

Biotile

Adhesive for fixing tiles indoor and outdoor areas.



1. Walls and floors
2. Adjustable
3. Thicknesses up to 10 mm
4. No sag
5. Prolonged workability
6. Very low VOC

Rating 4



- ✓ Regional Mineral $\geq 60\%$
- × Recycled Mineral $\geq 30\%$
- ✓ $\text{CO}_2 \leq 250 \text{ g/kg}$
- ✓ VOC Very Low Emission
- ✓ Recyclable

Areas of application

→ Intended use:

Substrates:

- cement-based screeds and mortars
- cement-based plasters/renders
- concrete
- screeds produced with Biocem
- cement-based self-levelling products
- mortar modified with Aquastop P6

Materials:

- ceramic tiles
- terracotta
- ceramic mosaic
- red clay wire cut bricks

Uses:

- for floors and walls
- for internal use - External
- domestic applications
- commercial applications
- street furniture

Instructions for use

→ Preparation of the substrate

All surfaces must be dimensionally stable according to IS 1443-1972, level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.

It is good practice to dampen highly absorbent concrete substrates or apply a coat of Primer A Eco.

→ Adhesive preparation

Mixing water

- ≈ 4.8 – 5.8 litres per 20 kg bag
- ≈ 7.2 – 8,7 litres per 30 kg bag

→ Application

To guarantee maximum adhesion it is necessary to apply a sufficient layer of adhesive.

Large, rectangular sizes with sides > 30 cm may require adhesive to be applied directly on the back surface of the tile.

Check samples to make sure the adhesive has been transferred to the back of the material.

Create elastic expansion joints:

- ≈ 10 m² in external applications,
 - ≈ 25 m² in internal applications,
 - every 8 metres in long, narrow applications.
- Respect all structural, fractionizing and perimeter joints present in the substrates.

Special notes

→ **Materials and special substrates**

Marble, Natural Stones and Recomposed Materials that are subject to deformation or staining due to water absorption require a reactive adhesive.

Marble, natural stones and recomposed materials 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 India Helpline to request specific indications or to carry out a test on a sample of the material. Check for the presence of any really consistent traces of rock dust created during cutting, and remove them if found.

→ **Do not use**

On timber, metal, plastic or resilient materials, deformable substrates or subject to vibrations.

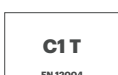
On substrates subject to vibrations.

On plasterboard and fibre-cement slabs.

On non-cured screeds, plaster/renders or concrete.

On plasterboard and fibre-cement slabs without priming.

Certificates and marks



Technical Data compliant with Kerakoll Quality Standard

Shelf life	≈ 12 months in the original packaging. Protect from humidity	
Pack	20 kg and 30 kg bags	
Adhesive thickness	up to 10 mm	
Temperature of the air, substrates and materials	from +5 °C to +35 °C	
Pot life:		
- +23 °C	≈ 5 hrs	
- +35 °C	≈ 3 hrs	
Open time at +27 °C (BIII tile)	≥ 20 min.	EN 12004
Correction time at +27 °C (BIII tile)	≥ 10 min.	EN 12004
Foot traffic/grouting of joints (BIa tile):		
- +23 °C	≈ 36 hrs	EN 14411
- +35 °C	≈ 24 hrs	EN 14411
Grouting in walls:		
- +23 °C	≈ 24 hrs	EN 14411
- +35 °C	≈ 18 hrs	EN 14411
Ready for use at +23 °C / +35 °C (BIa tile):		
- foot traffic	≈ 4 - 2 days	EN 14411
- heavy traffic	≈ 6 - 3 days	EN 14411
Coverage	≈ 1.2 kg/m ² per mm of thickness	

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

Conformity	EC 1 plus GEV-Emicode	GEV Certified 5727/11.01.02
------------	-----------------------	--------------------------------

HIGH-TECH

Tensile adhesion (ceramic) after 28 days	$\geq 1 \text{ N/mm}^2$	EN 12004-2
--	-------------------------	------------

Tensile adhesion strength (dry condition)	$\geq 0.5 \text{ N/mm}^2$	IS 15477:2019
---	---------------------------	---------------

Shear adhesion (dry condition)	$\geq 1 \text{ N/mm}^2$	IS 15477:2019
--------------------------------	-------------------------	---------------

Vertical slip	$\leq 0.5 \text{ mm}$	IS 15477:2019
---------------	-----------------------	---------------

Durability test:

- adhesion after heat ageing	$\geq 0.5 \text{ N/mm}^2$	EN 12004-2
------------------------------	---------------------------	------------

- adhesion after water immersion	$\geq 0.5 \text{ N/mm}^2$	EN 12004-2
----------------------------------	---------------------------	------------

- adhesion after freeze-thaw cycles	$\geq 0.5 \text{ N/mm}^2$	EN 12004-2
-------------------------------------	---------------------------	------------

Working temperature	from $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$	
---------------------	---	--

Values taken at $+23 \text{ }^\circ\text{C}$, 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 10 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 the Kerakoll India Helpline (Toll Free) 1800-200-6550 – info@kerakollindia.com

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in July 2024 (ref. GBR Data Report - 06.24); 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 in 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.