

- ENHANCED FIBRE-ENRICHED FLEXIBLE MORTAR ADHESIVE



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PRODUCT FEATURES

- Suitable for large-size tiles up to 10 000 cm²
- Fibre-enriched: crack-resistant
- Ideal for slim tiles
- Single-component
- Versatile

WATER DOSAGE

- 6 to 6.5 litres

CONSUMPTION

- 1.5 to 8 kg/m² (see consumption table)

REFERENCE DOCUMENTS

- Compliant with Standard EN 12004
- QB certificate

572 PROLIFLEX HP



DESCRIPTION

- Single-component, fibre-enriched mortar adhesive intended for laying and hanging ceramic tiles on façades, terraces, balconies and also heated flooring and above crawl space and unheated premises.
- The excellent bonding and deformability properties of **572 PROLIFLEX HP** make it extremely versatile, suitable for bonding all types and all sizes of tiles (up to 10 000 m²) to new and old substrates.
- Thanks to its permanent flexibility **572 PROLIFLEX HP** is resistant to thermal shocks.
- With its enhanced waterproofing capability **572 PROLIFLEX HP** is also ideal for bonding tiles to submerged walls e.g. in swimming pools, basins, water tanks, water sports centres...

USES

- Interior and exterior walls
- Interior and exterior floors

SUITABLE SUBSTRATES AND COVERING MATERIALS

See table on next page

COMPATIBLE WITH THE FOLLOWING SYSTEMS

- 588 ENDUIT D'ÉTANCHÉITÉ**
- 596 PROLICOAT**

NOT SUITABLE FOR

- Metal-base substrates,
- Film coatings of less than 3 mm thickness

SPECIFICATIONS

- **Appearance:** grey and white powder
- **Apparent powder density:** 1.6 ± 0.1
- **pH:** 12 ± 1
- **Composition:** hydraulic and organic binder, mineral filler and admixtures

PERFORMANCE CHARACTERISTICS (1)

- **Open time:** 30 min approx.
- **Setting-up time:** 20 min approx.
- **Pot life:** 3 hours approx.
- **Return to service:** 24-48 hours approx.
- **Before immersion:** 7 days
- **Initial bond strength at 28 days (MPa):** ≥ 1
- **Bond strength after water action (MPa):** ≥ 1
- **Bond strength after freeze/thaw cycle (MPa):** ≥ 1
- **Bond strength after heating (MPa):** ≥ 1
- **Deformability (mm):** ≥ 2.5
- **Temperature resistance range:** -20°C to +80°C

INSTRUCTIONS

- Please refer to building instructions in force (e.g. CPT and DTU in France) and CSTB renovation

guidelines for details of specific regulations for product application.

SUBSTRATE PREPARATION

- Check flatness, below 2 m ruler
 - 5 mm: $S \leq 3\ 600\ \text{cm}^2$
 - 3 mm: $3\ 600\ \text{cm}^2 < S \leq 10\ 000\ \text{cm}^2$

New

- Substrates must be clean, sound, dust-free and free of all traces of oil, paint, plaster, laitance etc.
- Substrate must not be running with water, nor frozen.
- Dry concrete or mortar must be dampened several hours before laying tiles.

Old

- Carry out a pre-check of the current covering material in order to ensure sound fixation.
- Remove all wax from wood flooring.
- Remove blown tiles and poorly bonded plastic slabs.
- Replace missing elements or rectify flatness defects up to 10 mm with **572 PROLIFLEX HP**.
- Scrape or sand old varnish, chipped paint or glue finishes.
- De-shen silk paint and enamel finishes. Vacuum up the resulting dust.
- Clean thoroughly with high pressure water and leave to dry.
- Remove the glaze left by grease and cleaning products (wax, floor wax etc...) using a sodium-based washing solution.
- Rinse thoroughly and leave to dry.
- Sand and strip old «tomette» and terracotta tiles.
- **Existing earthenware:** de-shen and rake down to old adhesive.

PRODUCT PREPARATION

- Mix one 25 kg bag of **572 PROLIFLEX HP** with 6 to 6.5 litres of clean water (i.e. 20-22% water content) until evenly distributed.
- Use a slow-speed electric mixer.

APPLICATION

- Spread the adhesive mortar with a trowel or float over a surface of between 1 m² and 2 m². Use an adequate notched spreader to level the thickness.
- For dual bonding, follow the above-mentioned instructions, after buttering the underside of the tile.
- Tamp down the tile with a mallet to ensure optimum bonding.
- For large tiles, please refer to specific instructions (e.g. for France, «CPT grands formats».)
- Tile length/width ratio is limited to 3, and to 8 for oblong tiles, the longest side not exceeding 120 cm.

