



1/2

**PRODUCT FEATURES**

- ▶ High performance
- ▶ New and renovation work
- ▶ Dust-free
- ▶ No need for primer on existing tiles
- ▶ Grey and white

**WATER DOSAGE**

- ▶ 5.5 to 6 litres

**CONSUMPTION**

- ▶ 3 to 8 kg/m<sup>2</sup> (see consumption table)

**REFERENCE DOCUMENTS**

- ▶ Compliant with Standard EN 12004
- ▶ QB certificate

# 5024 PROLIDAL PLUS



**DESCRIPTION**

- High-performance mortar adhesive for hanging and laying ceramic tiles up to sizes of 3 600 cm<sup>2</sup> on new and old substrates.
- **5024 PROLIDAL PLUS** is suitable for use with reduced porosity tiles and for swimming pools.

**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**

- Metal-base substrates,
- Film coatings of less than 3 mm thickness
- All types of under-floor heating

**SPECIFICATIONS**

- **Appearance:** grey or white powder
- **Apparent powder density:** 1.2 ± 0.1
- **pH:** 12 ± 1
- **Composition:** hydraulic binder, plasticizing resin, mineral filler and admixtures

**PERFORMANCE CHARACTERISTICS (1)**

- **Open time:** 30 min approx.
- **Setting-up time:** 20 min approx.
- **Pot life:** 2 hours approx.
- **Return to service:** 24 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
- **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.
- Remove wax from wooden flooring.
- Remove blown tiles and poorly bonded plastic slabs.
- Replace missing elements or rectify flatness defects up to 10 mm with **5024 PROLIDAL PLUS**.
- 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.
- **Existing earthenware:** de-sheen and rake down to old adhesive.

■ **PRODUCT PREPARATION**

- Mix one 25 kg bag of **5024 PROLIDAL PLUS** with 5.5 to 6 litres of clean water (i.e. 22-24% water content) until evenly distributed.

■ **APPLICATION**

- Spread the adhesive mortar with a trowel or float over a surface of between 1 m<sup>2</sup> and 2 m<sup>2</sup>. 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:** 24 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\*

\* 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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2/2

## FOR BEST RESULTS

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

## PACKAGING

- ▶ 5 kg box
- ▶ 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

## Suitable substrates and covering materials

		MAXIMUM SURFACE IN CM <sup>2</sup>					
		Brick slips	Terracotta tiles	Stoneware	Earthenware	Natural stone	MAXIMUM WEIGHT
INTERIOR WALLS (a) - H < 6 m	<b>SUBSTRATES (b)</b>						
	<ul style="list-style-type: none"> <li>• Concrete</li> <li>• Cement-based mortar</li> <li>• Plasterboard (waterproofed or not)</li> <li>• Terracotta tiles</li> <li>• Cellular concrete</li> <li>• Existing tiles (on cement substrate)</li> <li>• Sanded paintwork (on cement substrate)</li> </ul>	230	300	2 200	2 200	2 200	40 kg/m <sup>2</sup>
INTERIOR FLOORS (a)	<ul style="list-style-type: none"> <li>• Wood panels (CTB-H/CTB-X/OSB3)</li> <li>• Tile backer board</li> <li>• Cement or sand-lime board</li> </ul>	230	300	1 200	1 200	1 200	
	<ul style="list-style-type: none"> <li>• Concrete slabs on earth platform</li> <li>• Concrete floors(d), including: steel composite and cellular concrete</li> <li>• Heavy protection</li> <li>• Bonded screed or slabs</li> <li>• Asphalt screed type A11</li> <li>• Fluid anhydrite screed(e)</li> <li>• Self-leveling cement screed</li> <li>• Paving or screed on insulating and soundproofing material</li> <li>• P3 levelling mortar (3 mm minimum thickness)</li> <li>• Existing tiles - Granito</li> <li>• Sanded paintwork</li> <li>• Non-redispersible adhesive</li> <li>• Rigid plastic tiles</li> </ul>		900	3 600		3 600	
	<ul style="list-style-type: none"> <li>• Dry screed</li> <li>• Lightweight floors or screed (d ≥ 0.65)</li> </ul>		900	2 200		2 200	
	<ul style="list-style-type: none"> <li>• Wood panels (CTB-H/CTB-X/OSB3)</li> <li>• Bonded mosaic flooring</li> </ul>		900	1 200		1 200	
	<ul style="list-style-type: none"> <li>• Waterproofing membrane</li> <li>• Approved PU liquid waterproofing system</li> </ul>			3 600		2 000	
	<ul style="list-style-type: none"> <li>• Concrete slabs on earth platform</li> <li>• Concrete flooring, concrete slabs or cement screed</li> <li>• P3 levelling mortar</li> </ul>		900	2 200		3 600	40 kg/m <sup>2</sup>
EXTERIOR FLOORS (a)							
SWIMMING POOL	<ul style="list-style-type: none"> <li>• Cement mortar</li> <li>• Concrete</li> <li>• Waterproofing mortar</li> <li>• 588 ENDUIT D'ÉTANCHÉITÉ (liquid waterproofing system)</li> </ul>			900			
				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) 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 anhydrite screed, apply 2 coats of **124 PROLIPRIM**® or **165 PROLIPRIM UNIVERSEL**® primer, 30 minutes apart, before applying **5024 PROLIDAL PLUS** - (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 m<sup>2</sup>)

Tile size (cm <sup>2</sup> )	50 < S ≤ 500		500 < S ≤ 2 200		p = porosity %	
	3 kg/m <sup>2</sup> (U6)	5 kg/m <sup>2</sup> (U9)			SINGLE BONDING	DUAL BONDING
INTERIOR WALLS						
Tile size (cm <sup>2</sup> )	50 < S ≤ 300	300 < S ≤ 500	500 < S ≤ 1 200		1 200 < S ≤ 2 200	2 200 < S ≤ 3 600
INTERIOR FLOORS	3 kg/m <sup>2</sup> (U6)	3.5 kg/m <sup>2</sup> (U9)	4 kg/m <sup>2</sup> (U9) p > 0.5% for ceramics p > 2% for natural stone	5 kg/m <sup>2</sup> (U9) p > 0.5% for ceramics p > 2% for natural stone	6 kg/m <sup>2</sup> (U9 ou DLø20 ou E10)	7 kg/m <sup>2</sup> (DLø20 ou E10)
EXTERIOR FLOORS	4 kg/m <sup>2</sup> (U6)	5 kg/m <sup>2</sup> (U9)	6 kg/m <sup>2</sup> (U9)		7 kg/m <sup>2</sup> (DLø20 ou E10)	8 kg/m <sup>2</sup> (DLø20 ou E10) natural stone only

## PRECAUTIONS

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

**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](http://www.parexlanko.com).

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