

Specification

- SCREED

Cement-based mortar screed at least 4 cm thick made of quickly evaporating, normally setting binder such as Technokolla's **KRONOS** and siliceous aggregates with 0 to 8 mm continuous grain size, reinforced with synthetic fibers and/or metal netting. Screed resistance must be 28-30 N/mm² after 28 days and allow ceramic tiles, marble and natural stones to be laid 24/-48 hours after casting.

Screed reinforcing with fibers such as Technokolla's **FS-18** and/or Ø 2 mm 5x5 cm mesh galvanized metal netting positioned at 1/3rd of the screed layer.

Dosage for 1 m³ of 0 to 8 mm aggregate:

250 kg **KRONOS**

150 l. water

1 kg **FS-18**

- FLOORING

Floor and skirting clad in body-coloured vitrified stoneware in up to 3600 cm² formats on a **KRONOS** screed, using high-efficiency, highly flexible cement-based adhesive suitable for fixing vitrified stoneware, such as Technokolla's **AIR-ONE**, which conforms to European standards **EN 12004 C2TE**, **EN 12002 S1**, or **TECHNO-ONE**, which conforms to European standard **EN 12004 C2TE**. 4-5 mm joints grouted with low modulus cement-based grouting such as Technokolla's **TECHNOCOLORS** or **TECHNOSTUK 2-12**, conforming to European standard **EN 13888 CG2**.

Expansion joints every 12 m² sealed with Technokolla's **ACESIL-310** after the substrate has been prepared with **PRIMERSIL** primer (only for tiles fixed outdoors) applied with a brush throughout the entire depth of the joint and with synthetic cord positioned successively. To proceed in the correct way, it is advisable for the silicone grouting to be applied before cementitious grouting.

Amount of adhesive required:

AIR-ONE 2.5 kg/m²

TECHNO-ONE 4 kg/m²

Amount of grouting required:

0.4 kg/m² (30x30 cm format, 4 mm joints)

Laying porcelain tiles

We understand the problems

- Highly stressed floors
- Adhesives that are unsuitable for non-absorbent materials
- Grouting with low mechanical strength
- Screeds with insufficient compressive strength