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* Please refer to the product's Technical Data Sheet - ** For further details on tile sizes please refer to the relevant product's Technical Data Sheet. - (1) Average laboratory values at 23°C and 50% relative humidity in compliance with standards in force.

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FOR BEST RESULTS

- Prepare the substrate well: must be clean, sound and dust-free.
- Do not apply in direct sunlight or strong winds.

Suitable substrates and covering materials

| | | MAXIMUM SURFACE IN CM ² | | | | | | | | MAXIMUM WEIGHT |
|------------------------------|---|------------------------------------|-------------|------------------|-----------|---------|-------------|---------------|-------|----------------------|
| | | Glass paste Enamel | Brick slips | Terracotta tiles | Stoneware | | Earthenware | Natural stone | | |
| | | | | | p ≤ 0,5 | p > 0,5 | | p ≤ 2 | p > 2 | |
| SUBSTRATES (b) | | | | | | | | | | |
| INTERIOR WALLS (a) - H < 6 m | <ul style="list-style-type: none"> Concrete Cement-base mortar Cellular concrete Existing tiles (on cement substrate) Sanded paintwork (on cement substrate) | 120 | 230 | 900 | 3 600 | 3 600 | 3 600 | 3 600 | 3 600 | 40 kg/m ² |
| | <ul style="list-style-type: none"> Partition wall with terracotta tiles (cement-base mortar) | 120 | 230 | 900 | 3 600 | 2 200 | 2 200 | 2 200 | 2 200 | |
| | <ul style="list-style-type: none"> Partition wall with terracotta tiles (plaster-base mortar) (c) Plasterboard (waterproofed or not) | 120 | 230 | 900 | 2 200 | 2 200 | 2 200 | 2 200 | 2 200 | |
| INTERIOR WALLS | <ul style="list-style-type: none"> Wood panels (CTB-H/CTB-X/OSB3) Tile backer board Cement or sand-lime board | 120 | 230 | 900 | 1 200 | 1 200 | 1 200 | 1 200 | 1 200 | 40 kg/m ² |
| | <ul style="list-style-type: none"> Concrete H ≤ 6 m Cement-base mortar | 120 | 230 | 900 | 2 200 | | | 2 200 | 3 600 | |
| | <ul style="list-style-type: none"> Concrete 6 m < H ≤ 28 m Cement-base mortar | 120 | 230 | 300 | 2 200 | | | 2 200 | 2 200 | |
| INTERIOR FLOORS | <ul style="list-style-type: none"> Existing tiles H ≤ 6 m | 120 | 230 | 300 | 2 200 | | | 1 200 | 1 200 | |
| | <ul style="list-style-type: none"> Concrete slabs on earth platform Fluid anhydrite screed (d) with or without underfloor heating Fluid or standard cement floor or screed on insulating material, with or without heated flooring P3 levelling mortar | 300 | | 900 | 10 000 | 10 000 | | 3 600 | 3 600 | |
| | <ul style="list-style-type: none"> Concrete floor above crawl space or unheated premises Bonded slabs or screed above crawl space or unheated premises Existing tiles - Granito Sanded paintwork (e) Semi-flexible tiles (e) Non-redispersible adhesive Asphalt screed (A1) Electric radiant underfloor heating | 300 | | 900 | 3 600 | 3 600 | | 3 600 | 3 600 | |
| | <ul style="list-style-type: none"> Lightweight floors or screed (d ≥ 0,65) Dry screed | 300 | | 900 | 2 200 | 2 200 | | 2 200 | 2 200 | |
| | <ul style="list-style-type: none"> Wood panels (CTB-H/CTB-X/OSB3) Bonded mosaic wood flooring (e) | 300 | | 900 | 1 200 | 1 200 | | 1 200 | 1 200 | |
| | <ul style="list-style-type: none"> Waterproofing membrane Approved PU liquid waterproofing system | 300 | | 900 | 3 600 | 3 600 | | 2 200 | 2 200 | |
| EXTERIOR FLOORS (f) | <ul style="list-style-type: none"> Concrete slabs on earth platform Concrete floors Paving or screed on insulating and soundproofing material P3 levelling mortar Existing tiles | 300 | | 900 | 2 200 | 2 200 | | 3 600 | 3 600 | |
| | <ul style="list-style-type: none"> Cement mortar - Concrete Waterproofing mortar 588 ENDUIT D'ÉTANCHÉITÉ (liquid waterproofing system) | 300 | | | 900 | | | | | |
| SWIMMING POOLS | | | | | 1 800 | | | | | |

