

NEW CONSTRUCTIONS AND RESTRUCTURING

Façades



We know the problems

- Unsuitable substrates
- Structural oscillation
- Sudden temperature changes and material expansion
- Water infiltration
- Material to be laid is of unsuitable size or nature for outdoor installation
- Laying without gaps
- Unsuitable adhesives and grouts
- Absence of expansion joints

And we can solve them

- Carefully evaluate the substrate
- Low-modulus bonding agents and grouts able to accommodate different sized materials
- Reading the data sheets regarding the material to be laid in order to verify its limitations of use
- With porcelain tile, the use of slabs with sides longer than 60 cm is not recommended
- The laying must have a grout line of at least 4 mm
- Certified high performance adhesives
- Joints are essential and must enclose an area of less than 12 m²

Project

- OUTDOOR WALL TILING

Covering of outdoor walls carried out with single-fired tiles in porcelain stoneware and natural stone, laid on suitable and properly cured substrate (concrete 3 months, plasters 3 weeks).

Laying of materials with sizes up to 1600 cm² with cement-based bonding agent of type **TECHNOSTAR** compliant with European standard **EN 12004 C2TE, S1**.

Laying of materials with sizes up to 2100 cm² with two-component cement-based bonding agent of type **TECHNOS+** mixed with latex **TC-LASTIC** or quick cement-based two-component bonding agent of type **TECHNORAP-2** by Technokolla compliant with European standard **EN 12004 C2, S2** (Technos+ with TC Lastic) **C2FT, S1** (Technorap-2).

The wall tiles should be laid with backbuttering to avoid any gaps under the tiles. 4-5 mm grout line sealed with low-modulus cement-based grout of type **TOPSTUK** or **TECHNOSTUK G.G.** by Technokolla for outdoor application, compliant with European standard **EN 13888 CG2 WA**.

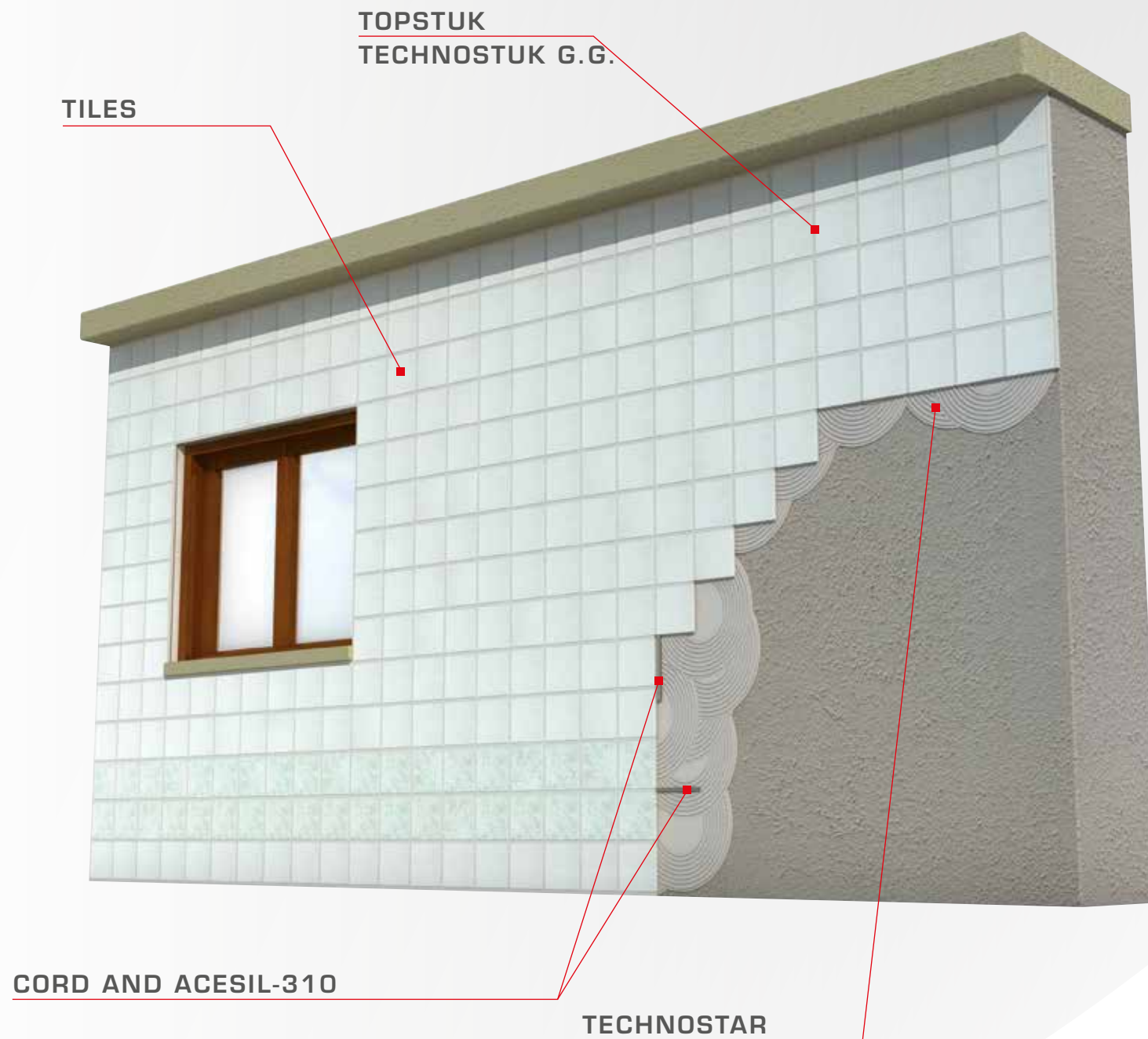
Expansion joint sealed with **ACESIL-310** by Technokolla in the case of ceramic wall tiling. A suitable elastomeric sealant is recommended for stone applications. In both cases, position the synthetic cord in the joint ahead of time.

