

PRODUCT DATA SHEET

Parex[®] EHI GF

HYDRAULIC MINERAL RENDER FOR USE ON PAREXTHERM & PAREXDIRECT MINERAL RENDER SYSTEMS

DESCRIPTION

Through coloured mineral-based hydraulic render for use with the PAREXTHERM and PAREXDIRECT render systems. The renders are available in 48 standard colours, can be used in conjunction with the PAREXTHERM and PAREXDIRECT render systems to provide a decorative finish. EHI GF is suitable for manual or spray application and can be finished to a scraped, light tyrolean or heavy roughcast effect. Where a medium grade finish is required please refer to EHI GM.

USES

- PAREXTHERM External Wall Insulation systems (EWI).
- PAREXDIRECT render systems

CHARACTERISTICS / ADVANTAGES

- Fine Grain
- Range of finishing options
- Can be hand or machine applied.

APPROVALS / CERTIFICATES

- ETA-11-0110 - PAREXTHERM EPS
- ETA-04-0014 - PAREXTHERM SW

PRODUCT INFORMATION

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| Composition | A coloured powder mixed with water, based on cement, hydraulic binders and hydrated lime micronized copolymers, fillers, siliceous sands, mineral pigments and specific admixtures. |
| Packaging | 25 kg bags |
| Shelf life | 12 Months from date of manufacture |
| Storage conditions | Dry frost free condition |
| Appearance and colour | <p>COLOURS Range of 48 colours</p> <p>FINISHES</p> <ul style="list-style-type: none"> ▪ Fine Scraped ▪ Spray Textured ▪ Ashlar cuts <p>It is possible to achieve a float/sponge/trowel smoothed finish, however this is only recommended for small areas such as smooth bands surrounding windows, plinths and small panels etc. The float sponge/trowel smoothed finish 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</p> |

may produce some micro cracking effect on the render surface which may affect the aesthetical appearance but does not affect its durability. Dark colours are more likely to be affected.

For additional support refer to the data sheet on Textured Mineral Finishes and request the Parex Construction details specific for your application.

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| Maximum grain size | 2.0 mm |
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TECHNICAL INFORMATION

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| Reaction to fire | A2 when used as part of an Parextherm EWI system, please consult for further details. |
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APPLICATION INFORMATION

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| Mixing ratio | 5-6 L per 25kg bag |
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| Consumption | Coverage Coverage is provided as a guidance only, excludes wastage and will vary subject to substrate conditions and thickness applied. <ul style="list-style-type: none">▪ Scraped @ 10 mm finish, 14 - 16 kg/m² (1.6 - 1.8m² per 25 kg bag)▪ Spray Textured, 12 - 14 kg/m² (1.8 - 2.1m² per 25 kg bag) |
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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

Depending on the area of use, the application must conform with the specifications and instructions for the PAREXTHERM and PAREXDIRECT render systems.

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.

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.
- 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. 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 facade.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

EQUIPMENT REQUIRED

- Scraping trowel / I Bar.
- Stainless steel 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 | Constant Mix and Pump Machine |
|-------------------------------|-----------------------------|--|
| Pump Pressure | 10-12 bar (water) | 12 bar / 400 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 - Based on PFT G4/G5. Other machine settings may differ |

SUBSTRATE QUALITY

MIXING

- Water dosage: approximately 5-6 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.

APPLICATION

- This must conform with the recommendations and specifications for the PAREX THERM & PAREX DIRECT Mineral render systems and/or as directed by Parex
For PAREX THERM systems to suitable insulations & PAREX DIRECT systems to PAREX approved render boards:

- Apply a 3-5 mm base coat of MAITE, embedded with 355 AVU MESH. (Do not fix the mesh to the insulation and render over it). Leave the surface ridged or combed for receiving the EHI GM or EHI GF. Apply the EHI GM/EHI GF to the desired finish and required minimum thickness as detailed below or as per the Parex project specification.

For other applications consult Parex.

SPRAY TEXTURED

- Apply a level, compact minimum 10 mm thick coat. Allow to dry and then spray the Textured finish.

MEDIUM SCRAPED EHI GM

- 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.

RUSTIFICATION/ASHLAR EFFECT

- It is recommended that a minimum depth of render to the back of the rustification/ashlar cut should be no less than 10 mm. To achieve this depth will require the finished thickness of the main render to be increased to approximately 15 - 20 mm.

For ease of application and finish, avoid using AXEL 3000, ALGIREX or 751 LANKOLATEX in the top coat application of the trowel, float or sponge smooth finish.

UNSUITABLE FOR

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.

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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 warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.