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PRODUCT FEATURES

- ▶ Rapid return to service
- ▶ New and renovation work
- ▶ Grouting possible after just 2-4 hours
- ▶ Suitable for interior walls
- ▶ Suitable for interior & exterior floors

WATER DOSAGE

- ▶ 5 to 5.5 litres

CONSUMPTION

- ▶ 3 to 8 kg/m² (see consumption table)

REFERENCE DOCUMENT

- ▶ Compliant with Standard EN 12004

DESCRIPTION

- High-performance mortar adhesive for hanging and laying ceramic tiles up to sizes of 3 600 cm² on new and old substrates.
- Particularly suitable for premises requiring a rapid return to service (e.g. reception areas, corridors, exhibition rooms, staircases).

USES

- Interior 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*

NON-PERMISSIBLE SUBSTRATES

- Cement-fibre, metal
- Film coatings of less than 3 mm thickness
- All types of under-floor heating

SPECIFICATIONS

- **Appearance:** grey powder
- **Apparent powder density:** 1.3 ± 0.1
- **pH:** 12 ± 1
- **Composition:** hydraulic binder, plasticizing resin, mineral filler and admixtures

PERFORMANCE CHARACTERISTICS (1)

- **Open time:** 10 min approx.
- **Setting-up time:** 10 min approx.
- **Pot life:** 15 min approx.
- **Return to service:**
 - normal traffic: 3 hours
 - heavy traffic: 8 hours
- **Initial bond strength at 28 days (MPa):** ≥ 1
- **Initial bond strength at 6 hours (MPa):** ≥ 0,5
- **Bond strength after water action (MPa):** ≥ 1
- **Bond strength after freeze/thaw cycle (MPa):** ≥ 1
- **Bond strength after heating (MPa):** ≥ 1
- **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 5 mm max. below 2 m ruler

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.
- Strip wax from wooden flooring.
- Remove blown tiles and poorly bonded plastic slabs.
- Replace missing elements or rectify flatness defects up to 10 mm with 528 PROLIRAPIDE.
- Scrape or sand old varnish, chipped paint or glue finishes.
- De-sheen silk paint and enamel finishes.
- Vacuum up the resulting dust.
- 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.

Reconstituted stone

- Maximum polymer content: 6%.
- Check that the underside of the slab is flat, clean, sound and cohesive (porosity > 0.5%).
- Slabs must be stabilized so as to ensure that there are no dimensional variations.
- Use a Ø20 half-moon comb for dual bonding.

PRODUCT PREPARATION

- Mix one 25 kg bag of 528 PROLIRAPIDE with 5 to 5.5 litres of clean water (i.e. 20-22% water content) until evenly distributed.

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.

GROUTING

Drying time before grouting: 2 to 4 hrs approx.

The following products may be used

- 5040 PROLIJOINT PERFECT*
- 542 PROLIJOINT SOL*
- 543 PROLIJOINT MUR*
- 5045 PROLIJOINT SOUPLE*
- 5046 ELIT*
- 547 PROLIJOINT RUSTIC*
- 548 PROLIPOX S*
- PERFECT COLOR*
- 550 - 551 PROLIJOINT RESIST*

528 PROLIRAPIDE

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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.

PACKAGING

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

STORAGE

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

WARRANTY

- ▶ Manufacturer's liability

Suitable substrates and covering materials

		MAXIMUM SURFACE IN CM ²						MAXIMUM WEIGHT
		Brick slips	Terracotta tiles	Stone-ware	Earthen-ware	Reconstituted stone	Natural stone	
INTERIOR WALLS (a) - H < 6 m	SUBSTRATES (b)							40 kg/m ²
	<ul style="list-style-type: none"> • Concrete • Cement-based mortar • Plasterboard (waterproofed or not) • Terracotta tiles • Cellular concrete • Existing tiles (on cement substrate) 	230	300	2 200	2 200		2 200	
INTERIOR FLOORS (a)	<ul style="list-style-type: none"> • Wood panels (CTB-H/CTB-X/OSB) • Tile backer board • Cement or sand-lime board 	230	300	1 200	1 200		1 200	
	<ul style="list-style-type: none"> • Concrete slabs on earth platform • Concrete floors(d), including: steel composite and cellular concrete • Heavy protection • Bonded screed or slabs • Asphalt screed type A11 • Fluid anhydrite screed(e) • Self-levelling cement screed • Paving or screed on insulating and soundproofing material • P3 levelling mortar (3 mm minimum thickness) • Existing tiles - Granito • Sanded paintwork • Non-redispersible adhesive • Semi-flexible tiles 		900	3 600			3 600	
	<ul style="list-style-type: none"> • Dry screed • Lightweight floors or screed (d ≥ 0.65) 		900	2 200			2 200	
	<ul style="list-style-type: none"> • Wood panels (CTB-H/CTB-X/OSB) • Bonded mosaic flooring 		900	1 200			1 200	
	<ul style="list-style-type: none"> • Waterproofing membrane • Approved PU liquid waterproofing system 			3 600		2 200	3 600	
EXTERIOR FLOORS (a)	<ul style="list-style-type: none"> • Concrete slabs on earth platform • Concrete flooring • Concrete slabs or screed on insulating and soundproofing material • Levelling mortar 		900	2 200		2 200	3 600	
	<ul style="list-style-type: none"> • Approved PU liquid waterproofing system 		900	2 200			3 600	

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) For details of classification of permissible premises, please refer to the product selection guide - (d) Above crawl space and unheated premises, a C2 S mortar adhesive should be used - (e) On fluid anhydrite mortar, prime with **124 PROLIPRIM** or **165 PROLIPRIM UNIVERSEL*** before applying **528 PROLIRAPIDE** - (f) With a slope ≥ 1.5 cm/m and pressed or drawn tiles with a porosity of ≤ 3%.

Mortar application method and consumption guidelines (approximate powder weight per m²)

Tile size (cm ²)	50 < S ≤ 500		500 < S ≤ 2 200		p = porosity %	
	3 kg/m ² (U6)	5 kg/m ² (U9)			SINGLE BONDING	DUAL BONDING
INTERIOR WALLS	3 kg/m ² (U6)	5 kg/m ² (U9)				
Tile size (cm ²)	50 < S ≤ 300	300 < S ≤ 500	500 < S ≤ 1 200		1 200 < S ≤ 2 200	2 200 < S ≤ 3 600
	3 kg/m ² (U6)	3.5 kg/m ² (U9)	4 kg/m ² (U9) p > 0.5% for ceramics p > 2% for natural stone	5 kg/m ² (U9) p > 0.5% for ceramics p > 2% for natural stone	6 kg/m ² (U9 ou DLø20 ou E10)	7 kg/m ² (DLø20 ou E10)
INTERIOR FLOORS						
EXTERIOR FLOORS	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) natural stone only

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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PRECAUTIONS

- Temperature range for use: 5°C to 30°C.
- Refer to the Safety Data Sheet before use.