

# Quartzo

Eco-friendly crushed sand extracted from hard natural rock, free from impurities such as silts, salts and sulphates. Suitable for creating high performance screeds for all types of tiles and natural stones.

Kerakoll Quartzo is used with Biocem, mineral binder to create normal setting, fast drying screeds of high dimensional stability with consistent mechanical properties and high durability.



1. A perfect gradation from 0 to 6 mm ensures fewer voids and increased compressive strength
2. Well balanced physical and chemical properties
3. High dimensional stability and long lasting performance
4. Eco friendly
5. Confirms to EN 13892-2 and IS 383

---

## Areas of use

### → Use

Crushed sand used with the mineral hydraulic binder Biocem to create screeds  $\geq 20$  mm thick that adhere to the substrate and floating screeds  $\geq 40$  mm thick, in domestic, commercial and industrial applications, also in areas subjected to thermal shock and freezing.

Compatible with all cement-based, reactive-epoxy and polyurethane two-component adhesives, dispersed in water and in solvent solutions.

### For laying:

- fully vitrified tiles, ceramic tiles, klinker, cotto, glass and ceramic mosaic, of all types and formats
- natural stones
- recomposed materials
- hardwood floors

### → Do not use

On deformable substrates, without having previously carried out the necessary checks tensile stress, compression movement and having provided for the necessary fractionizing joints; in adherence on concrete castings which have not yet been fully cured.

---

## Instructions for use

### → Preparation of substrates

Substrates must be dimensionally stable in accordance with IS 1443-1972, clean, dry, free from any rising damp, without cracks, free from dust and loose, crumbling parts. It must present a degree of stability suitable for its use. The structural joints present in the substrate must be created accordingly also in the thickness of the screed.

**Bonded screeds:** to improve adhesion to the substrate apply a slurry bond coat, prepared with 3 parts of Biocem, 1 part of eco-friendly, water-based latex Aquastop P6 and 1 part of water by weight.

**Floating screeds:** when laying water-sensitive flooring, in case of substrates in which there is a risk of rising damp and substrates that have not been cured completely it is essential that a damp protection barrier should be provided. On light, low-density substrates or in the presence of layers of thermal/acoustic insulating materials, the screed thickness will depend on the deformability class and load-bearing capacity of the materials mentioned.

### → Instruction for use

Kerakoll Quartzo and Biocem can be applied in a practical manner, following the traditional phases required to produce cement-based screeds: preparation of level belts, casting and compacting the mixture, leveling and final smoothing with a spreader of mechanical means. The compacting phase is particularly important to ensure the highest levels of mechanical performance.

The screed can be machine or hand-finished while still fresh. Adjust the dosage according to the final finish required. If too much water is used this may result in shrinkage and cracking and a longer drying time. Areas that have been started must be finished without any suspension in casting operations during the work itself.

### → Tools

Pressure mixers for screeds, concrete mixer, trowel, spade and aluminium frames.

### → Cleaning

Wash machines with water before the product hardens.

---

## Special notes

- Elastic joints: expansion joints must be provided for, as in the case of traditional cement-based screeds, at thresholds, niches, corners, edges, wall openings and fractionizing joints in the case of large continuous surfaces.
- Measurement of humidity: residual humidity can be measured correctly only with a calcium carbide hygrometer. Normal electric hygrometers are not allowed as they will provide unstable and incorrect values owing to the special hydraulic binders used.

---

## Warning

- Product for professional use
- abide by any standards and national regulations
- use the recommended dosages
- do not add other binders, additives or water to the mixture during the setting phase
- low temperatures and high relative humidity lengthen the drying time of the screed
- do not cure the screed
- before laying covering materials, check residual humidity with a calcium carbide hygrometer
- for any other issues, contact the Kerakoll India Global Service +91 93 2404 5205 - [info@kerakollindia.com](mailto:info@kerakollindia.com)

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in April 2024; 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.