

Consumer information

Technical guide



XLIGHT Indoor wall tiles butech building system

XLIGHT Indoor wall tiles • Placement guide



1. General recommendations.

XLIGHT placement for wall tiles 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.

Special attention to wall tiles on drywall.



2. Wall tile design.

Choose 3+ mm thick XLIGHT slabs.

Placement joints shall be of at least 1 mm. The use of spacers that facilitate wall tile leveling is recommended.

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

Determine the **profiles** to use in corners.



3. Preparing the substrate.

Check that the base or placement substrate is perfectly vertical, stable, non-deformable, and with no risk of movements associated to the structures and prefabricated partitions.

The placement surface must meet the suitable characteristics for placing ceramic: clean surface, dry, rough texture with no ledges or loose parts, and particularly flat (slope of 2 mm with 2 m ruler).

We recommend using plasterboard or coated polystyrene panels, **concept panel** type.



5. Bonding material.

Use improved deformable cement-based adhesives C2 TE S2, **one-flex** type mixed with **unilax**. The use of fine particle adhesives with high wettability 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.

We recommend the use of the **XLIGHT frame** with suction cups for moving large-format pieces.



6. Placement technique.

Place the wall tiles with the thin-bed method with adhesive and notched trowel. Verify that there is full contact between the adhesive and the piece base, especially in the corners. It is recommended to carry out double gluing with notched trowel, and apply it in both cases in the same direction.

Control the adhesive wettability, pressing the ceramic on the bonding material, and check that the latter makes correct contact with the tile back. Use the **XLIGHT rubber trowel**.



7. Joint material.

Clean placement joints of any element that interferes with the sealing of joints. Use deformable, CG2 cement-based joint materials, **colorstuk 0-4** type mixed with **unilax** latex, with the grain as fine as possible. Good bonding and resistance to humidity are essential.

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.

Recommended materials.

Preparing the substrate.

concept xps panels

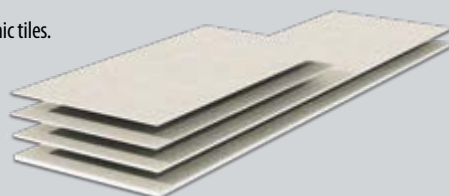
Extruded polystyrene panels ready for laying wall tiles, mosaics or natural stone with cement-based adhesives. Available in 4 to 80 mm thick slabs.

Characteristics:

Excellent surface for laying tiles.
Resistant to dampness; with sealed joints, waterproof.
Low thermal conductivity coefficient.
No support structure needed.

Recommended use:

Preparation of substrates for laying ceramic tiles.
Bathroom partition walls.



Bonding material.

one flex + unilax

High-performance cement-based adhesive, suitable for placing all references from the PORCELANOSA, VENIS, and URBATEK catalogs. Mixed with **unilax**, it reaches the maximum level of adherence and deformability.

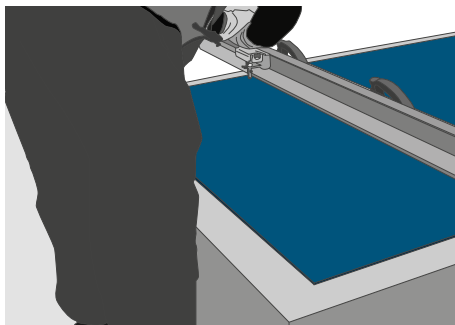
Characteristics:

Excellent adherence, greater than 10 kg/cm².
Optimal workability. Thixotropic.
Fine particle size.

Certifications/Standards:

EN 12004 C2 TE S2





4. Cutting and machining.

Prepare a flat and clean space for making cuts. Choose cutting tools and disks for cutting porcelain, adapted for large format and extra-thin pieces.

Drill XLIGHT pieces with water cooled drill bits of up to 8 mm in diameter. For larger diameters, use drill bits for dry cutting. Machine the pieces with radial cutting machines and porcelain disc for dry cutting.

Once the cuts are made, polish the edges with an abrasive block.



8. Cleaning and maintenance.

Protect the wall tiles from cuts, premature perforations, 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 ceramic tile. Use special products for cleaning and maintaining the joints.

XLIGHT Tools.

Handling, cutting, and placement of XLIGHT ceramic requires special tools. These tools are designed for pieces with a format of up to 3,000 x 1,000 mm and thickness of little more than 3 mm. The essential tools for placing XLIGHT ceramic are the following:

XLIGHT Frame / carrier.

Aluminum structure of up to 300 cm long, equipped with suction cups for moving large-format pieces.

Cutting guide plus XLIGHT pincers.

Tool for cutting XLIGHT ceramic straight, plus pincers for separating marked pieces. It includes diamond point.

Notched trowel and XLIGHT rubber trowel.

