

Materials table butech

SAP	Product description	Packaging	Coverage*	44 x 44 cm	59,6 x 59,6 cm
100201544	one-flex pro blanco	25 kg bag	6 kg/m ²	6 kg/m ²	
100201689	one-flex pro gris	25 kg bag	6 kg/m ²	6 kg/m ²	
100109073	leveling spacers kit 2 mm	Complete kit	20 unit/m ²	18 unit/m ²	
Each kit includes 100 separators, 100 spacers, and assembly pliers					
100004294	colorstuk rapid blanco n	5 kg bag	120 g/m ²	105 g/m ²	
100004305	colorstuk rapid gris n	5 kg bag	120 g/m ²	105 g/m ²	
100004295	colorstuk rapid manhattan n	5 kg bag	120 g/m ²	105 g/m ²	
100004297	colorstuk rapid cemento n	5 kg bag	120 g/m ²	105 g/m ²	
100004298	colorstuk rapid antracita n	5 kg bag	120 g/m ²	105 g/m ²	
100004299	colorstuk rapid negro n	5 kg bag	120 g/m ²	105 g/m ²	
100004300	colorstuk rapid caramel n	5 kg bag	120 g/m ²	105 g/m ²	
100004302	colorstuk rapid marfil n	5 kg bag	120 g/m ²	105 g/m ²	
100004303	colorstuk rapid marrón n	5 kg bag	120 g/m ²	105 g/m ²	
100004304	colorstuk rapid tabaco n	5 kg bag	120 g/m ²	105 g/m ²	
100060549	colorstuk rapid moka n	5 kg bag	120 g/m ²	105 g/m ²	
100004308	colorstuk rapid beige n	5 kg bag	120 g/m ²	105 g/m ²	
100227223	anti-cracking mat	15 m ²			
100005814	s-107 n blanco	300 ml cartridge	70 m/cartridge	70 m/cartridge	
100005815	s-107 n transparente	300 ml cartridge	70 m/cartridge	70 m/cartridge	
100005816	s-107 n gris	300 ml cartridge	70 m/cartridge	70 m/cartridge	

* Conditions:

Laboratory obtained data. They may vary depending on the state of the base and the placement conditions.

Adhesive layer thickness 4.5 – 5.5 mm.

Tiling joint width 2 mm.

Consumer information

Technical guide



Indoor floors

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Further information:

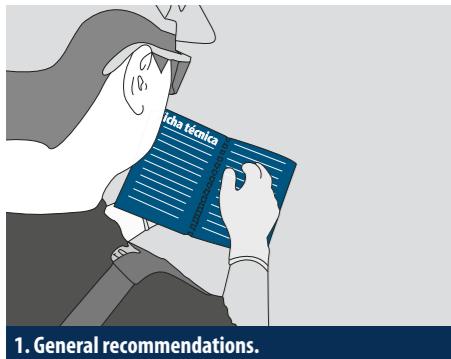
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PORCELANOSA Grupo

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1. General recommendations.

Laying large format ceramic in flooring requires qualified personnel. It is only recommended to use professionals with proven experience in this type of work.

Check the information in data sheets or packaging before using any product. Follow the manufacturer's recommendations. Using the appropriate tools for each type of work is essential.

Comply with occupational safety regulations.



2. Floor design.

Placement joints shall be of at least 2 mm. The use of **self-leveling spacers** that facilitate floor leveling is recommended.

Carry out the construction layout depending both on the floor design and the use demands. Determine type and color of placement joints, cuts, and movement joints.

Determine the type of skirting to use.



3. Preparing the substrate.

Check that the base or placement substrate is stable, non-deformable, and with no risk of movements associated to the cement mortar curing.

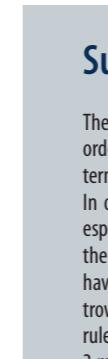
It is recommended to make a regularization layer. The placement surface must meet the suitable characteristics for placing ceramic: clean surface, dry, rough texture, non-crumbly, and above all flat. To avoid breakage or lifting of tiles, the use of desolarizing sheets, such as butech anti-cracking mat, is recommended.



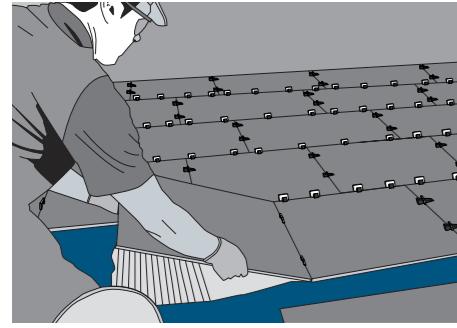
4. Bonding material.

Use improved deformable cement-based adhesives C2 S1, **one-flex pro** type. The use of cement-based adhesives with adequate performance and working times for large format tiles is recommended.

Follow manufacturer recommendations in the preparation and use of adhesives. Do not apply adhesive with a final thickness greater than that indicated on the bag. With XTONE type ceramic laminates and large format ceramic tiles, use improved highly deformable cementitious adhesives C2 S2, type super-flex S2.



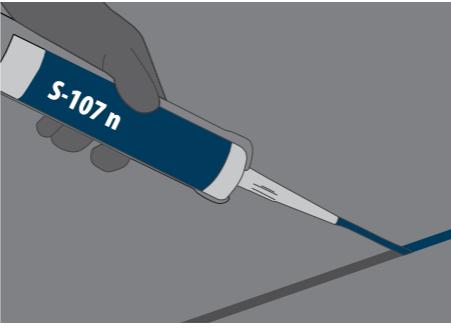
5. Placement technique.