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

Adhesive consumption: 5/7 kg/m².

Grout consumption: 0.35 kg/m² (30x30 cm size, 4 mm grout line).





spotlight product (alternatives)

bonding agents



Technorap-2

The quick and highly flexible two-component bonding agent suitable for the laying of porcelain tile and natural stones on façades. To be used for the laying of sizes no greater than 2100 cm².

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

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



Technostar

The single-component bonding agent suitable for the outdoor laying of porcelain tile and natural stone. To be used for the laying of sizes no greater than 1600 cm².

TECHNOSTAR is **EN 12004 C2TE, S1** certified.

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



Technos+ with Tc-Lastic

The highly flexible two-component bonding agent suitable for the laying of porcelain tile on façades. To be used for the laying of sizes no greater than 2100 cm².

TECHNOS+ with **TC-LASTIC** is compliant with European standard **EN 12004 C2, S2**.

spotlight product (alternatives)



Topstuk

The low-modulus grout suitable for coatings highly stressed by sudden temperature changes and atmospheric agents; it is mould-inhibiting and water-repellent.

TOPSTUK is 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.

sealant



Acesil-310

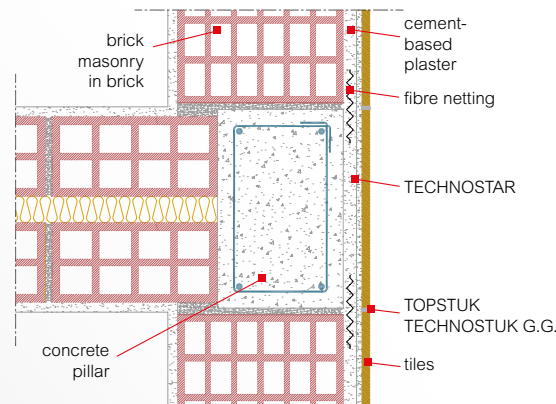
The elastomeric silicone sealant for the filling of expansion joints.

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

Technical drawings

Substrate	Curing	Resistance to compression	Adhesion on bricks
Concrete	3 months	> 8 N/mm ²	
Cement-based plaster	3 weeks	> 8 N/mm ²	> 1 N/mm ²

diagram



vertical section

