

Technokolla Complete Waterproofing System

External Tiled Areas

Façades, Terraces, Balconies &
Waterproofed Substrates



 **TECHNOKOLLA®**

We know the problems

- Sudden temperature changes and material movement
- Waterproofing that breaks down over time
- Water getting in where it shouldn't
- No expansion joints included
- Substrate that's not consistent or even
- Using the wrong adhesives or grouts
- Screeds that aren't fit for purpose, level or with falls

And we can solve them

- Use flexible cementitious adhesives and grouts that can handle movement in the materials, and will not break down or re-emulsify over time
- Choose waterproofing products that last and won't break down over time
- Check the product data sheets to understand where and how the material can be used
- Use 4 mm grout joints as recommended
- Always use certified, high-performance technokolla adhesives
- Include expansion joints every 9 m² to allow for movement
- Make sure the substrate is strong and stable
- Use self-levelling compounds or screeds that are rated for exterior use
- Use the Full Technokolla System of products



Project

-SCREED

Cement-based mortar screed, minimum thickness 40 mm, made with a quick-hydration, normal-setting binder such as KRONOS or MONOKRONOS by Technokolla, and aggregates with a continuous grain size from 0 to 8 mm. Reinforced with synthetic fibres and/or wire mesh.

The screed must achieve a compressive strength of 25 N/mm² after 28 days and be suitable for laying ceramic, marble, and stone materials within 24 to 48 hours of placement. Reinforce the screed with synthetic fibres and/or galvanised wire mesh, 5 x 5 cm grid using 2 mm diameter wire, positioned at one-third of the screed thickness.

Dosage for 1 m³ of 0–8 mm aggregates: 250 kg of KRONOS, 150 litres of water, and 1 kg of synthetic fibres.

-SELF-LEVELLING

High-fluidity, cement-based self-levelling compound suitable for both internal and external use, applied in thicknesses from 3 to 40 mm. Classified as **C25 F6** in accordance with **EN 13813**. Use **PLAN-40 EXT** by Technokolla.

-WATERPROOFING

Waterproofing layer formed using a cement-based levelling mortar, classified as **CM 01 P** in accordance with **EN 14891**. Apply **RASOLASTIK EVO** by Technokolla in two coats using a roller or brush, achieving a total thickness of 3 mm. Corners, edges, and expansion joints must be sealed with **RL 80 S BANDAGE**.

Consumption: 1.2 kg/m² per mm of thickness.

-FLOORING

Porcelain tile flooring and skirting board laid using a cement-based adhesive suitable for external use, of type **TECHNOSTAR** by Technokolla, compliant with European standard **EN 12004 C2TE S1**.

Recommended 4 mm grout joint sealed with a cement-based grout suitable for outdoor use, **TECHNOCOLORS** by Technokolla, compliant with European standard **EN 13888 CG2 WA**.

