

# Laying of marble, granite and natural stone



## We know the problems

- Stains on the stone surface
- Marble with a tendency to warp
- Substrates with insufficient compressive strength
- High residual humidity of the screed

## And we can solve them

- Use products that are quick to hydrate and harden
- Use materials that ensure high levels of performance
- Screeds must be quick setting and offer significant 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/mm<sup>2</sup> after 28 days and allow composite marbles 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:

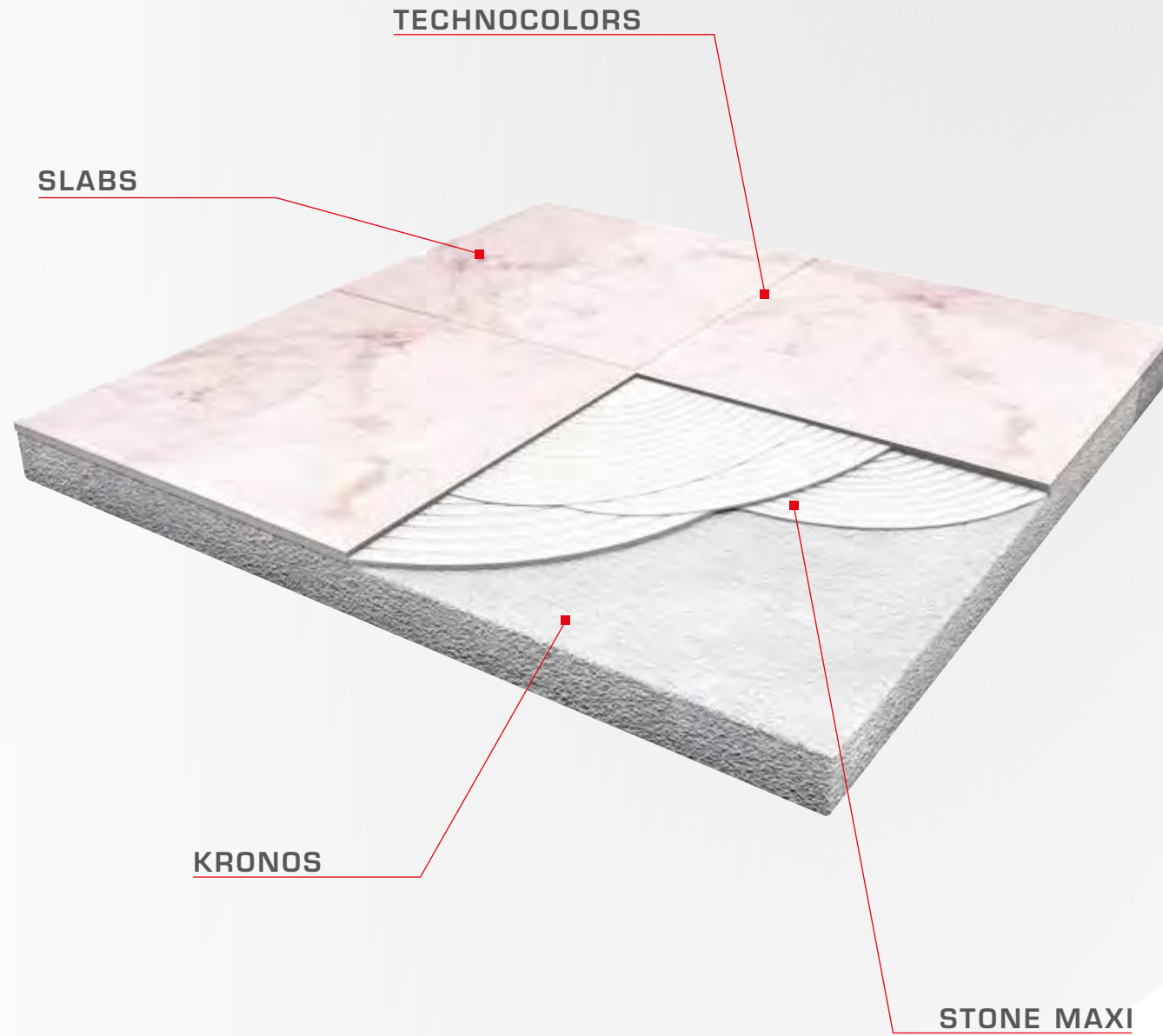
250 kg of **KRONOS**;

150 l of water.

### - FLOORING

Flooring and skirting board base in marble or natural stone slabs, laid on screed in **KRONOS** with highly flexible cement-based adhesives suitable for the laying of marble and natural stone of type **STONE MAXI** or **TECHNORAP-2** or, if the stone is very sensitive to humidity and subject to warping, an epoxy-polyurethane adhesive of type **ALL 9000** by Technokolla, compliant with European standard **EN 12004 C2F T S1** and **R2T** (ALL 9000). A grout line of 4-5 mm sealed with low-modulus cement-based grout of type **TECHNOCOLORS** by Technokolla, compliant with European standard **EN 13888 CG2 WA**.

Expansion joint every 25 m<sup>2</sup> sealed with suitable elastomeric sealant.



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screed

## Kronos

Binder to be used in place of cement when making the screed. It ensures quick hardening with very limited shrinkage for the laying of marble and natural stone 24/48 hours after casting.

It ensures a compressive strength > 25 MPa. Recommended thickness from 3 to 6 cm.



## Stone Maxi

A single-component cement-based adhesive suitable for the laying of medium and large-sized natural stone both indoors and outdoors.

**STONE MAXI** is compliant with cat. **C2FT S1** in accordance with European standard **EN 12004**.



## Technorap-2

Highly flexible rapid-hydration, two-component adhesive for the laying of stone material of small or large size even if subject to staining or with a slight tendency to warp.

**TECHNORAP-2** is compliant with European standard **EN 12004 C2FT, S1**.

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



sealant

## 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**.



## All 9000

High-performance two-component polyurethane adhesive recommended for the laying of natural stone sensitive to humidity or subject to warping.

**ALL 9000** is compliant with European standard **EN 12004 R2T**.



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

Technical drawings