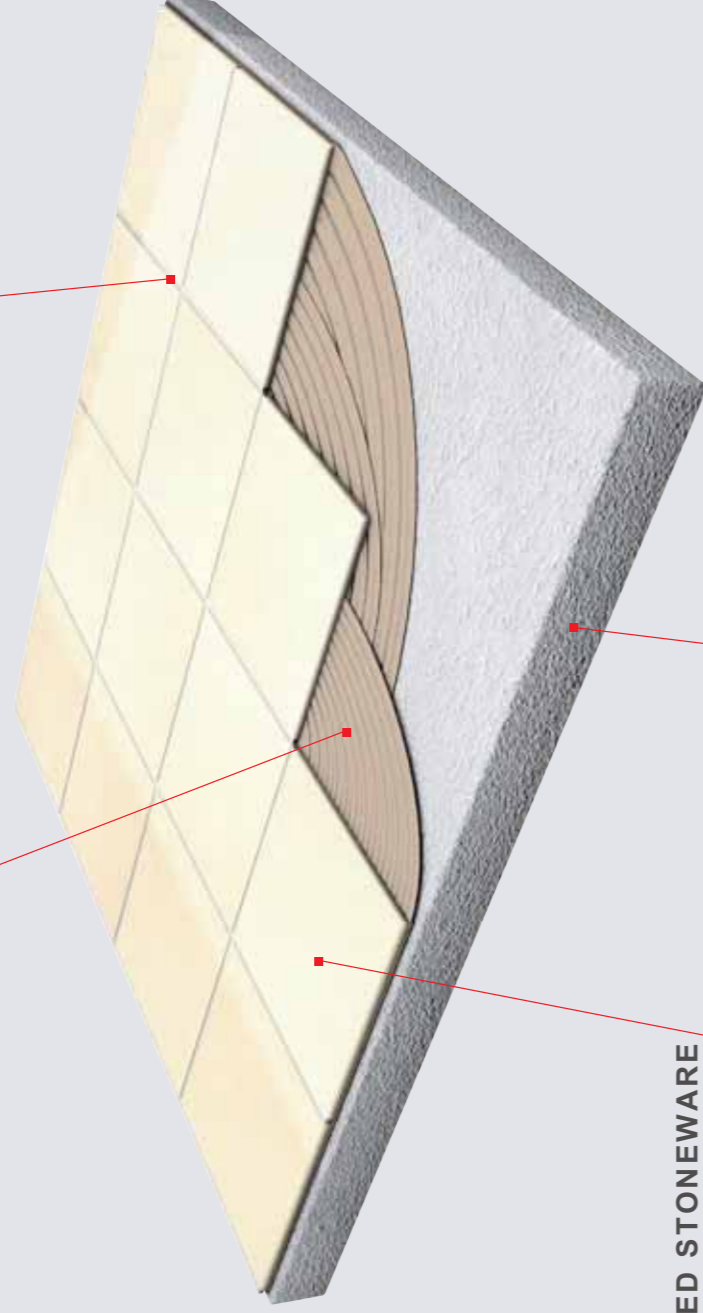
And we know how to solve them

- Vitrified stoneware is often chosen for places subjected to intensive traffic, such as: supermarkets, industries, etc.
- Physical/chemical bonding is required, something that can only be achieved with the new generation adhesives containing a high percentage of polymer
- The grouting must possess optimum strength and a good degree of flexibility
- The substrate must provide a high mechanical performance

06 Laying porcelain tiles

TECHNOCOLORS

TECHNO-ONE



VITRIFIED STONEWARE

KRONOS



Kronos

A binder to use instead of cement to form screeds. Guarantees > 30 MPa compressive strength. The product features compensated shrinkage and the tiles can be fixed after just 24 h.

It can be reinforced with **FS-18** synthetic fibers and/or electrowelded netting to increase its compressive and flexural strength still further.



Air-One

The new generation adhesive whose **efficiency is 50% more than that of conventional adhesive**. It's one-pack, ultra-light, highly flexible product that's suitable for use indoors, outdoors, on floors and walls clad in non-absorbent materials such as vitrified stoneware. Withstands intensive traffic.

AIR-ONE conforms to European standards **EN 12004 C2TE, EN 12002 S1**.



Techno-One

The one-pack adhesive suitable for fixing non-absorbent materials like vitrified stoneware and natural stones both indoors and outdoors.

TECHNO-ONE conforms to European standard **EN 12004 C2TE**.



Technocolors

This is a revolutionary cement-based sealant for building purposes. A newly formulated highly water-repellent product, features an **extraordinarily velvety finish** and **exceptional gloss**. Thanks to its extraordinary characteristics, it is ideal for all types of ceramic tiles, marble and heating screeds.

TECHNOCOLORS conforms to European standard **EN 13888 CG2**.



