BUILDING TRUST

PRODUCT DATA SHEET

Parex® Parinter Renovation

RENOVATION RENDER AND PREPARATORY BONDING COAT FOR RENDERING ONTO EXISTING PAINTED MASONRY OR RENDER

DESCRIPTION

A restoration and bonding mortar for the renovation of old hydraulic cement or lime based renders, whether sound or cracked but not delaminated, including render or masonry that has been painted or has received a thick textured coating system. Only the addition of clean water on site is required.
Designed to create a new base coat render suitable for taking a range of decorative finishes, coatings and suitable top coat renders

USES

- Renovation Render
- Peparatory Bonding Coat

CHARACTERISTICS / ADVANTAGES

PARINTER RENOVATION's composition and adhesion properties make it compatible with
a large number of non-porous or smooth substrates (painted surfaces, hydraulic renders or concrete).
Suitable Parex® finishes that can be applied onto PARINTER RENOVATION:

- Decorative coatings: CALCILANE BADIGEON, SILICANE PEINTURE.
- Decorative finishes: CALCIDECO, CALCILISSE, CALCIFIN, SILICANE TALOCHE range of finishes.
- Decorative renders: MONOREX GM

Unsuitable finishes that MUST NOT be applied onto PARINTER due to their higher mechanical strength (they could delaminate):

- PARMUREX, BLANC DU LITTORAL, if unsure check with the Parex® Technical Department.

PRODUCT INFORMATION

Composition	▪ Hydrated lime, hydraulic additions and specific binders. ▪ specific: (hydrated lime / binder: 50 % by volume). ▪ Siliceous and calcareous sand: 0 - 1.6 mm.
Packaging	25 kg bag.
Shelf life	12 months from date of manufacture, if stored in original unopened packaging, in dry conditions.
Storage conditions	Dry frost free conditions
Mixing ratio	Water dosage: 4.6 to 5.2 L per 25 kg bag.
Consumption	These values are provided as guidance only and may vary subject to substrate conditions and thickness applied. ▪ Smooth substrate: 5 - 8 kg/m² (3.1 - 5.0m² per 25 kg bag) for 3 to 5 mm thickness. ▪ Rough substrate: 8 - 13 kg/m² (1.7 - 3.1m² per 25 kg bag) for 5 to 8 mm thickness.

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 differentfinishes, 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 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

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

The application of PARINTER RENOVATION may require 1 or 2 coats, depending on the condition of the substrate, with or without TV10 MESH embedded in the first coat. The substrate must be sound and not de-bonded.

EQUIPMENT

- Manual application: trowel, notched plastering trowel, concrete mixer or paddle mixer.
- Mechanical application: notched ruler, spray render machine. Pump pressure 8 to 10 bars (water) - nozzle 8 or 10.

SUBSTRATE QUALITY

Existing Substrates	Application Requirements
Surface finish smooth	3 to 5 mm in 1 coat
Roughcast	5 to 8 mm in 2 coats
Some cracks	Embed a minimum of 500 mm wide layer of TV10 MESH over the cracks into the 1st coat of PARINTER, followed by a 2nd coat of PARINTER (1)
Frequent cracks	Apply to the whole façade a layer of TV10 MESH embedded into the 1st coat of PARINTER, followed by a 2nd coat of PARINTER (1)

(1) These measures spread the stress of the fracture, but there is still a risk of cracking if the substrate continues to move.
Where there are different substrates they must be isolated from each other and the joint treated with acrylic mastic, carry out the finish on substrates which have dried for a minimum of 24 hours.

SUMMARY OF PRELIMINARY IDENTIFICATION TESTS FOR PAINTED FACINGS

1. Appearance
The application of PARINTER RENOVATION is only possible if the substrate facing is in good condition, sound, no flaking of the surface coating and is well adhered to the substrate. Check that there are not several layers of paint or thick acrylic coverings or a thick acrylic covering over a painted surface e.g. something that could cause delamination.
2. Responsitivity to water
- Wetting: Pour water on to the façade. The facing should become wet and leave a wet mark. If water runs off with a pearling effect without wetting the substrate, it is likely the surface has been treated with water repellent and is therefore incompatible. Do not proceed with the application of PARINTER RENOVATION.
- Soaking: Place a wet sponge on to the façade for approximately 30 mins and note how the surface finish reacts: there should be no change to the surface and there should be no softening or bubbling of the painted surface.

3. Flexibility (resilience)
It is important that the surface coating is not flexible. If there is any uncertainty, cut out a 50 x 50 mm section of facing and bend it slowly at 20 ºC. If the product remains pliable (bends without breaking), it is incompatible.
4. Surface cohesion when dry and wet
Dry - Fully score the painted surface with criss-cross incisions, both when wet and dry.
Wet - Use the area that was soaked for 30 mins with a sponge detailed in test 2 and fully score the painted surface with criss-cross incisions
Paint: Criss - cross pattern of 2 x 2 mm
Thick acrylic covering: Criss - cross pattern of 5 x 5 mm
A minimum of 2 tests should be completed for both, wet and dry tests. The location of the tests should be spread across the building at both high and low loca-

tions of the facade.
After brushing the test surface and removing loose parts, apply a well adhered strong adhesive tape to the test surface areas and then pull off the tape, observing the degradation. No criss cross squares should come away (see Technical Data Sheets and Identification sheet).
5. Burning
Heat the painted facade with a blowtorch or heat paint stripper.
If the facing softens or burns with a strong smell, it is a painted finish; otherwise it is a mineral finish (whitewash, silicate coating) and is incompatible.
Scrape the heated facing with a paint knife and examine all the layers right down to the substrate to check on the bonding of the paint.

