



# Tack Eco

Eco-friendly, mineral adhesive binder for high-performance laying using the tacking or slurry technique applied to a fresh cement-based screed, ideal for use in GreenBuilding. Single-component, recyclable as an inert material at the end of its life.

Tack Eco develops high levels of adhesion thereby guaranteeing the long life of the covering laid using the tacking or slurry technique applied to homogeneous tiles and reduced water-absorption ceramic tiles.

## Product Strengths

- Floors, for internal and external use
- Adjustability  $\geq 30$  min.
- Suitable for ceramic, porcelain and single-fired tiles and stable natural stone

## GreenBuilding Rating

	 Mineral $\geq 60\%$	 Recycled Mineral $\geq 30\%$	 $\leq 250$ g/kg	 Low Emission	 Recyclable
					Can be recycled as inert material

**Tack Eco**

- Category: Inorganic Mineral Products
- Class: Mineral Adhesives
- Rating: Eco 1

## Areas of use

### Use

Laying with tacking technique or slurry key on fresh cement-based screeds, of homogeneous tiles, ceramic tiles of all types, marble and stable natural stone.

### Materials:

- homogeneous tiles, ceramic tiles, klinker, cotto, ceramic mosaic
- natural stone, agglomerate materials, marble, not subject to deformation or staining due to water absorption

Flooring for indoor and outdoor use, in domestic, industrial and commercial applications and for street furniture, also in areas subject to thermal shock and freezing.

### Do not use

On screeds which have begun setting and are subject to continuous moisture rising.

## Instructions for use

### **Preparation of substrates**

The screed must be compacted and braced to make it perfectly planar and suitable for laying covering materials. The degree of mechanical resistance must be adequate for the use of the flooring. Special care must be taken over the dosage of the cement and in the selection of the granulometry of inert fillers in order to reduce the water/cement ratio and consequent hygrometric shrinkages.

### **Preparation and Application**

**Tacking applications:** Tack Eco must be applied with the tacking method directly on the cement-based screed while it is still fresh. Spread a uniformly distributed quantity of product to create a thickness of at least 2 mm. Moisten the tacking with a sprinkler and proceed to lay the covering materials. Beat down on the flooring with the appropriate equipment, moving in a direction perpendicular to that followed during laying and constantly making sure that the tiles have adhered properly to the substrate. Moisten a second time if necessary. Depending on customary technique and preference, hydration of the tacking can also be performed after laying the tiles.

**Slurry-key applications:** mix Tack Eco in a container with clean water until a fluid, lump-free slurry key is obtained. Apply a uniform layer of at least 2 mm on the screed, using a smooth spreader or a trowel. Lay the covering materials and regulate with a rubber hammer to facilitate adhesion to the substrate without re-moistening.

### **Cleaning**

Residual traces of Tack Eco can be removed from tools and covered surfaces with water before the product has hardened.

## Special notes

In outdoor applications, for tiles and paving slabs with format  $\geq 900 \text{ cm}^2$  and when laying on surfaces subject to heavy strain, use Tack Eco as a slurry key, using a brush to apply a coat of adhesive slurry also to the rear side of the covering material. Provide for desolidarisation joints and elastic fractionizing joints for every 20/25  $\text{m}^2$  in indoor applications, 10/15  $\text{m}^2$  in outdoor applications and for every 8 metres length in the case of long, narrow applications.

## Abstract

*High-performance laying of ceramic tiles on fresh screeds must be carried out with a professional, superior-technology tacking adhesive such as Tack Eco manufactured by Kerakoll. Laying can be carried out with tacking of the product as it is or by application of a fluid slurry key with a spreader, for an average coverage of  $\approx$  \_\_\_  $\text{kg}/\text{m}^2$ . Existing joints must be respected and elastic fractionizing joints must be created for every \_\_\_  $\text{m}^2$ . Tiles must be laid with joints of \_\_\_ mm width.*

Technical data  
Compliant with Kerakoll  
Quality Standard

Appearance	Grey pre-mixed	
Apparent volumetric mass	≈ 1,04 kg/dm <sup>3</sup>	UEAtc/CSTB 2435
Mineralogical nature of inert material	Silicate crystalline	
Grading	≈ 0 - 800 μm	
Shelf life	≈ 12 months in the original packaging in dry environment	
Packaging	Bags 25 kg	
Mixing water for use as a slurry key	≈ 9 l / 1 bag 25 kg	
Temperature range for application	from +5 °C to +35 °C	
Adjustability	≥ 30 min.	
Foot traffic	≈ 24 hrs	
Grouting	≈ 7 - 14 days	
Interval before normal use	≈ 14 days	
Coverage *	≈ 2 - 3 kg/m <sup>2</sup>	

*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.*

*(\*) Can vary depending on the irregularity of the substrate and the format of the tile.*

Performance  
High-Tech

Tensile adhesion on concrete after 28 days	≥ 1 N/mm <sup>2</sup>	EN 1348
Durability test:		
- Adhesion after heat ageing	≥ 1 N/mm <sup>2</sup>	EN 1348
- Adhesion after water immersion	≥ 1 N/mm <sup>2</sup>	EN 1348
- Adhesion after freeze-thaw cycles	≥ 1 N/mm <sup>2</sup>	EN 1348
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
- protect against direct rain and freezing for at least 24 h
- the temperature, ventilation and absorption of the substrate and covering materials may vary the workability and setting times of the tacking adhesive
- grout joints once the screed has hardened to avoid variation in colour tone
- moisten the tacking uniformly
- perform laying and beating of tiles while the screed is still fresh
- respect the structural joints
- if necessary, ask for the safety data sheet
- for further information please consult the Kerakoll India Global Service +91 93 2404 5205 - info@kerakollindia.com

This information was last updated in June 2010; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. The Eco rating data refers to the GBR Data Report 02/2010. 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 yards 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.



KERAKOLL INDIA Pvt. Ltd.  
Kotia Nirman 305-A Veera Desai Rd.  
Andheri (w) MUMBAI 400058, INDIA  
Tel +91 22 2673 5711 - Fax +91 22 2673 3717  
info@kerakollindia.com - www.kerakoll.com