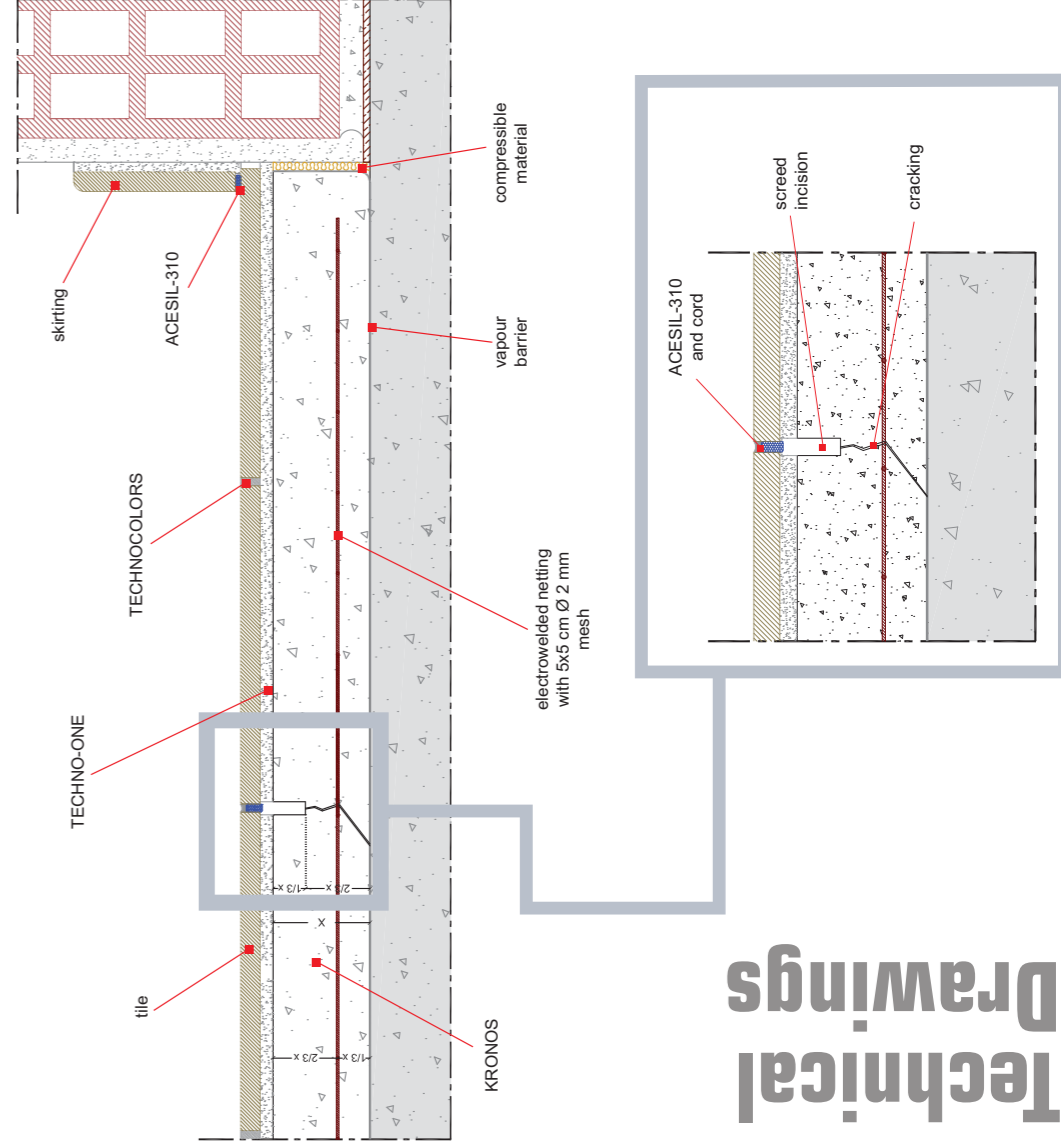
Technostuk 2-12

With its 12 colours and **ability to cover very wide joints**, this is the ideal grouting product for floors where the finished appearance is a prime concern, such as polished vitrified stoneware.

TECHNOSTUK 2-12 conforms to standard **EN 13888 CG2**.

R E C O M M E N D E D P R O D U C T

R E C O M M E N D E D P R O D U C T



Tc-Stuk

A latex recommended for use as it gives the grouting a greater resistance to abrasion as well as making it more elastic and better able to withstand staining.

RECOMMENDED PRODUCT



Acesil-310

The long-life silicone and elastomer-based sealant used for filling expansion joints. It is used with the cord, which should be positioned at the base of the joint before **ACESIL-310**.

Technokolla
system
design systems

Technical
Drawings