

NEW CONSTRUCTIONS AND RESTRUCTURING

Terraces and balconies



We know the problems

- Sudden temperature changes and material expansion
- Waterproofing that deteriorates over time
- Water infiltration
- Absence of expansion joints
- Laying without gaps
- Unsuitable bonding agents and grouts
- Inconsistent screeds

And we can solve them

- Low-modulus bonding agents and grouts able to accommodate different sized materials
- Waterproofing products that ensure long-term durability and do not suffer ageing
- Reading the data sheets regarding the material to be laid in order to verify its limitations of use
- Laying with recommended grout lines of 4 mm
- Certified high performance adhesives
- Creation of expansion joints for every 12 m² of floor area
- The substrate must guarantee excellent mechanical performance



Project

- SCREED

Screed in cement-based mortar, minimum thickness 4 cm, produced with quick hydration and normal setting binder of type **KRONOS** by Technokolla and silica aggregates with continuous grain size from 0 to 8 mm, reinforced with synthetic fibres and/or wire netting.

The screed should have a resistance of 25 N/mm² after 28 days and allow for ceramic, marble and stone materials to be laid 24-48 hours after casting.

Screed reinforced with synthetic fibres and/or zinc-coated wire netting, 5x5 cm Ø 2 mm mesh placed at 1/3 of the screed thickness.

Dosage for 1 m³ of aggregates from 0 to 8 mm: 250 kg of **KRONOS**; 150 l of water; 1 kg of synthetic fibres.

- WATERPROOFING

Waterproofing coat created with cement-based levelling mortar compliant with category **CM O1 P** in accordance with **EN 14891** type **RASOLASTIK EVO** by Technokolla applied in 2 coats with a roller or brush for a total thickness of 3 mm, and complete with **STRIP** of type **RL 120** by Technokolla for the sealing of corners, edges and expansion joints.

Consumption: 1.2 kg/m² per mm of thickness.

- FLOORING

Flooring and skirting board in porcelain tile, laid with cement-based adhesive for thick outdoor application of type **TECHNOSTAR** by Technokolla.

TECHNOSTAR conforms with European standard **EN 12004 C2TE S1**.

