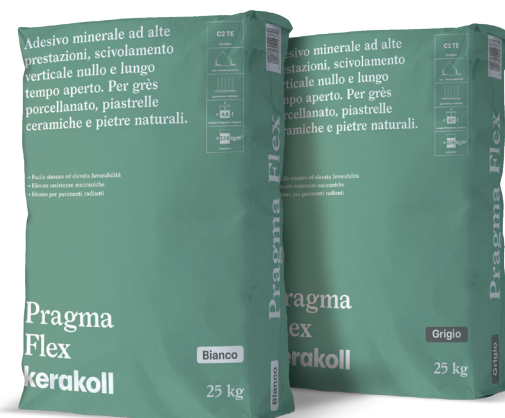


Pragma Flex

replaces Bioflex

High performance mineral adhesive with no vertical slip and extended open time. For porcelain tiles, ceramic tiles and natural stone.



1. Easy to spread, high workability
2. High mechanical resistance
3. Suitable for heated floors

kerakoll

Areas of application

→ Use

Substrates:

- Cement-based screeds and mortars
- Anhydrite screeds ⁽¹⁾
- Cement-based plasters/renders
- Gypsum-base plasters ⁽¹⁾
- Cellular concrete, for internal use
- Plasterboard
- Heated floors
- To overlay existing floors
- Fibro-cement slabs

(1) After application of Active Prime Fix or Active Prime Grip

Materials:

- Ceramic tiles
- Porcelain tiles
- Terracotta
- Klinker
- Marble and natural stone
- Various mosaics
- Internal insulating and soundproofing panels

Uses:

- Adhesive and finishing
- Floors and walls
- For internal use - External
- Overlaying
- Domestic
- Commercial
- Street furniture
- Marine

Do not use:

- On timber, metal, plastic or resilient materials, deformable substrates or subject to vibrations
- On screeds, plasters/renders, concrete not yet cured and affected by important drying shrinkage
- On substrates subject to vibrations
- On smooth prefabricated concrete
- On organic-based, reactive waterproofing products (such as RM according to EN 14891).

Instructions for use

→ The instructions for use are referred, where prescribed, to Italian Standard UNI 11493 "Laying of ceramic tiles on floors and walls. Instructions for planning, laying and maintenance".

→ Preparation of the substrate (UNI 11493 - point 7.3)
All substrates must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising. It is best to dampen highly absorbent cement-based substrates before the application or apply one coat of Active Prime Fix or Active Prime Grip.

→ Preparation

Mixing water (EN 12004-2):

- Grey ≈ 27.5% weight
- white ≈ 31% weight

Mixing water on-site:

- Grey ≈ 6.7 l / 1 x 25 kg bag
- white ≈ 6.9 l / 1 x 25 kg bag

The amount of water indicated on the packaging is indicative. It is possible to obtain mixtures with consistency of variable thixotropy according to the application to be made.

→ Application (UNI 11493 - points 7.9/11)

To guarantee maximum adhesion it is necessary to apply a layer of adhesive sufficient to cover the entire back of the coating material.

Large, rectangular sizes with sides > 60 cm and low thickness sheets may require adhesive to be applied directly to the back of the material. Check samples to make sure the adhesive has been transferred to the back of the material. Respect structural, fractionizing, and perimeter joints present in the substrates. Abide by local existing provisions when creating elastic expansion joints.

Standard UNI 11493 – joints must divide the surface into areas of the following sizes:

- ≈ 10 m² in external use
- ≈ 25 m² in internal use

→ Cleaning

Clean the tools and any residues of the product from the surfaces using water while the adhesive is still fresh. Once hardened, the adhesive can only be removed by mechanical means.

Special notes

→ Materials and special substrates

Marble and Natural Stone that is subject to deformation or staining due to water absorption requires a quick-setting or reactive adhesive. Marble and natural stone in general may have characteristics that vary even with reference to materials of the same chemical and physical nature. For this reason it is essential you consult Kerakoll Global Service to request specific indications or to carry out a test on a sample of the material.

In the absence of specific indications from the manufacturer, natural stone slabs with reinforcement layers, in the form of resin coating, polymer mesh, matting, etc. or treatments (for example damp courses, etc.) applied on the laying surface must be tested in advance to ensure they are compatible with the adhesive. Check for the presence of any really consistent traces of rock dust created during cutting, and remove them if found.

→ Special applications

- Insulating and soundproofing panels for interior use applied as recommended by the manufacturers.
- Plasterboard and fibro-cement slabs must be firmly anchored to specific metal frames.

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Abstract

Laying of porcelain tiles, ceramic tiles, mosaics, marble, granite and natural stones will be carried out using a high-performance, mineral adhesive with no vertical slip and long open time, compliant with standard EN 12004 – class C2 TE, such as Pragma Flex by Kerakoll Spa. Substrates must be compact, with no loose, flaky material, clean and fully cured, having already completed the curing period for hygrometric shrinkage. A ___ mm toothed spreader must be used for an average coverage of \approx ___ kg/m². Existing joints must be respected, create elastic fractionizing joints every ___ m² of continuous surface. Tiles must be laid with joint-gap spacers with a width of ___ mm.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	White or grey pre-mixed powder	
Pack	25 – 5 kg bags	
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity	
Thickness	from 2 to 15 mm	
Temperature range for application	from +5 °C to +35 °C	UNI 11493 - 8.3
Pot life at +23 °C	≥ 3 hrs	
Open time to +23 °C	≥ 30 min.	EN 12004-2
Foot traffic/grouting of joints at +23 °C:		
- white	≈ 20 hrs	
- grey	≈ 18 hrs	
Grouting in walls at +23 °C:		
- white	≈ 15 hrs	
- grey	≈ 10 hrs	
Ready for use at +23 °C / +5 °C:		
- light foot traffic	≈ 2 – 3 days	
- heavy traffic	≈ 3 – 7 days	
- swimming-pools	≈ 14 days	
Consumption	≈ 2.5 – 6 kg/m ²	

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate and of the materials laid.

Performance

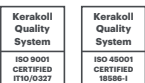
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions

Conformity	EC 1 plus GEV-Emicode	GEV Certified 16968/11.01.02
HIGH-TECH		
Shear adhesion (porcelain tiles/porcelain tiles) after 28 days	≥ 1,5 N/mm ²	ANSI A-118.4
Tensile adhesion (concrete/porcelain tiles) after 28 days	≥ 1 N/mm ²	EN 12004-2
Durability test:		
- adhesion after heat ageing	≥ 1 N/mm ²	EN 12004-2
- adhesion after water immersion	≥ 1 N/mm ²	EN 12004-2
- adhesion after freeze-thaw cycles	≥ 1 N/mm ²	EN 12004-2
Vertical slip	≤ 0,5 mm	EN 12004-2
Working temperature	from -30 °C to +80 °C	
Conformity	C2 TE	EN 12004

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Warning

- abide by any standards and national regulations
- do not use the adhesive to correct substrate irregularities greater than 15 mm
- protect from direct rainfall for at least 24 hrs
- the temperature, ventilation and absorption of the substrate and covering materials, may vary the adhesive workability and setting times
- use the right size of notched trowel for the format of the tile or slab
- guarantee a full-bed in all external laying operations
- if necessary, ask for the safety data sheet
- for any other issues, contact Kerakoll Technical Customer Service: + 39 0536.811.516
www.kerakoll.com/contatti



This information was last updated in December 2025; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions of your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.