6. Joint material.

Use deformable, CG2 cement-based joint materials, **colorstuk rapid** type. The use of aluminous type, water resistant, and reduced elastic modulus joint mortars is recommended.

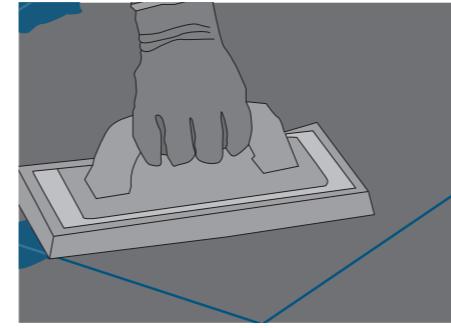
Apply the joint material with a rubber trowel, avoiding the formation of bubbles, cracks, or gaps. Do not let the joint material harden on the ceramic; clean when it starts to dry. Do not soak the joint with excess water.



7. Movement joints.

Heed the structural joints present in floor slabs. Make the movement joints following the instructions of the construction technician. In general, do not design areas exceeding 40-50 m². The use of deformable profiles is recommended, **pro-dilata** type, suitable for the intended traffic. Minimum joint width: 8 mm.

There will be perimeter joints in corners, floor level changes, and height differences in material changes. Minimum joint width: 8 mm.

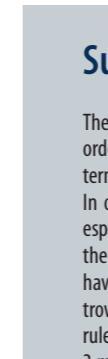


8. Cleaning and maintenance.

Protect the floor against premature loads and other construction works.

Use cleaning products that are compatible with the tile's chemical resistance. As a general rule, acid detergents are recommended for cleaning cement stains.

Use neutral detergents for maintaining the ceramic floor. Use special products for cleaning and maintaining the joints.



Substrate preparation.

The preparation of the substrate is fundamental in order to achieve a quality ceramic flooring, both in terms of finishes and conservation over time.

In order to achieve a good ceramic tile installation, especially when large format tiles are involved and the installation joint is minimal, the substrate must have an adequate planimetry for the use of a notched trowel, so that the deviations with respect to a rigid rule of 2 m in length must be less than or equal to 3 mm. To achieve these conditions, the use of level 3 type self-leveling mortars is recommended, which, once applied, provide completely flat fixing surfaces. Level 3 is a self-leveling mortar with fast hardening fibers for the leveling and regularization of subfloors of all types of interior floorings. Applicable in thicknesses from 3 to 30 mm, it has excellent compressive and flexural strength values.

Another aspect to be taken into account is the stability of the substrate, which must be sufficiently firm to prevent movements or cracks that could affect the conservation of the ceramic flooring. If these conditions cannot be assured, the use of desolarizing sheets such as butech anti-cracking mat, which absorbs the stresses of the substrate and protects against cracking or lifting of the flooring, is recommended.

This underlayment, only 1.5 mm thick, placed under the ceramic tiles, reduces the transmission of stresses and strains between the substrate and the flooring, protecting the flooring against the formation of cracks due to lateral movements and allowing the installation of flooring on substrates with medium and low movements.



Recommended materials.

one-flex pro

Type C2 TE S1 high-performance cement-based adhesive, as per EN 12004, for laying all kinds of ceramic tiles on the most used substrates in the building industry.

Characteristics:

Fluid adhesive; covers fully the underside of tiles without having to resort to the floating and buttering method. Excellent adherence, greater than 10 kg/cm². Laying thickness up to 10 mm.

Certifications/Standards:

Avis technique: CSTB 2418-222 MC 517
EN 12004 C2 TE S1



spacers available

System consisting of adjusting tool, wedge, and new type of spacer that anchors adjacent tiles at the same level. It eases ceramic tile laying and guarantees a perfectly flat surface of the final floor.

Characteristics

It avoids ledges between tiles. Prevents tiles from moving due to laying errors or due to adhesive retraction. Available for 0.5, 1, 2, 3 and 5 mm wide joints.

Recommended use:

Rectified tiles with minimum joint. Large format floor tiles. Ceramic laminates such as XTONE.



For more information about a **butech** product, consult the technical data sheet. Available at www.butech.es

colorstuk rapid

Line of type CG 2 technical mortars for sealing joints, suitable for all ceramic tile types. They are easy to apply, resistant, and have a color stable joint. Fine grained joint material, suitable for sealing joints from 1 to 15 mm.

Characteristics

Excellent adherence and deformability without the need for additives. Good resistance to abrasion. Waterproof and anti-fungal. Wide color range.

Certifications/Standards

EN 13888 CG2



s-107 n

Neutral silicone putty for sealing joints. Specially recommended for sealing perimeter and movement joints. Indoor and outdoor use.

Recommended use:

Sealing joints even between materials sensible to chemical attack.



anti-cracking mat

Uncoupling sheet for floors subjected to low and medium level movements.

It reduces the transmission of stresses produced by lateral movements from the substrate to the flooring.

Characteristics

It allows for direct laying of ceramic tiles with C2 S1 type cement-based adhesive as per EN 12004. Sheet thickness: 1.5 mm. Roll measurements: 15 m²: 150 x 100 cm

