CERTIFIED MINERAL ADHESIVE, ECO-COMPATIBLE, FOR FAST LAYING OF ALL TYPES OF TILES IN INTERNAL AND EXTERNAL. SUITABLE FOR FAST LAYING ALSO IN OVERLAPPING OF PORCELAIN, CERAMIC AND NATURAL STONE TILES. ULTRA-QUICK GRIP ALSO AT LOW TEMPERATURES. PROLONGED WORKABILITY.

SUBSTRATES
Cement-based screeds, gypsum and anhydrite, concrete, plasterboard, fibro-cement slabs, cellular concrete, lime and cement-based plasters/renders, impact noise insulation sheets, to overlay existing floors, heating systems and waterproofing products.

MATERIALS
Porcelain tiles, laminated stoneware, low thickness slabs, ceramic tiles, large formats, marble – natural stone, recomposed materials, glass mosaics, thermal and acoustic insulation, cotto – klinker.

USES
Floors and walls, internal use – external use, overlaying, terraces and balconies, saunas and spa, domestic, commercial, industrial and street furniture.

The combination of substrates, materials and uses indicated may not always be possible to achieve. It is essential that you consult the individual product technical sheets to check their suitability. Anything that is not foreseen in this list must be requested directly from Technorionite.

● PREPARATION OF THE SUBSTRATE
All substrates must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising. It is best to apply a primer like Primer A Eco by Kerakoll on very absorbent cement-based substrates.

● ADHESIVE PREPARATION
Mixing water
Grey ≈ 6,7 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 maximum adhesion it is necessary to apply a layer of adhesive sufficient to cover the entire back of the coating material. Large, rectangular sizes with sides > 60 cm and low thickness sheets may require adhesive to be applied directly to the back of the material.
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.
WORKABILITY

Packe 25 kg

Shelf life ≈ 12 months in the original packaging

Protect from humidity

Adhesive thickness from 2 to 15 mm

Coverage ≈ 2.5 – 4 kg/m²

Pot life at +23 °C:

Greyo ≈ 1 hr

Open time at +23 °C (BIII tile)

Grey ≥ 45 min. EN 1346

Foot traffic/grouting of joints at +23 °C (Bla tile)

≈ 3 hrs

Grouting in walls at +23 °C (Bla tile)

≈ 2 hrs

Ready for use at +23 °C (Bla tile)

- light foot traffic ≈ 6 hrs
- heavy traffic ≈ 24 hrs

• PRE-TREATMENT OF SPECIAL SUBSTRATES

Gypsum-based plasters/renders, anhydrite screeds and cellular concrete, for internal use:

Primer A Eco by Kerakoll.

Please see the technical data sheet on how to use the Primers properly.

MATERIALS AND SPECIAL SUBSTRATES

Marble and natural stone

Materials that are subject to deformation or staining due to water absorption require a quick-setting or reactive adhesive.

Marble and 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 Technorunite to request specific indications or to carry out a test on a sample of the material.

In the absence of specific indications from the manufacturer, natural stone slabs with reinforcement layers, in the form of resin coating, polymer mesh, matting, etc. or treatments (for example damp courses, etc.) applied on the laying surface must be tested in advance to ensure they are compatible with the adhesive.

Check for the presence of any really consistent traces of rock dust created during cutting, and remove them if found.

Waterproofing products

Adherent and floating polymer sheets, liquid bitumen and tar-based sheets or membranes require application of a laying screed on top.

• SPECIAL APPLICATIONS

Insulating and soundproofing panels applied using spot adhesion as recommended by the manufacturers.

Plasterboard and fibro-cement slabs must be firmly anchored to specific metal frames.

• 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. On organic-based waterproofing products (such as RM according to EN 14891). On smooth prefabricated concrete.
PERFORMANCE

Tensile adhesion (concrete/porcelain tiles) after 28 days ≥ 1 N/mm² EN 1348.
Tensile adhesion after 6 hrs ≥ 0.5 N/mm² EN 1348

Durability test:
- Adhesion after heat ageing ≥ 1 N/mm² EN 1348
- Adhesion after water immersion ≥ 1 N/mm² EN 1348
- Adhesion after freeze-thaw cycles ≥ 1 N/mm² EN 1348
Vertical slip ≤ 0.5 mm EN 1308

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.

GENERAL NOTICES

- Product for professional use
- Abide by any standards and national regulations
- Do not use the adhesive to correct substrate irregularities greater than 15 mm
- Protect from direct rainfall for at least 6 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 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 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 Technoriunite in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.