

Laying of large sizes



We know the problems

- Non-flat substrates
- Laying with backbuttering, dramatically reducing coverage
- Very thick bonding agent
- Difficulty in achieving flatness between the slabs
- High consumption of adhesive
- Laying without gaps

And we can solve them

- The substrate must ensure an excellent finish and have no shrinkage that may result in dips
- Use a full-spreading type bonding agent to avoid backbuttering and reduce consumption and costs
- The adhesive mass must not have any dips as these result in slabs that are not flat



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.

- SELF-LEVELLING

A high fluidity cement-based self-levelling product for thicknesses between 1 and 10 mm in class **C30 F7** in accordance with standard **EN 13813**, type **PLAN-10 N** by Technokolla, suitable for application in public spaces.

- FLOORING

Flooring and skirting board in large-sized porcelain slabs, laid with high deformability, high performance, self-wetting cement-based adhesive of type **AIRES**, compliant with European standard **EN 12004 C2 TE, S2** for large sizes by Technokolla; or **TECHNO-XL** with **TC-LASTIC**, compliant with European standard **EN 12004, C2 S2**.

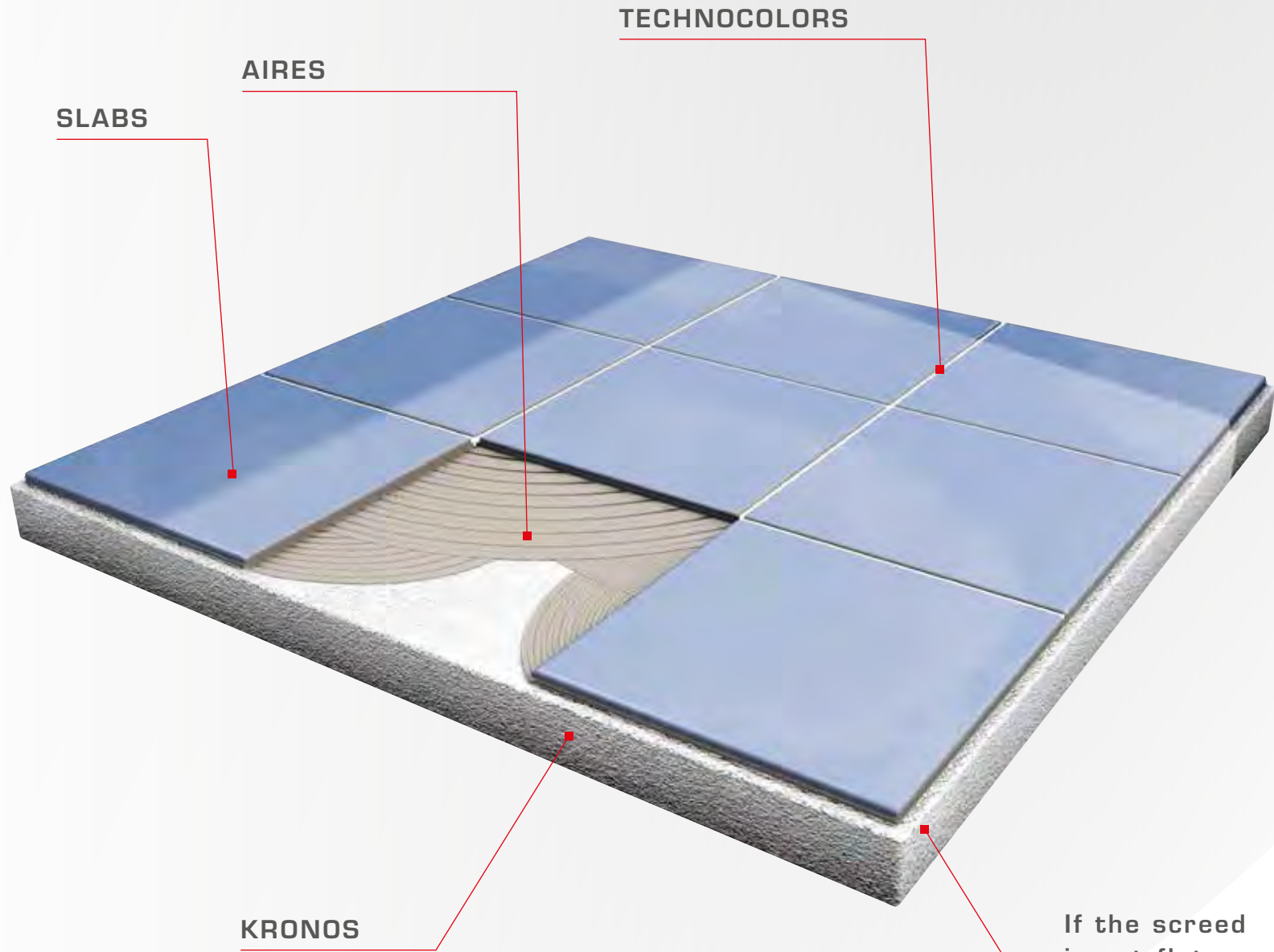
A grout line of at least 2-3 mm sealed with low modulus cement-based grout of type **TECHNOCOLORS** by Technokolla, compliant with European standard **EN 13888 CG2 WA** or with a two-component epoxy grout of type **SKYCOLORS EVOLUTION**, class **RG**.

Expansion joints sealed with **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: 2.5-7 kg/m².

Grout consumption: 0.2 kg/m² (60x60 cm size, 4 mm grout line).



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If the screed is not flat, level it with **PLAN-10 N**

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 laying can be started after 24 h.

It can be reinforced with synthetic fibres and/or electrowelded netting to further increase its compressive and flexural strength.

spotlight product

self-levelling



Plan-10 N

Cement-based self-levelling product for indoor use, suitable also for areas with significant foot traffic, for thicknesses between 1 and 10 mm.

PLAN-10 N is **CE** marked in accordance with standard **EN 13813**, class **C30 F7**.

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

spotlight product (alternatives)

bonding agents and adhesives



Aires

A lightened cement-based adhesive, for the laying of medium and large-sized porcelain tile.

AIRES conforms with cat. **C2TE S2** according to **EN 12004**.



Techno-XL with Tc-Lastic

The highly flexible two-component bonding agent, applicable in this system for the laying of sizes with a side of up to 120 cm.

TECHNO-XL with **TC-LASTIC** is compliant with European standard **EN 12004 C2, S2**.

spotlight product (alternatives)

groutings and sealants



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. Its extraordinary characteristics make it suitable for any type of ceramic, ideal also for heating screed and marble.

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

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



Skycolors Evolution

Two-component epoxy grout with delicate and harmonious finishes, for grout lines from 1 to 15 mm. Available in 15 colours. One of five glitters can be added to the product, for a total of 85 different colour shades. For settings of high aesthetic value.

Compliant with class **RG** in accordance with European standard **EN 13888**.

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

sealant



Acesil-310

The elastomeric silicone sealant for the filling of expansion joints.

The associated product is the cord to be positioned on the bottom of the joint before **ACESIL-310**.

Substrate	Curing	Resistance to compression	Adhesion on bricks
Concrete	3 months	> 8 N/mm ²	
Cement-based plaster	3 weeks	> 8 N/mm ²	> 0.7 N/mm ²

