

MONOREX GM

STANDARD FINISH ONE-COAT THROUGH COLOURED WEATHER RESISTANT DECORATIVE RENDER – 48 STANDARD COLOURS - SPECIAL COLOURS TO ORDER

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FINISHES

MEDIUM SCRAPED
SPRAY TEXTURED
SMOOTH SPRAY TEXTURED



DESCRIPTION

A through coloured, one coat, semi-lightweight, weather resistant and breathable decorating render for vertical masonry and concrete walls. 48 Standard colours available. Non standard colours are available subject to colour approval and minimum quantity.

SUBSTRATES

SUITABLE FOR

Masonry and walls conforming to BS 5628-3 and constructed from the following:

- Ultra-lightweight, lightweight & dense aggregate concrete blocks⁽¹⁾.
- Bricks.
- Clay blocks e.g. Porotherm⁽¹⁾
- Standard low and normal density lightweight aircrete blocks.
- Breeze blocks (clinker)⁽¹⁾.
- Stone/rubble stone.
- Shuttered concrete⁽¹⁾.
- Expanded clay insulation blocks⁽¹⁾.
- Clean, sound, well adhered existing render.
- Base coats conforming to BS EN 13914-1
- PAREX grey weather resistant base coats, e.g. MONOGRIS E, PARMUREX or TRADIREX.
- Dry-stacked inter-locking modular wall units e.g. Durisol recycled timber blocks Durisol with MONOREX GM is NHBC approved for single skin external wall construction.
- For below dpc applications and old substrates in accordance with BS8000 - 4 Code of Practice for Waterproofing, consult Parex.

⁽¹⁾ These substrates will require a suction control coat of MICRO GOBETIS 3000.



Ref: No 06/4400
No 10/4784



Ref: No 06/0219

UNSUITABLE FOR

- Weak mortar or plaster (Gypsum) coated constructions.
- Exposed vertical substrates with a backward incline above 10° - a backward incline may affect water run off and may have a tendency to hold moisture.
- Painted substrates - Unless treated with PARINTER. Contact Parex.

FINISHES

- Medium Scraped
 - Spray Textured - from tyrolean style to heavy roughcast effect.
 - Smoothed Spray Textured
- For additional information refer to the data sheet on Textured Mineral Finishes.

TECHNICAL CHARACTERISTICS

COMPOSITION

Hydraulic mortar containing:

- Cement, lime, siliceous and calcareous sands, mineral pigments and specific admixtures.

Granulometry: 0 - 2.5mm

PERFORMANCES

- **Type:** OC1
- **Compressive Resistance:** CS II
- **Capillary absorption:** W2
- **Reaction to fire:** A1
- **Vapour permeability:** $\mu \leq 20^*$
- **Vapour resistance:** $Sd \leq 0,20$ m (for a 10mm thickness)

* Coefficient of resistance to water vapour diffusion of the coating

SUPPORTING PRODUCTS

- AXEL 3000 - Accelerator
- TARDEX - Retarder
- MICRO GOBETIS 3000 or FIXOPIERRE - Primer/suction control/sealer/bonding coat
- MONOGRIS E - Key coat render
- PARAGUARD - Lotus effect water/stain repellent
- 751 LANKOLATEX - Primer/suction control/sealer/bonding coat
- TV10 MESH - Reinforcing mesh

INSTRUCTIONS

SUBSTRATE PREPARATION

- Substrates must be clean, sound, dust-free and free of any material which may prevent adhesion.
- Remove all traces of plaster, paint, etc.
- Construction of the masonry must comply with BS 8000-3.
- On low suction substrates e.g. shuttered concrete or high suction substrates e.g. lightweight aircrete or clay blockwork, first apply a coat of ready-to use MICRO GOBETIS 3000 or a MONOREX GM key-coat made up by adding 0.5 litres of 751 LANKOLATEX to the mixing water volume for a 30kg bag of MONOREX GM.
- On wet or wet patchy substrates or where different materials have been used it is advisable to apply a key coat made up by exchanging 0.5 litres of water for 0.5L of 751 LANKOLATEX or FIXOPIERRE for the mixing volume for a 30kg bag of MONOREX GM. Allow the key coat to fully dry a minimum of 48 hours before the application of the next coat. This suggestion will assist against the effect of 'block ghosting' and shade variation.
- TV10 MESH may also be required, dependent upon substrate condition and project specification.