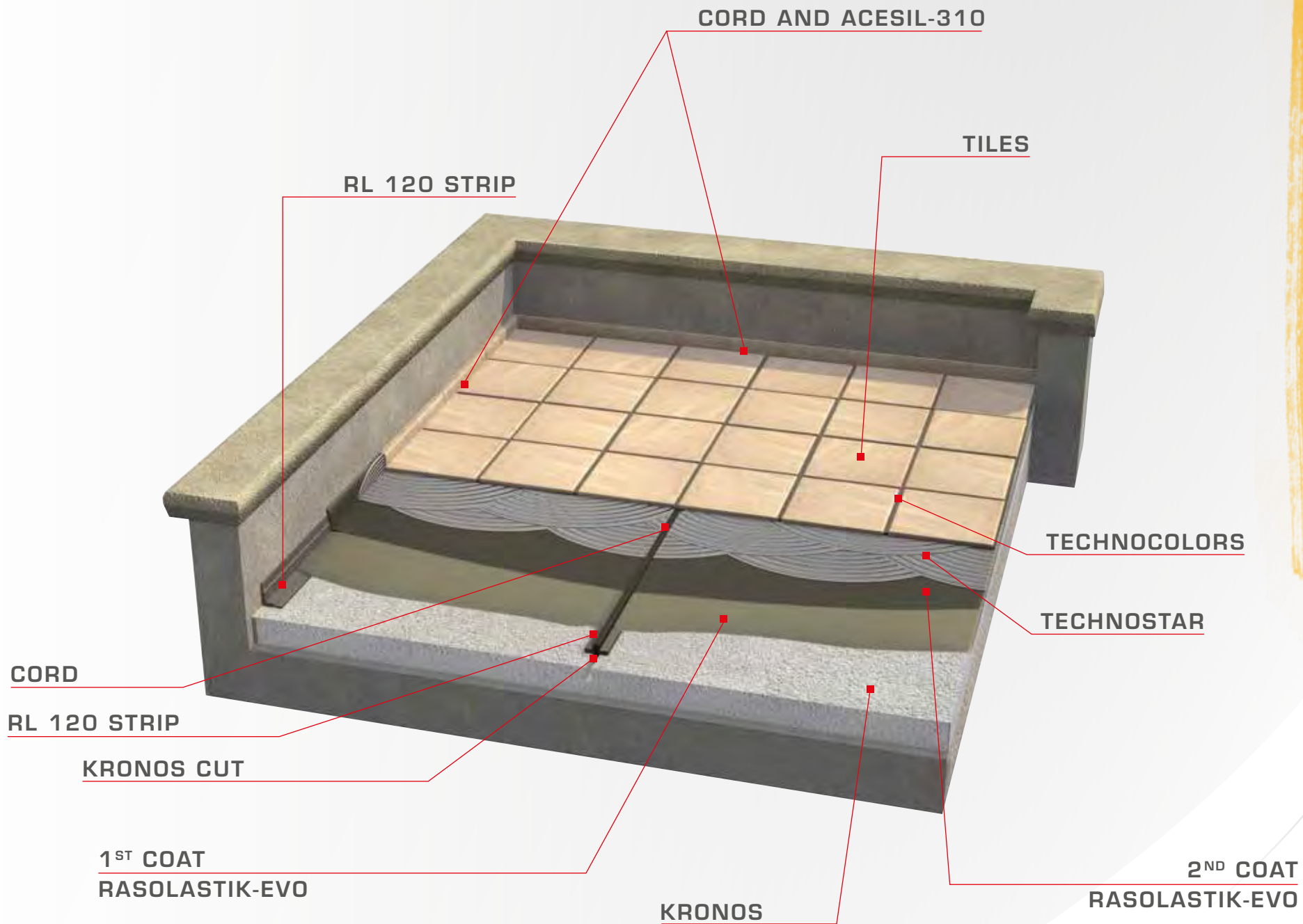
Grout line of 4-5 mm sealed with cement-based grout for outdoor use of type **TECHNOCOLORS** by Technokolla, compliant with European standard **EN 13888 CG2 WA**.

Floor-skirting board joint and sectioning joints every 9 m² sealed with silicone sealant of type **ACESIL-310** by Technokolla, following the positioning of a synthetic cord.

The correct procedure involves sealing with silicone before grouting with cement-based products.

Adhesive consumption: **TECHNOSTAR** 5-7 kg/m² depending on single/double coating.

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screed

Kronos

The binder to be used in place of cement when making the screed. It ensures a compressive strength > 25 MPa. It features controlled shrinkage and can be waterproofed with **RASOLASTIK-EVO** just 3 days after casting. For outdoor laying, reinforcement netting and synthetic fibres are always recommended so as to boost, respectively, the flexural and compressive strengths of the screed.



waterproofing

Rasolastik-Evo

Fibre-reinforced, cement-based single-component mortar for waterproofing and protecting concrete.

RASOLASTIK-EVO conforms with European standard **EN 14891 CM-O1P**.

RL 120 strip



Technostar

Strong deformable single-component adhesive suitable for the outdoor laying of porcelain tile and compliant with **EN 12004 C2TE S1**.

It is a **LOW-VOC** product tested by **EUROFINS**.

spotlight product

groutings



Technocolors

The revolutionary cement-based sealant for building is produced in a vast range of colours. This new concept of grout stands out for its extraordinary velvety finish, exceptional gloss and high water repellency. Any cement-based grout by Technokolla can be used for this application: in this case we recommend that it is mixed with the **TC-STUK** latex.

Compliant with European standard **EN 13888 CG2 WA**.

It is a **LOW-VOC** product tested by **EUROFINS**.

recommended product

latex



Tc-Stuk

The latex recommended with **TECHNOCOLORS** and **TECHNOSTUK** to make grouts more resistant to abrasion, more flexible and more resistant to stains.

sealant



Acesil-310

The silicone sealant for filling expansion joints, associated with the synthetic **CORD** joint base.

The complete COLOUR RANGE of Technokolla grouts can be found in the cover appendix.

Technical drawings