(a) For details of permissible levels of exposure to water, please refer to the product selection guide - (b) Please refer to standards and building regulations in force (e.g. CPT, DTU for France) - (c) Prime with **124 PROLIPRIM** or **165 PROLIPRIM UNIVERSEL** - (d) On anhydrite screed apply 2 coats of **124 PROLIPRIM** or **165 PROLIPRIM UNIVERSEL** allowing at least 30 min between coats. - (e) Prime with **162 PRIMAPRÉNE PLUS**, **165 PROLIPRIM UNIVERSEL** - (f) With a slope ≥ 1.5 cm/m and pressed or drawn tiles with a porosity of ≤ 3%.

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PACKAGING

- ▶ 25 kg bag
- ▶ Pallet containing 48 x 25 kg bags (1 200 kg)

STORAGE

- ▶ **12 months** from date of manufacture if stored in unopened original packaging in dry conditions

WARRANTY

- ▶ Manufacturer's liability

GROUTING

Drying time before grouting: 24 hrs approx.

- For tile sizes greater than 3 600 cm², joints must be aligned and at least 5 mm wide.
- Tiles that are certified UPEC option D (reduced dimensional characteristics) can be laid offset by of the longest side and/or with smaller joints (3 mm).

The following products may be used

- 5040 PROLIJOINT PERFECT*
- 542 PROLIJOINT SOL*
- 543 PROLIJOINT MUR*
- 5045 PROLIJOINT SOUPLE* (recommended for heated flooring)
- 5046 ELIT* (recommended for heated flooring)
- 547 PROLIJOINT RUSTIC*
- 548 PROLIPOX S*
- PERFECT COLOR*
- 550 - 551 PROLIJOINT RESIST*

Mortar application method and consumption guidelines

(approximate powder weight per m²)

| Tile size (cm ²) | S ≤ 50 | 50 < S ≤ 500 | 500 < S ≤ 2 200 | 2 200 < S ≤ 3 600 | | | | |
|------------------------------|----------------------------|--------------------------|----------------------------|---|---|--|---|------------------------------------|
| INTERIOR WALLS | 1,5 kg/m ² (U3) | 3 kg/m ² (U6) | 5 kg/m ² (U9) | 6 kg/m ² (U9) | | | | |
| Tile size (cm ²) | S ≤ 50 | 50 < S ≤ 300 | 300 < S ≤ 1 200 | 1 200 < S ≤ 2 200 | 2 200 < S ≤ 3 600 | | | |
| EXTERIOR WALLS | 3,5 kg/m ² (U6) | 5 kg/m ² (U6) | 6 kg/m ² (U9) | 7 kg/m ² (U9) | 8 kg/m ² (U9) | | | |
| Tile size (cm ²) | S ≤ 50 | 50 < S ≤ 300 | 300 < S ≤ 500 | 500 < S ≤ 1 200 | | 1 200 < S ≤ 2 200 | 2 200 < S ≤ 3 600 | 3 600 < S ≤ 10 000 |
| INTERIOR FLOORS | 1,5 kg/m ² (U3) | 3 kg/m ² (U6) | 3,5 kg/m ² (U9) | 4 kg/m ² (U9) <small>ceramics p > 0,5% natural stone p > 2%</small> | 5 kg/m ² (U9) <small>ceramics p > 0,5% natural stone p > 2%</small> | 6 kg/m ² (U9 ou DLø20 ou E10) | 7 kg/m ² (DLø20 ou E10) | 8 kg/m ² (DLø20 ou E10) |
| EXTERIOR FLOORS | 1,5 kg/m ² (U3) | 4 kg/m ² (U6) | 5 kg/m ² (U9) | 6 kg/m ² (U9) | | 7 kg/m ² (DLø20 ou E10) | 8 kg/m ² (DLø20 ou E10) <small>natural stone only</small> | |

| | | |
|----------------|--------------|-----------------|
| SINGLE BONDING | DUAL BONDING | NON PERMISSIBLE |
|----------------|--------------|-----------------|

p = porosity %

TECHNICAL ASSISTANCE: ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

TECHNICAL DATA SHEET ISSUED - September 2017

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at www.parexlanko.com.

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* Please refer to the product's Technical Data Sheet.

PRECAUTIONS

- Temperature range for use: 5°C to 30°C.
- Above 25°C, the waiting time before applying covering materials will be shorter.
- Refer to the Safety Data Sheet before use.

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