Notched trowel with 10 mm sloped serrations which facilitates uniform spreading of the adhesive, plus rubber trowel for pressing XLIGHT ceramic on adhesive.

In addition to using the appropriate tool, the following handling instructions are recommended:

- Use protective gloves.
- Handle the slabs in groups of at least two people.
- Plan any movement before carrying it out.
- Avoid rough movements.
- Avoid bending the slabs by the middle.
- Protect corners with plastic corner protectors.
- Transport slabs perpendicular to the ground.
- Do not stand slabs directly on the floor. Place the long side over soft material strips (wood or styrofoam) and stand the short side of the slab on a firm support.
- Before stacking the slabs, clean off any element that may scratch the surface.



XLIGHT Carrier.

Notched trowel and XLIGHT rubber trowel.



Cutting guide plus XLIGHT pincers.

Joint material.

colorstuk 0-4 + cl-stuk

Line of type CG 2 technical mortars for sealing joints, suitable for all ceramic tile types. Characterized by their fine finish, suitable for sealing joints of up to 4 mm.

Outdoors or in environments with permanent humidity, it is recommended to mix with **d-stuk** latex.

Characteristics

- It reduces mortar water absorption.
- It enhances the adherence and deformability of the grouting material.
- It increases resistance to abrasion.
- Excellent resistance to UV rays and the effect of heat.

Certifications/Standards:

EN 13888 CG2



Accessories.

Profiles for wall tiles

Currently on the market, there is a wide variety of profiles, of sizes even suitable for ceramic pieces of little more than 3 mm thick. Among the profiles available in butech we highlight:

- pro-mate 2** Stainless steel profile for corners, with right-angle trim (L shape). Available in 8 x 2 mm. Functional finish.
- pro-mate 3** Chrome profile for corners, with right-angle trim (L shape). Available in 8 x 3 mm. Gloss finish.
- pro-part** Chrome profile for corners, with right-angle trim. Available in 9 x 8 mm. Suitable for decorative use.

s-107 n

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

Characteristics:

- High elasticity and adherence.
- Low elasticity modulus.



Materials table butech®

KEA	SAP	Product description	Packaging	Performance*	
				100 x 100 cm	300 x 100 cm
B88000286	100103351	panel concept xps 4 mm 1.250x600 mm	1 slab	0.75 m ² / slab	0.75 m ² / slab
B88000287	100103352	panel concept xps 6 mm 1.250x600 mm	1 slab	0.75 m ² / slab	0.75 m ² / slab
B88000289	100103349	panel concept xps 10 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B88000290	100103353	panel concept xps 12 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B88000288	100103350	panel concept xps 20 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B88000292	100103354	panel concept xps 30 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B88000290	100103355	panel concept xps 50 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B88000291	100103356	panel concept xps 80 mm 2.500x600 mm	1 slab	1.50 m ² / slab	1.50 m ² / slab
B12903004	100004234	one-flex blanco n	25 kg bag	5 kg/m ²	6 kg/m ²
B51601002	100004376	unilax	20 kg can	2,2 kg/m ²	2,6 kg/m ²
B21501001	100004253	colorstuk 0-4 blanco	5 kg bag	30 g/m ²	20 g/m ²
B21522219	100060534	colorstuk 0-4 gris	5 kg bag	30 g/m ²	20 g/m ²
B21502002	100004255	colorstuk 0-4 manhattan	5 kg bag	30 g/m ²	20 g/m ²
B21502004	100004257	colorstuk 0-4 cemento	5 kg bag	30 g/m ²	20 g/m ²
B21502005	100004258	colorstuk 0-4 antracita	5 kg bag	30 g/m ²	20 g/m ²
B21502006	100004259	colorstuk 0-4 negro	5 kg bag	30 g/m ²	20 g/m ²
B21502009	100004260	colorstuk 0-4 marfil	5 kg bag	30 g/m ²	20 g/m ²
B21502003	100004256	colorstuk 0-4 bahama	5 kg bag	30 g/m ²	20 g/m ²
B21502016	100004262	colorstuk 0-4 beige	5 kg bag	30 g/m ²	20 g/m ²
B21502010	100004261	colorstuk 0-4 marrón	5 kg bag	30 g/m ²	20 g/m ²
B21522217	100060533	colorstuk 0-4 moka	5 kg bag	30 g/m ²	20 g/m ²
B21522218	100060532	colorstuk 0-4 caramelo	5 kg bag	30 g/m ²	20 g/m ²
B51201001	100004374	cl-stuk	2 kg can	11 g/m ²	8 g/m ²
B82302001	100005814	s-107 n blanco	300 ml cartridge	70 m/cartridge	70 m/cartridge
B82302002	100005815	s-107 n transparente	300 ml cartridge	70 m/cartridge	70 m/cartridge
B82302003	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.

butech®

Further information:

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