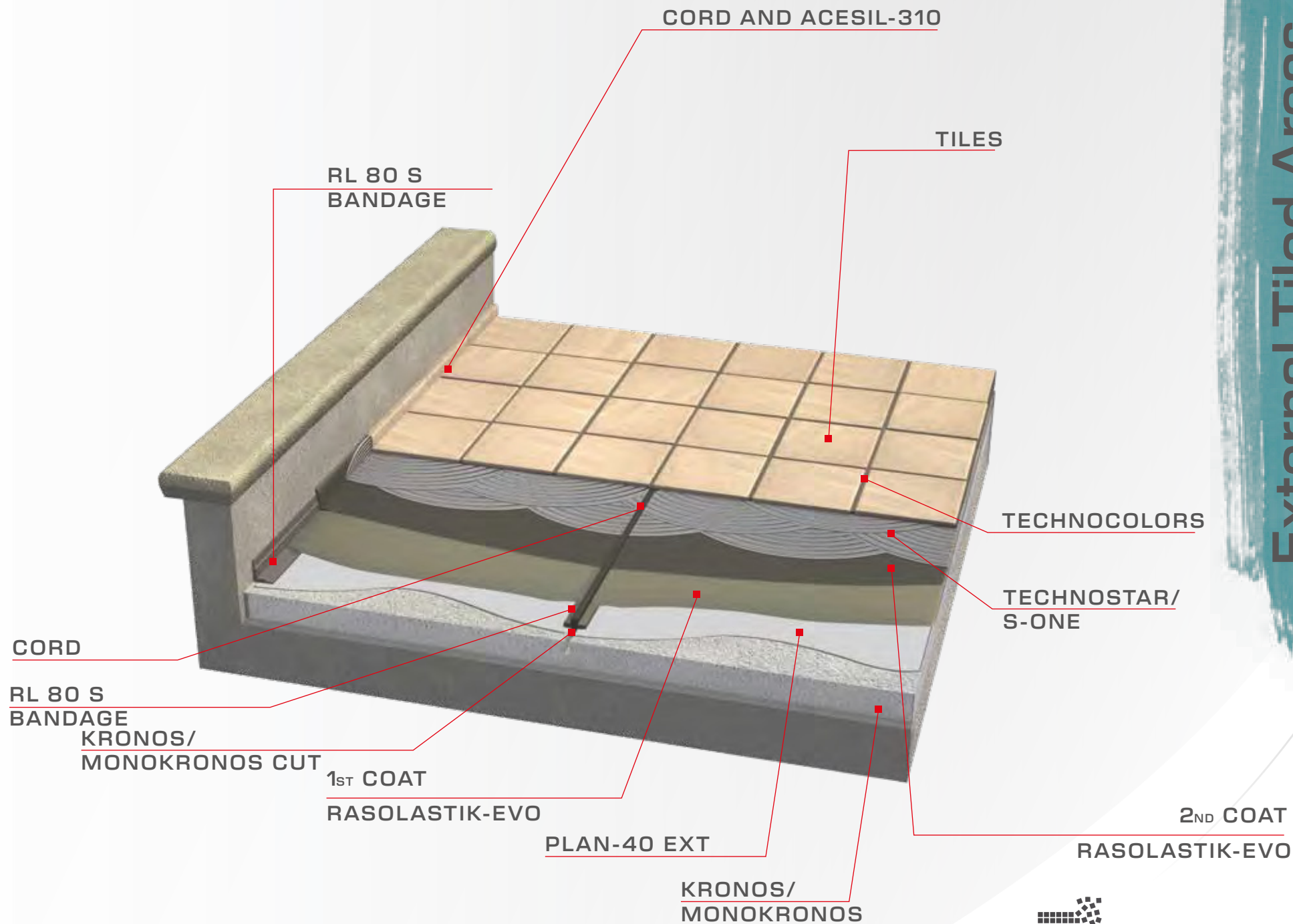
Floor-to-skirting board junctions and movement joints every 9 m² must be sealed with silicone sealant of type **ACESIL-310** by Technokolla, after placing a synthetic backing rod.

The correct procedure is to apply silicone before grouting with cement-based products.

Adhesive consumption: 5–7 kg/m², substrate dependent



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spotlight product

self-levelling



Plan-40 Ext

Cement-based self-levelling product suitable for humid environments and outdoor settings for thicknesses from 3 to 40 mm.

PLAN-40 EXT is **CE** marked in accordance with standard **EN 13813**, class **C25 F6**.

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

spotlight product

bonding agent



Technostar

Single-component bonding agent suitable for the outdoor laying of porcelain tile. **TECHNOSTAR** conforms with **EN 12004 C2TE S1**.

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

spotlight product

grouting



Technocolors

The revolutionary cement-based sealant for building. This new concept of grout stands out for its extraordinary velvety finish, exceptional gloss and high water repellency.

TECHNOCOLORS is compliant with European standard **EN 13888 CG2 WA**.

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

The complete COLOUR RANGE of Technokolla grouts can be found on the Technokolla website.



Technical drawings

sealant



Acesil-310

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

