

NEW CONSTRUCTIONS AND RESTRUCTURING

# Indoor settings



## We know the problems

- Strong stresses on flooring
- Bonding agents not suitable for non-absorbent materials
- Grouts with low mechanical resistance
- Screeds with insufficient compressive strength
- Colour matching with the tiles
- Grouts that are too stiff
- Cracking
- Substrates that are too damp and not flat

## And we can solve them

- Bonding agent that is easy to apply and light on the spatula
- High wettability of the bonding agent
- Vast range of colours
- Flexible low-modulus grouts
- Rapid drying substrates, with no shrinkage following the laying of the tile
- Bonding agents and grouts with a low imbibition value



## 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/mm<sup>2</sup> 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 m<sup>3</sup> of aggregates from 0 to 8 mm:

250 kg of **KRONOS**;

150 l of water.

### - SELF-LEVELLING

Residential spaces: a high fluidity cement-based self-levelling product for thicknesses between 2 and 10 mm in class **C25 F6** in accordance with standard **EN 13813**, type **REPLAN-N** by Technokolla.

Residential spaces: 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.

### - FLOORING

Flooring and skirting board in porcelain tile, coloured body with size up to 2100 cm<sup>2</sup>, laid on screed in cement-based mortar with a creamy highly workable cement-based adhesive suitable for the laying of porcelain tile of type **TECHNO-XT** by Technokolla, compliant with European standard **EN 12004 C2TE**.

For larger sized tiles or in case of application in public spaces, use a product in class **C2TE S1**, type **TECHNOSTAR** by Technokolla.

Floor and wall tiling with 2-5 mm grout line sealed with low-modulus cement-based **TECHNOCOLORS** type grout or, for wider grout lines, **TECHNOSTUK G.G.** by Technokolla, compliant with European standard **EN 13888 CG2 WA**.

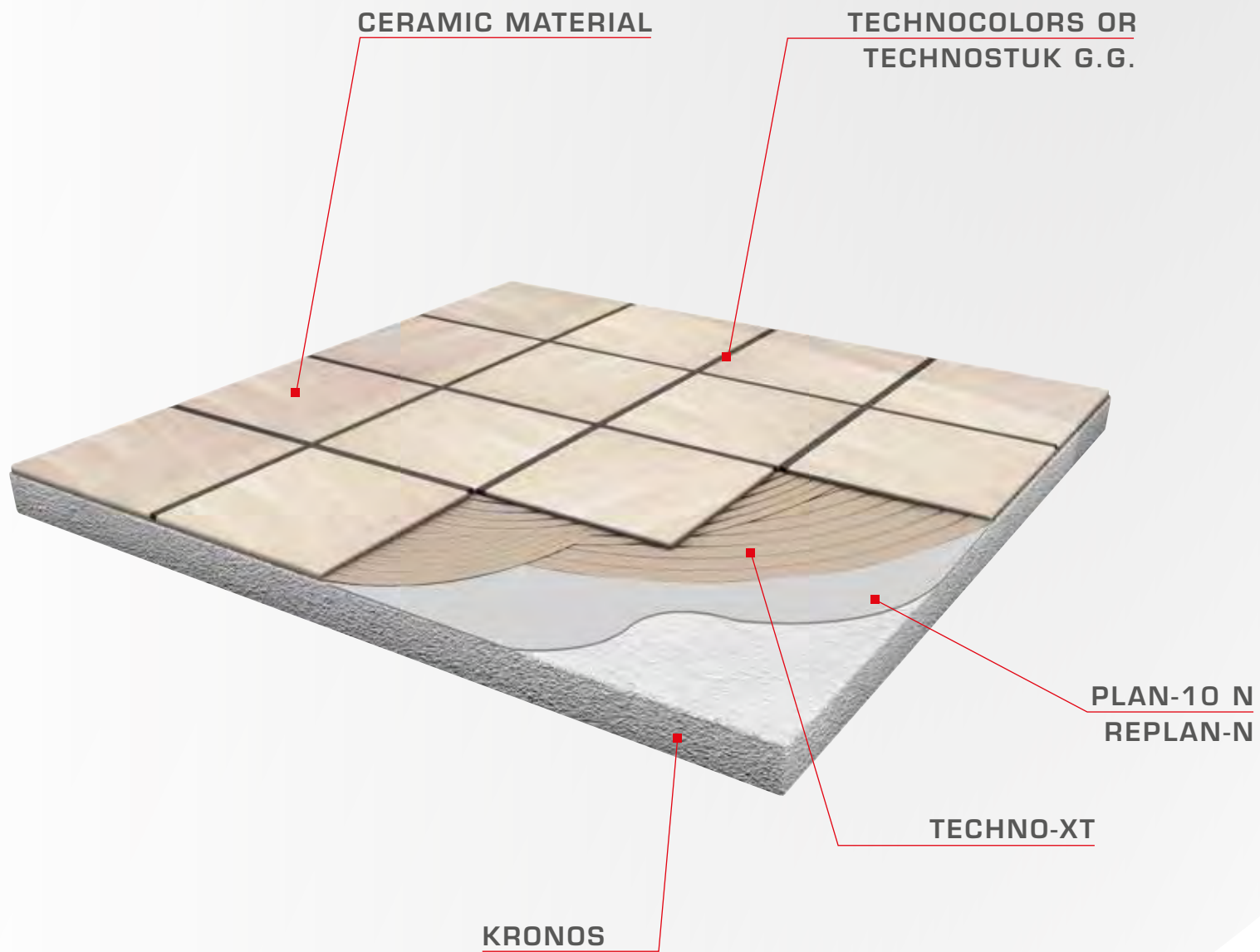
The substrate must have a residual humidity of no more than 8%, to prevent any stains from forming in the grouting.

Joints sealed with silicone sealant **ACESIL-310** and synthetic cord by Technokolla.

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

Adhesive consumption: 5-7 kg/m<sup>2</sup> depending on single/double coating.

Grout consumption: 0.35 kg/m<sup>2</sup> (30x30 cm size, 4 mm grout line).



## spotlight product *(alternatives)*

self-levelling



### Replan-N

Cement-based self-levelling product for indoor residential settings, application thickness between 2 and 10 mm.

**REPLAN-N** is **CE** marked in accordance with standard **EN 13813**, class **C25 F6**.

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



### 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



### Techno-XT

Creamy, light cement-based adhesive for the laying of porcelain tile.

**TECHNO-XT** conforms with cat. **C2TE** in accordance with **EN 12004**.



### Technostar

Very high-performance single-component bonding agent suitable for the outdoor laying of porcelain tile, also in public settings. **TECHNOSTAR** conforms with **EN 12004 C2TE, S1**.

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

## spotlight product *(alternatives)*

groutings and sealants



### 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.

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

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



### Technostuk G.G.

Thanks to its exceptional workability and compressive strength, it is the ideal grout for large-scale industrial flooring. It is ideal also on terracotta and materials with a textured surface.

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

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

Technical drawings

