

EHI AND EHI GF

HYDRAULIC MINERAL RENDER FOR USE ON PAREX THERM MINERAL RENDER SYSTEMS
48 STANDARD COLOURS - SPECIAL COLOURS TO ORDER



FINISHES

FINE SCRAPED / MEDIUM SCRAPED
SPRAY TEXTURED
SMOOTH SPRAY TEXTURED*
SPONGE AND FLOAT SMOOTH*
TROWEL SMOOTHED*



DESCRIPTION

A coloured mineral based render in powder form ready to mix with water. Available in two grades to create a range of finishes, this product is intended for use with PAREX THERM thermal insulation systems to provide the final decorative and weatherproof finish.
48 Standard colours available

SUBSTRATES

SUITABLE FOR

- Exterior Insulation Façade System (EIFs) - PAREX THERM Mineral render system.
- Can be applied directly to suitable masonry substrates subject to appropriate preparation to match with an insulated facade, - Consult PAREX.

UNSUITABLE FOR

- Exposed façades or parts of façades at an angle of more than 5° from the vertical.

*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 aesthetic appearance but does not affect its durability.

For additional information on the finishes refer to Textured Finishes on page 16.

PAREX

FINISHES

- Medium Scraped (EHI), Fine Scraped (EHI GF)
- Sponge or Float Smoothed (EHI GF)*
- Trowel Smoothed (EHI GF)*
- Spray Textured (EHI, EHI GF)
- Smooth Spray Textured (EHI, EHI GF)
- Ashlar Cuts (EHI, EHI GF) - for full instructions, consult the Construction Details in the PAREX manual - pg 143.

TECHNICAL CHARACTERISTICS

A white powder, based on cement, hydrated lime, micronised vinyl copolymers, calcareous and siliceous sands, mineral pigments and specific admixtures.

- EHI
- MVA: 1.12 ± 0.05 .
- Particle size:
 - Refused passing through sieve at 0.08 mm: 70 to 80%.
 - Refused passing through sieve at 1.25 mm: 10 to 25%.
- pH powder $12.5 \pm 0.5\%$.
- Water retention: $93 \pm 2\%$.

SUPPORTING PRODUCTS

- MAITE MONOCOMPOSANT - insulation adhesive and basecoat - pg 84.
- TV10 reinforcement mesh for EHI - pg 115.
- 355 AVU reinforcement mesh for MAITE - pg 115.
- MICRO GOBETIS 2000 - Primer/sealer coat - pg 132.
- 751 LANKOLATEX - Primer/suction control/sealer/bonding coat - pg 124.

INSTRUCTIONS

Depending on the area of use, the application must conform with the specifications and instructions for the PAREX THERM and PAREX DIRECT render systems and as detailed in the European Technical Approvals, the BBA and IAB certifications.

PRODUCT PREPARATION

- Water dosage: approximately 6.9 litres per bag.
- Machine mixing time: 3 to 5 minutes.
- Mixing time cement mixer: 5 minutes approximately.
- Mix whole bag, length of life of mixture approximately 1 hour depending on prevailing conditions.

If you would like a Pre-Render Inspection form go to our website www.parex.co.uk

EQUIPMENT REQUIRED

- Scraping Trowel.
- Spatula.
- Stainless steel smoothing trowel.
- Notched rule and straight edge.
- Wooden float.
- Sponge.

Clean tools in water after use.

Application by machine	SPRAY RENDER MACHINE	SPRAYING POT
Pump pressure	10 – 12 bars (water)	
Air flow		60 m ³ per hour minimum
Air pressure		4 – 6 bars

APPLICATION

- This must conform with the recommendations and specifications for the PAREX THERM Mineral render systems and/or as directed by Parex.

On insulation systems:

- Spray a 3-5 mm base coat of MAITE MONOCOMPOSANT, embedded with 355 AVU mesh (ensure the mesh is kept near the face of the base coat). Leave the surface ridged or combed for bonding the EHI/EHI GF. Apply the EHI/EHI GF to a regular thickness to the desired finish detailed below.

SPRAY TEXTURED & SMOOTH SPRAY TEXTURED

- Apply a level, compact minimum 10 mm thick 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.

FINE SCRAPED / MEDIUM SCRAPED

- 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.

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.

SPONGE / FLOAT / TROWEL SMOOTHED*

- Apply a level, compact minimum 10mm thick coat. When semi cured, obtain the desired finish with a sponge, sponge float or stainless steel float.

CONSUMPTION

Spray textured and smooth	14 - 16kg/m ² (1.8 - 2.1m ² per 30kg bag)*
Textured finish	
Scraped finish	16 - 18kg/m ² (1.6 - 2.1m ² per 30kg bag)*
Smooth/Sponge/Float	

* These values are given for guidance only. PLEASE NOTE; on uneven substrates the consumption rate may significantly increase to gain a level and lined finish.

PRECAUTIONS

- This product is intended for use by professional applicators.
- Do not apply:
 - On frozen substrates or if there is a risk of frost.
 - During rain.
 - On exposed substrates in a period of high temperatures and strong, hot winds.
- Minimum temperature for application: 5°C for light colours and 8°C for strong colours. Above 30 °C, take special precautions.
- Do not put together coloured coatings whose absorption coefficient difference is above 0.2.

As a general rule, the use and application of EHI/EHI GF must comply with the specifications for the application of single coat weatherproof coatings e.g. Monorex and ETAG technical regulations.



PACKAGING

30 kg bag - 40 bags per pallet.
2-ply paper and 1-ply polyethylene.
Disposable 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 liability.

REFERENCE DOCUMENTS

- European Technical Approval ETA-04/0124 - NEW 2010 Approvals Pending.
- IAB certification 09/0342.

PRECAUTIONS

Read and follow the guidelines in the Health and Safety datasheet 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

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