Advisory note

- Due to shrinkage differentials, avoid applying a thin base coat and a thicker top coat application as the shrinkage values of a thicker top coat could cause the render to delaminate from the base coat. The same effect is also caused by applying a very hard render over a softer base coat.
- Always refer to the Parex mesh application details.
- To avoid shade variations always apply and finish the render application to whole elevations at the same time.

The information provided in this document results from our knowledge of the products and our experience. On-site results may vary, in particular according to the product application methods adopted. Where application methods not covered by this document are used, customers must request specific additional information and/or carry out a representative test before using the products. The above-mentioned information in no way constitutes a warranty relative to the use of the products. Our general terms and conditions of sale shall prevail, in any event, on the information provided in this document. Prior to application, customers and users are requested to check that they have the latest version of this document.

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- Excellent finishing
- Suitable for diesel and electric spray machines

A full range of project specifications for different substrates and systems using Parex products are available through the NBS Scheme or directly from Parex Ltd. Visit the Parex website for regular updates, a Pre-Render Inspection form or refer to the PAREX TECHNICAL INFORMATION SHEETS for additional guidance.

EQUIPMENT REQUIRED

| Application by machine | SPRAY RENDER MACHINE | CONSTANT MIX & PUMP MACHINE |
|---------------------------|-----------------------|------------------------------------|
| ■ Pump pressure | 10 – 12 bar (water) | 15 - 16 bar / 360 Water flow L/hr* |
| ■ Pumping distance/height | Up to 120m/60m approx | Up to 50m/30m approx |
| ■ Power source | Diesel | Electric |

* Based upon a PFT G4/G5. Other machine settings may differ

PRODUCT PREPARATION

| | | |
|---|-----------|----------------|
| ■ Water ratio: 6.5 - 7.5 litres per 30 kg bag | | |
| ■ Machine mixing time | 5 minutes | Continuous mix |
| ■ Cement mixer mixing time | 5 minutes | |

APPLICATION

- Refer to and comply with the Substrate Preparation first.
- For very severe wind driven rain index locations, high exposure or coastal zones please contact Parex for additional guidance as the render thickness may need to be increased and additional surface treatment may be recommended.

SUITABLE FOR

- Machine or manual applications.
- Ensure the product is mixed correctly with the correct water content and do not allow the render to cure too quickly as surface holes in the render could occur.

FOR WEATHERPROOFING APPLICATIONS TO CONCRETE BLOCKS, CLAY BLOCKS, LIGHTWEIGHT AIRCRETE BLOCKS, BRICKS, ETC.

SPRAY TEXTURED & SMOOTH SPRAY TEXTURED

- Apply a level, compact minimum 13 - 15mm thick 1st coat. Allow to dry and then spray the Textured finish. The Smooth Textured appearance is obtained by pressing a plastic or stainless-steel float over the stiffened but not dry Textured finish.

SCRAPED FINISH

- Apply a level, ruled compact 18 mm thick coat, level the surface with a straight edge, spatula or trowel flat. Allow to dry (3-16 hours) and depending on the substrate and drying conditions, scrape the surface in small circular motions using a scraping tool, removing no more than 3 mm from the surface. This scraping process must remove any slight imperfections and bring the application to the specified finished thickness. Each elevation must be scraped at the same stage, as early scraping will result in a slightly darker shade and later scraping in a lighter shade. The minimum finished thickness after scraping is 15 mm. After scraping, any dust on the surface should be removed by brushing with a clean soft bristle brush. Always stand back and examine the whole surface for blemishes and unevenness. Errors must be corrected at this stage as rectification later is not practical.

