

MONOGRIS E

A GREY BASE COAT / FINISHING COAT AND PREPARATORY KEY COAT RENDER FOR VARIABLE AND / OR HIGH OR LOW SUCTION SUBSTRATES

PAREX
Building expertise, together



FINISHES

SPRAY TEXTURED
SMOOTH SPRAY TEXTURED
SPONGE AND FLOAT SMOOTHED*
TROWEL SMOOTHED*



DESCRIPTION

A high performance polymer modified, weather resistant, grey base coat and finishing render for vertical external and internal walls. Suitable for equalising suction on mixed substrates and as a bonding base coat on to high or low suction substrates.

SUBSTRATES

SUITABLE FOR

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

- Concrete blocks.
- Bricks.
- Clay blocks e.g. Porotherm*
- Lightweight aircrete concrete blockwork.
- Breeze blocks (clinker).
- Stone/rubble stone.
- Shuttered concrete.
- Expanded clay insulation blocks.
- 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*

*Consult masonry manufacturer's datasheets.



- Below dpc applications and old substrates in accordance with BS8000 - 4 Code of Practice for Waterproofing - consult Parex for guidance.

EQUIPMENT REQUIRED

Application by machine	SPRAY RENDER MACHINE	CONSTANT MIX & PUMP MACHINE
■ Pump pressure	10 – 12 bar (water)	2.5 – 6 bar (water)
■ Pumping distance/height	Up to 120m/60m approx	Up to 50m/30m approx
■ Power source	Diesel	Electric

PRODUCT PREPARATION

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

UNSUITABLE FOR

- Weak mortar or plaster (Gypsum) coated constructions.
- Exposed vertical substrates with a backward incline more than 10° from the vertical – A backward incline may affect water runoff and may have a tendency to hold moisture.
- Painted substrates – Use PARINTER first.

TECHNICAL CHARACTERISTICS

COMPOSITION

Hydraulic mortar containing:

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

Granulometry: 0 - 1.6mm

PERFORMANCES

- **Type:** OC1
- **Compressive Resistance:** CS II
- **Capillary absorption:** W2
- **Reaction to fire:** A1
- **Vapour permeability:** $\mu \leq 20^*$
- **Vapour resistance:** $S_d \leq 0,20$ 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
- PARAGUARD - Lotus effect water/stain repellent
- 751 LANKOLATEX - Primer/suction control/sealer/bonding coat
- TV10 - 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 e.g. concrete or high suction e.g. Lightweight aircrete or terracotta blockwork, first apply a coat of ready-to use MICRO GOBETIS 3000 or a layer of MONOGRIS E enhanced with 0.5 litres of 751 LANKOLATEX to the mixing water volume for 30kg bag of MONOGRIS E.
- 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 30kg bag of MONOGRIS E. 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 reinforcement mesh may also be required, dependent upon substrate condition and project specification.

*The float/sponge/trowel smoothed finishes may vary in appearance, particularly due to different factors such as the line and level and condition of the substrate or the appearance of a slurry finish caused by over floating the surface. The latter may produce some micro cracking effect on the render surface which may affect the aesthetical appearance but does not affect its durability.

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.

- Suitable for diesel and electric spray machines
- Excellent adhesion properties
- Lightweight render suitable for multiple substrates

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.

APPLICATION

- Refer to Substrate Preparation first

SUITABLE FOR

- Machine or manual applications.

KEY COAT APPLICATION

- Spray apply a stippled 2-3mm layer leaving a well textured stippled surface.
- Hand apply a 2-3mm thick layer to the substrate and using a toothed trowel or a heavy duty and well laid roller, texture the surface to leave a combed effect or stippled finish respectively.

Avoid applying large areas of the key coat before creating the stippled or toothed trowel finish when applying by hand.

TO RECEIVE A ONE-COAT FINISHING COAT E.G. MONOREX, MONOBLANCO, ETC

- Spray or hand apply, leaving a ruled, level toothed trowel finished minimum thickness of 6 - 8mm.

TO RECEIVE A PAINT COATING E.G. DPR 311 COATING OR DPR/REVLANE COATINGS:

- Spray or hand apply a ruled and level 7 - 8mm base coat and leave with a toothed trowel finish. When the base coat has dried, apply a second layer of 7 - 8mm thickness and trowel and level smooth.
- The covering thickness must be a minimum of 15mm at all points.

MONOGRIS E can be left as a finished coat though evenness of colour is not guaranteed.

COVERAGE

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

- Approx 1.5 - 1.6m² @ 15mm/30kg bag
- Approx 8.0m² @ 2 - 3mm/30kg bag

MAXIMUM THICKNESSES OF MONOGRIS E (including layer of finishing coating)

CONCRETE AND TERRACOTTA BLOCKS, BRICKS ETC	LIGHTWEIGHT AIRCRETE CONCRETE BLOCKS	SHUTTERED CONCRETE
25mm	20mm	15mm
ASSOCIATED DECORATIVE COVERINGS	SURFACE CONDITION OF MONOGRIS E	CURING TIME BEFORE COVERING
<ul style="list-style-type: none"> ■ Semi-light PAREX coatings e.g. MONOREX GM, MONOREX GF ■ MONOBLANCO ■ PARLUMIERE FIN, PARLUMIERE MOYEN ■ PAREXAL ■ CALCIFIN ■ Other Parex coatings may be suitable but check with Parex first. 	<p>STIPPLED COAT</p> <p>OR</p> <p>NOTCHED TROWEL</p>	<p>A top coat finish can be applied as soon as the base coat has initially cured.</p> <p>When the base coat has been left to cure in excess of 3 days, dampen the surface prior to applying the top coat.</p> <p>If the base coat has been left to dry for some time it is recommended a preparation coat of MICRO GOBETIS 3000 is used.</p>
<ul style="list-style-type: none"> ■ DPR COATING, DPR and REVLANE finishes ■ Paints ■ Thick synthetic coatings ■ Whitewashes, lime paints 	FLOAT FINISH**	Minimum 3 weeks

** excluding aircrete concrete blocks

PRECAUTIONS

- For professional use only.
- In hot conditions dampen the substrate prior to application. Dampen the render after application.
- Do not apply to a frozen substrate. Do not use in freezing conditions. Take precautions during damp climatic conditions. (Shade variation could occur in the finishing coat).
- Do not apply directly on very wet substrates or where there are wet patches. Follow the substrate preparation section.
- Minimum application temperatures: +5°C.
- Over 30°C, special precautions must be taken.



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.
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.

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