BUILDING TRUST

PRODUCT DATA SHEET

Parex® MONOGRIS E

One Coat Grey Base Coat Render

DESCRIPTION

A grey base coat/finishing coat and preparatory key coat render for variable and / or high or low suction substrates.

USES

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.
Suitable as a grey coat finishing render or as a base coat for receiving a Parex decorative finish. e.g. MONOREX GM & GF, MONOBLANCO, REVLANE, CRYLANE.

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Composition	Hydraulic mortar containing: Cement, lime, siliceous and calcareous sands, mineral pigments and specific admixtures.
Packaging	25 kg bags
Shelf life	12 Months from date of manufacture
Storage conditions	Dry frost free conditions
Grain size distribution	Granulometry: 0 - 1.6 mm

TECHNICAL INFORMATION

Compressive strength	CS II
Capillary absorption	W2
Reaction to fire	A1

APPLICATION INFORMATION

Mixing ratio	5.4-6.3 L per 25 kg bag

Consumption	COVERAGE Coverage is provided as guidance only, excludes wastage and will vary subject to substrate conditions and thickness applied. Approx 1.25 - 1.3 m² @ 15 mm/25 kg bag Approx 6.7 m² @ 2 - 3 mm/25kg bag

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- 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.

ECOLOGY, 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.

APPLICATION INSTRUCTIONS

EQUIPMENT

EQUIPMENT REQUIRED

Application by machine	Spray Render Machine	Constant Mix and Pump Machine
Pump Pressure	10-12 bar (water)	2.5-6 bar/360 water flow L/hr
Pumping distance/height	Up to 120 m/60 m approx	Up to 50 m/30 m approx
Power Source	Diesel	Electric

SUBSTRATE QUALITY / PRE-TREATMENT

SUITABLE SUBSTRATES
Masonry and walls constructed from the following:

- Ultra-lightweight, lightweight & denseaggregate concrete blocks.
- Bricks.
- Clay blocks e.g. Porotherm.
- Standard low and normal density lightweight aircrete blocks.
- 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
- Dry-stacked inter-locking modular wall units e.g. Durisol recycled timber blocks
- Below dpc applications and old substrates in accordance with BS8000 - 4 Code of Practice for Waterproofing - consult PAREX® for guidance.

UNSUITABLE FOR

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

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 suctione.g. Lightweight aircrete or clay blocks, application may also be assisted with a coat of ready-to use MICRO GOBETIS 3000 or enhance the MONOGRIS E with 0.5 L of 751 LANKOLATEX to the mixing water volume for a 25 kg bag of MONOGRIS E.
- On wet or wet patchy substrates or where different materials have been used it isadvisable to apply a key coat made up by exchanging 0.5 L of water for 0.5 L of 751 LANKOLATEX for the mixing volume for a 25 kg 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 MESH 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.
- To avoid shade variations always apply and finish the render application to whole elevations at the same time.

APPLICATION

- Refer to Substrate Preparation first

SUITABLE FOR

- Machine or manual applications

KEY COAT APPLICATION

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

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

- Spray or hand apply a ruled and level 7 - 8 mm base coat and leave with a toothed trowel finish.
  When the base coat has dried, apply a second layer of 7 - 8 mm 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.

ASSOCIATED DECORATIVE COVERINGS	SURFACE CONDITION OF MONOGRIS E	CURING TIME BEFORE COVERING
MONOREX GM, MONOREX GF MONOBLANCO PARLUMIERE FIN/MOYEN PAREXAL Other Parex coatings may be suitable.	STIPPLED COAT OR NOTCHED TROWEL	A top coat finish can be applied as soon as the base coat has initially cured. When the base coat has been left to cure in excess of 3 days, dampen the surface prior to applying the top coat. If the base coat has been left to dry for some time it is recommended a preparation coat of MICRO GOBETIS 3000 is used
REVLANE finishes Paints Thick synthetic coatings Whitewashes, lime paints	FLOAT FINISH**	Minimum 3 weeks.

** Ensure aircrete blocks are fully dry before applying MONOGRIS E as block shrinkage could occur and this may crack the render if applied on a wet substrate.

MAXIMUM THICKNESS OF MONOGRIS E

ULTRA-LIGHTWEIGHT, LIGHTWEIGHT & DENSE AGGREGATE CONCRETE BLOCKS, CLAY BLOCKS, BRICKS	STANDARD LOW AND NORMAL DENSITY LIGHTWEIGHT AIRCRETE BLOCKS	SHUTTERED CONCRETE
25 mm	20 mm	15 mm

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no war-

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