FOR DECORATING WATERPROOF CONCRETE AND MASONRY SUBSTRATES I.E. COVERED WITH AN EXISTING SOUND AND WEATHERPROOF RENDER.

SPRAY TEXTURED & SMOOTH SPRAY TEXTURED

- Apply a level, ruled, lined, compact minimum 5 mm-thick 1st coat. Allow to dry and then spray the Textured coat. The Smooth Textured appearance is obtained by pressing a plastic or stainless-steel float over the stiffened but not dry Textured coat.

SCRAPED FINISH

- Apply a level, ruled compact 13 mm thick coat, level the surface with a straight edge, spatula or trowel flat. Allow to dry (3-16 hours) and depending on the substrate and drying conditions, scrape the surface in small circular motions using a scraping tool, removing no more than 3 mm from the surface. Then follow the procedures detailed opposite.

COVERAGE

Coverage is provided as guidance only, excludes wastage and will vary subject to substrate conditions and thickness applied.

| USES | WEATHERPROOFING COAT | DECORATION |
|----------------|---|---|
| Substrate | Concrete blocks, bricks, etc | Concrete, base coat renders, etc |
| Scraped | 1.2 - 1.3m ² @ 15mm/30kg bag | 1.6 - 1.8m ² @ 10mm/30kg bag |
| Spray textured | 1.5 - 1.6m ² @ 15mm/30kg bag | 1.9 - 2.0m ² @ 10mm/30kg bag |

PRECAUTIONS

- Product intended for professional use. It is advisable when completing the different finishes, to take into account the hardening time, which will vary according to climatic conditions.
- Avoid applications on substrates exposed to direct sun or in hot drying winds.
- Do not apply on over heated substrates. In hot condition dampen the substrate prior to application. Dampen the render after application.
- Do not apply to a frozen substrate or on thawing substrates. Do not use in freezing conditions. Take precautions during damp climatic conditions. Discolouration could occur.
- Do not apply on very wet substrates or where there are wet patches. (Discolouration could occur).
- Minimum application temperatures: +5°C for light colours, +8°C for dark colours.
- Over 30°C, special precautions must be taken.
- In order to reduce the risk of colour differences after drying, always use the same batch number for the same façade.

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PACKAGING

30 kg bag - 40 bags per pallet.
2-ply paper and 1-ply polyethylene.
Re-useable wrapped pallet of 1200 kg.

STORAGE

1 year from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

WARRANTY

Manufacturer's 10 year product indemnity including design when a Parex specification is issued and subject to conditions.

REFERENCE DOCUMENTS

- BS 5628-3 Code of Practice for the use of masonry.
- BS EN 13914-1 Code of Practice for external rendering.
- BS 8000 Workmanship on building sites.

CERTIFICATIONS

- BBA certificate 06/4400, 10/4784
- IAB certificate 06/0219

Additional certifications:

- LABC and LABSS registered details.
- Premier Guarantee Warranty product approval.

* Conforms with the requirements of NHBC Render Chapter 6.11.

HEALTH AND SAFETY

Wear suitable protective clothing, gloves and eye / face protection. This product contains materials which may cause an allergic reaction, is irritating to eyes and harmful if swallowed. In case of contact, seek medical advice. Keep out of the reach of children.

Read and follow the guidelines in the Health and Safety data sheet for this product.

TECHNICAL ASSISTANCE

PAREX will, on request, provide information and assistance to companies in relation to the use of a specific product.

Such assistance shall not be associated with structural and design conception, nor assume or accept liability for compliance of substrates, nor compliance to instructions provided.

Technical Information

01827 711755

Download the technical datasheet and consult the health and safety document on: www.parex.co.uk