Code: P1356 2024/03 - UK/EN

Setafix Basic

Standard setting mineral adhesive. For porcelain tiles, ceramic tiles and natural stone.

GREENBUILDING RATING
REF. GBR DATA REPORT 03.24
APPROVED

Rating 3

- ✓ Regional Mineral ≥ 60%
- × Recycled Regional Mineral ≥ 30%
- ✓ CO_2 Emission ≤ 250 g/kg
- × VOC Low Emission
- ✓ Recyclable

1. Floors and walls
2. Thicknesses from 3 to 12 mm
3. For internal and external use

kerakoll

Areas of application

→ Use

Substrates:
- gypsum and anhydrite
- plasterboard
- heating systems
- waterproofing products
- concrete
- cement-based screeds

Materials:
- porcelain tiles
- ceramic tiles
- natural stone
- glass mosaics
- terracotta - klinker

Uses:
- floors and walls
- for internal and external use
- swimming pools
- domestic
- commercial
- industrial

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.

Instructions for use

→ Preparation of the substrate

Substrates must comply with BS 5385, parts 1-5, be compact, free from substances that reduce adhesion such as dust, oil, grease and with no loose material. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage.

Anhydrite screeds must have a residual moisture of ≤ 0.5 CM% and ≤ 0.3 CM% in the case of radiating floors.

Cement-based screeds must have a residual moisture of ≤ 2 CM% and ≤ 1.8 CM% in the case of radiating floors.

→ Preparation

Mixing water (EN 1348):
≈ 24% - 27% by weight
Mixing water on-site:
≈ 4.8 - 5.4 l/1 bag

The amount of water to be added, indicated on the packaging, is an approximate guide. It is possible to obtain mixtures with consistency of variable thixotropy according to the application to be made.

→ Application

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

Create elastic expansion joints:
- ≈ 10 m² in external applications (approx. 3x3 m)
- 40 m² in internal applications (8x5 m) with underfloor heating
- ≈ 100 m² in internal applications (10x10 m) without underfloor heating
- every 8 metres in long, narrow applications.

Respect all structural, fractionizing and perimeter joints present in the substrates.

Special notes

→ **Pre-treatment of special substrates**
Gypsum and anhydrite (internal use only): Primer A Eco
As treating special substrates is difficult to classify in a standard manner, it is always advisable to contact Kerakoll Global Service and/or request a site inspection by a GreenBuilding Consultant. In any case it is essential to carefully read the technical data sheet on how to use the indicated primers properly.

→ **Materials and special substrates**
Natural stones and recomposed materials: materials that are known to be subject to deformation or staining due to water absorption require a quick-setting or reactive adhesive.

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.
Waterproofing products: adherent and floating polymer sheets, liquid bitumen and tar-based sheets or membranes require application of a laying screed on top. In the case of reactive waterproofing products (such as RM waterproofing according to EN 14891) it is necessary to use a reactive adhesive.

Certificates and marks

CE EN 12004 C2 TE EN 12004

Technical Data compliant with Kerakoll Quality Standard		
Pack	20 kg	
Shelf life	≈ 12 months in the original packaging in dry environment. Protect from humidity.	
Adhesive thickness	from 3 to 12 mm	
Temperature of the air, substrates and materials	from +5 °C to +35 °C	
Pot life at +23 °C	≈ 3 hrs	
Open time at +23 °C (BIII tile)	≥ 45 min.	EN 12004-2
Foot traffic/grouting of joints at +23 °C (BIa tile)	≈ 24 hrs	
Grouting in walls at +23 °C (BIa tile)	≈ 16 hrs	
Ready for use at +23 °C / +5 °C (BIa tile):		
- light foot traffic	≈ 1 day	
- heavy traffic	≈ 3 – 5 days	
- swimming pools (+23 °C)	≈ 14 days	
Coverage per mm thickness (mixing ratio 27%)	≈ 1.2 kg/m²	

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 absorbency level of the substrate and of the materials laid.

Performance		
HIGH-TECH		
Shear adhesion (porcelain tiles/porcelain tiles) after 28 days	≥ 1 N/mm²	ANSI A-118.4
Tensile adhesion (concrete/porcelain tiles) after 28 days	≥ 1 N/mm²	EN 12004-2
Durability test:		
- adhesion after heat ageing	≥ 1 N/mm²	EN 12004-2
- adhesion after water immersion	≥ 1 N/mm²	EN 12004-2
- adhesion after freeze-thaw cycles	≥ 1 N/mm²	EN 12004-2
Vertical slip	≤ 0.5 mm	EN 12004-2
Working temperature	from -40 °C to +90 °C	

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

Warning

→ Product for professional use
→ abide by any standards and national regulations
→ do not use the adhesive to correct substrate irregularities greater than 12 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 toothed spreader for the format of the tile
→ guarantee a full-bed in all external laying operations
→ if necessary, ask for the safety data sheet
→ for any other issues, contact the Kerakoll Worldwide Global Service 01772 456 831 - info@kerakoll.co.uk

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