

# Tetra Tack Crystal

Elastic, hybrid adhesive with high initial setting for immediate fastening.

Tetra Tack Crystal enables invisible, long-lasting elastic bonding. Even on elements subject to movement and stress.



## Rating 3

1. Higher suction effect
2. Extreme bonding power
3. High final tightness
4. Adheres to all substrates, including damp ones
5. Overpaintable
6. Permanent elasticity
7. Crystal-clear for invisible bonding

- × Regional Mineral  $\geq 30\%$
- ✓ VOC Low Emission
- ✓ Solvent  $\leq 5$  g/kg
- × Low Ecological Impact
- ✓ Health Care

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## Areas of application

### → Use

Tetra Tack Crystal adheres immediately to various materials due to a high suction effect. Ensures long-term elastic adhesion to any type of substrate, including damp ones, and even under dynamic loads.

In particular, we recommend the use of Tetra Tack Crystal for the following:

- bonding of transparent elements;
- bonding and laying of various components, including those subject to stress;
- bonding of decorative elements, plasterboard, insulating panels, plywood strips, stairs coverings, kitchen tops;
- fast and flexible bonding.

Suitable for internal and external use, including in areas subject to freezing, in contact with the most common building materials such as:

- cement-based substrates (plaster/render, mortar, concrete):

- ceramic tiles, terracotta, bricks;
- excellent adhesion on metal substrates: steel - raw, stainless, galvanised, pre-painted, plasticised - aluminium, copper;
- glass, mirrors;
- untreated wood, chipboard, laminate, MDF, cork;
- synthetic resins, PVC;.

Do not use on loose and dusty surfaces, on bituminous structures and products exuding oils, solvents or plasticizers; on polyethylene, polypropylene, polycarbonate, polytetrafluorethylene, neoprene surfaces. It is recommended that a test be carried out before application on sensitive metal surfaces such as copper, silver and relevant alloys, marble and natural stone.

Do not use to prepare expansion joints and structural joints subject to a high degree of movement. Do not use in swimming pools.

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## Instructions for use

### → Preparation of substrates

All surfaces to be bonded must be free of standing water, dust, grease and loose debris. Remove all debonded or loose parts and carefully deoxidize all metals.

### → Preparation

The product is ready-to-use.

### → Application

Apply with the gun and supplied nozzle, making vertical strips spaced 10 to 20 cm apart. Position the special nozzle correctly, pointing the notched triangle to the outer edge with respect to the

direction of application; press down firmly so as to obtain a strip of product with an equilateral triangle section with 1 cm sides.

The application must be carried out uniformly, on the back of the material to be bonded, spreading rims as even and homogeneous as possible.

Spot application or nonhomogeneous spreading of the adhesive are not recommended.

### → Cleaning

Residual traces of adhesive can be cleaned with common solvents. Once hardened, the product can only be removed by mechanical means.

## Special notes

- Do not use in completely closed areas as the product will polymerise in atmospheric humidity.
- A base coat is normally not necessary. Specific substrates (porous or made of plastic materials) may require the use of an adhesion promoter to ensure maximum adhesion. This product is recommended for all situations at risk from dust.
- Tetra Tack Crystal can be painted over. In case of overpainting, the sealant must be fully polymerised. It is recommended to use elastomeric paints. Always carry out a preliminary compatibility test between sealant and paint.

## 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

Elastic bonding with immediate adhesion of decorative elements, panels, strips and building components and material in general will be carried out with a moisture-curing, thixotropic, silane-terminated, hybrid elastic adhesive such as Tetra Tack Crystal by Kerakoll Spa, GreenBuilding Rating 3.

### Technical Data compliant with Kerakoll Quality Standard

Appearance	transparent thixotropic paste
Specific weight	≈ 1,08 g/cm <sup>3</sup>
Chemical nature	moisture-curing silane-terminated hybrid polymer
Shelf life	≈ 12 months from production in the original sealed packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	290 ml cartridge
Temperature range for application	from +5 °C to +40 °C
Skimming time	10 min.
Reticulation time	≈ 3 mm / 24 hrs
Coverage *	6.5 m with 1 cartridge (290 ml)

Values taken at +23 °C, 50% R.H. and no ventilation.  
\* if the cartridge is applied with the special nozzle

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

Conformity	EC 1 plus GEV-Emicode	Cert. GEV 17094/11.01.02
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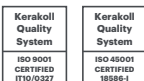
**HIGH-TECH**

Shore A Hardness	41	
Elastic modulus	1,0 MPa	DIN 53504
Elongation at break	190%	DIN 53504
Tensile strength	1,8 MPa	DIN 53504
Shear strength	1,4 N/mm <sup>2</sup>	EN 14293 – DIN 281
Resistance to atmospheric agents	Excellent	
Working temperature	from -20 °C to +80 °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
- use at temperatures between +5 °C and +40 °C
- store in a cold and dry environment
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - [globalservice@kerakoll.com](mailto:globalservice@kerakoll.com)



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in June 2023 (ref. GBR Data Report - 06.23); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://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 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.