6. Adhesion
If any of the previous tests 1- 5 did not work DO NOT carry out this test as incompatible surfaces can not receive PARINTER RENOVATION without the use of pinning a full layer of TV10 reinforcement mesh and installing mechanical anchors through the mesh across the whole façade to a Parex specification.
If the surface is satisfactory:
On a clean, dry substrate, embed a 1000 x 500 mm piece of 355 AVU reinforcement mesh into a 4 – 5 mm layer of PARINTER RENOVATION leaving 100 mm free at the bottom. Smooth the surface, then clean away surplus material away from the perimeter of the sample.
After leaving to dry for several days, pull on the mesh to exert a pulling force by rolling the free part of the mesh round a broom handle.

- Positive test: The render on top of the mesh breaks off and the mesh is completely clean. The render remaining on the substrate is intact, adhering without any initial cracking.
- Negative test: the render comes off and parts of the substrate detach, caught up in the mesh due to a lack of adherence. The render adhering to the substrate has initial cracking or cracks.

Please note that if all the tests carried out are positive, any suspect areas to the painted surface discovered during high pressure washing (140 bars) must still be fully stripped or local defective areas removed back to the render or masonry substrate.

SUBSTRATE PREPARATION

- Carefully powerwash and brush to remove dirt and grease, algae, dust and any other loose materials that will affect adhesion.
- If required apply a fungicidal wash using Sika Mouldbuster.
- Check soundness of the render and remove all loose material, powdered and hollow-sounding parts.
- Treat and repair damaged areas with MONOGRIS E, PARLUMIERE CLAIR or PARLUMIERE STH depending on the substrate or as guided on the Parex® specification.
- Remove any uneven surfaces or projections that may affect the surface finishes

FINISHES

- FLOAT-SMOOTHED.
- NOTCHED - to create a key coat for a top coat finish.

SURFACE PREPARATION

SURFACE FINISHES OF PARINTER REQUIRED FOR ASSOCIATED DECORATIVE RENDERS, FINISHES OR COATINGS

Surface preparation of PARINTER before application of the top coat finish	Decorative Render, Coating or Finish
Notched/Serrated	Decorative Coating*: MONOREX GM, MONOREX GF, MONOBLANCO, PAREXAL, PARLUMIERE CLAIR, PARLUMIERE MOYEN or PARLUMIERE FIN
Float smoothed or sponge (subject to desired finish)	Decorative Coating*: CALCILANE BADIGEON, SILICANE PEINTURE
Slightly roughened surface	Decorative Finish*: CALCIDECO CALCILISSE CALCIFIN SILICANE range of finishes

Due to the potential of heat absorbtion created with dark colours, the colours of the finish must not exceed solar absorption coefficient over 0.7 (0.5 in mountainous areas).
* Refer to the specific product data sheets

SUBSTRATE QUALITY / PRE-TREATMENT

SUBSTRATES
SUITABLE FOR:

- Sound rendered masonry including thosewith a thin paint coating <300 µ (pliolite, acrylic based coatings) or with a thick acrylic covering which has passed preliminary bonding tests.
- Refer to the Preliminary Identification and Bonding Tests section of this data sheet.
- Sound concrete.
- Brick and block masonry.
- Sound and well bonded Sandstone or Terracotta tiles.
- Always carry out preliminary checks of the substrate and prepare thoroughly in accordance with the technical specification information.

UNSUITABLE FOR:

- External insulation systems.
- Substrates covered with:
  - Thick acrylic coverings that are painted with a water repellent-treatment
  - Several layers of paint or thick acrylic coverings.
  - Un-sound paint or where multiple layers of paint have been applied and are de- bonding.
  - Mineral paint e.g chalk based whitewashes, silicates or silicate-treated thick acrylic coverings.
  - Semi-thick gloss or flexible glycerol paint.
  - Impermeable and/or flexible coatings.
  - Water repellent surfaces or those with anti-graffiti coatings.
- Exposed substrates with a vertical incline above 10 ° - a backward incline may affect water run off and may have a tendency to hold moisture.
- Substrates with rising damp. Or where the walls are continually wet or damp.

MIXING

Mixing Time:
- Machine: 5 mins
- Paddle mixer: 3 mins
- Concrete mixer: 5 to 7 mins

APPLICATION

Refer to the Preliminary Identification and Bonding Tests section of this data sheet.
- With a render that is painted or has a thick acrylic covering, carry out preliminary identification tests to check compatibility with PARINTER RENOVATION.
- If the surface is compatible, wash under high pressure (140 bars) with a rotating nozzle and allow to dry for 48 hours.
- If the facing is incompatible, it MUST be completely removed before application.

Application Requirements
- Thickness of application without TV10 MESH: 3 to 5 mm.
- Thickness of application with TV10 MESH: 5 to 8 mm.
- Time before covering: 24 minimum to 48 hours maximum.
- Thickness of decorative renders: 10 - 13 mm (10 mm after scraping or 8 mm plus decorative textured finish – Tyrolean or or Spray Textured effect).
- Thickness for decorative coating: 5 to 8 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 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.

SIKA LIMITED
Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited