the manufacture's current detailed application instructions and technical data sheets, and the application contractor must have the experience in modern renders.
Ecorend LMR1 Lime Monocouche Render may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.
To avoid dampness and discolouration rendering should be avoided below DPC or within 150mm of ground level.

EXPANSION JOINTS

Movement joints should be carried through from the joints in the substrate to ensure that the render can move with the substrate, use a movement PVC bead at the same depth as the render system bedding into the base render level over the joint.

COPINGS AND CAPPING

Render should be protected from damage by copings, capping's or sills made of material with low permeability by using suitably detailed DPC's. A minimum of 60mm projection with the throating drip detail should be provided to all copings, capping's and sills.

NOTE: Extending copings, capping's or sills will project water from the face of the render and ensure that staining is prevented.

ACCOMMODATING FOR MOVEMENT

The construction should include appropriate measures to reduce the risk of damage to the render caused by movement in the background, such as shrinkage, thermal or differential movement. The designer should follow the NHBC R5 structural design requirement, and guidance for movement in NHBC render standard 6.11.5 and in line with background manufacturers recommendations.

Where movement joints are provided, they should:

- Continue through the background and render (including horizontal beads)
- Be made weather tight with an appropriate sealant
- Not align with openings such as windows, doors or meter boxes
- Movement joints solely within the render will not prevent cracking

GOOD PRACTICE FOR POSITION OF BACKGROUND MASONRY MOVEMENT JOINTS

Buildings constantly move due to seasonal and daily weather conditions. Please note that cracking of the substrate will occur, generally at the weak points in the building, such as openings or near corners if poor construction techniques have been used or insufficient movement/restraint has not been allowed for in the designs. The render will not be at fault in these cases.

SEALANTS

On completion of the Ecorend render system apply a 5mm bead of sealant to all junctions of the render system and other buildings materials such as window and door frames, eaves and wall vents to seal the system.

FINAL CLEANING

Remove masking tape and polythene sheeting, clean off all marks, blemishes and splashes and all traces of render and mastic from windows, door frames, sills and other affected surfaces and leave the works complete and to the satisfaction of the Architect. Wipe clean at each work stage all exposed nosing, movement joints, sills etc.

Important Information

The weather conditions for application and drying are critical. Monocouche Renders require water to allow the binder to hydrate efficiently in addition to +5 degree temperatures and below 85% relative humidity. During the winter months, water in the render is lost to evaporation at a much slower rate in addition to a slower absorption process into the substrate. Always take into account that setting/curing times in adverse weather will be extended; in particular when executing Render Only works where the carrying substrate is likely to have been exposed to the elements for prolonged periods of time. Elevation orientation must also be considered with northerly facing elevations often being exposed to high levels of moisture for weeks or even months at a time with little or no exposure to sunlight.

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 +5°C or above +25°C
- If the elevation is in direct sunlight
- If the substrate is hot (at or above 30°C) or below +5°C

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 to 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 themselves by prior testing that the product is suitable for their 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 they have consulted our latest literature.