

MAXIMUM by Fiandre is a cutting edge slab resulting from state of the art production and ecological processes. Created from the collaboration between Fiandre, world leader in porcelain stoneware slabs with high technical performance and Sacmi, a point of reference in ceramic plants.

MAXIMUM offers a whole new interpretation of ceramics with the option to combine low thickness slabs ranging between 3 and 6 mm to large formats up to 300 cm x 150 cm, truly unprecedented dimensions; all this allows obtaining flooring with high technical performance with a considerable reduction of interspace, thereby making the room more aesthetically pleasing and healthy, as well as lightening the loads on the bearing structures thanks to the reduced weight per unit of measurement.

MAXIMUM is suitable for both floor and wall applications and is manufactured in compliance with the highest GranitiFiandre approved and acknowledged technical-ecological standards: a guarantee in terms of quality, innovation, ethics and respect for the environment.

MAXIMUM 3 mm is used for indoor and outdoor coverings, in public and private places; **MAXIMUM 6 mm** can be used to cover old and new walls and floors in domestic, public and high pedestrian traffic areas. To fully benefit from the high technical and aesthetic qualities of this material, it must be laid after making sure that the substrate is dry, clean, stable and as flat as possible.

HANDLING: thanks to its low thickness, **MAXIMUM** is easier to handle than traditional quarry stone slabs, which are much heavier. In its 300x150 format, **MAXIMUM 3 mm** has a weight of approximately 37 kg/slab, whereas **MAXIMUM 6mm** approximately 66 kg/slab. Thanks to its light weight, a **MAXIMUM 3 mm** slab can be lifted by one person; once it is placed in vertical position, with the help of another person and simple suction cups (see fig.) it can be lifted and transported, taking care to keep the piece in a straight position. It can be stored both vertically and horizontally, stacking the pieces one on top of the other, taking care in the former case to lay the base of the material on wooden supports (see fig.), and in the latter, that the support surface is clean and free from objects (e.g., screws, bolts, tools, etc).

CUTTING AND DRILLING

MAXIMUM can be easily processed using simple tools. For cutting, the following can be used, according to the case: glass cutters and continuous diamond discs, for particular processing, hydrojet cutters can also be used. For drilling, we recommend using Tungsten tips taking care to cool them with water, avoiding strong pressures. For diameters over 8-10 mm we recommend using hollow cutters.

Note: For L-shaped cuts (holes for electrical boxes, inner corners), we recommend rounding the inner corner by drilling a hole using a Tungsten tip.

MAXIMUM 3 AND 6 MM WALL INSTALLATION

Thanks to its light weight, easy installation (cutting, drilling, grouting, etc.) and maintenance, **MAXIMUM** is particularly indicated for covering walls in both indoor and outdoor residential and commercial environments. Prior to installation, verify the flatness of the substrate, making sure to remove any brittle parts, and that there are no cracks and moist. In general, for laying on exterior plaster, it is important to glue **MAXIMUM** onto a substrate that resists to time and stress of various nature (weight of the materials, thermal expansion, weather agents), observe the joints and string courses and not to lay on uneven surfaces (e.g., bricks).

Install using the double spreading technique by spreading the adhesive full-bed on the substrate using the appropriate trowels (e.g., with tilted teeth) and applying the adhesive on the rear side of the slab, using a trowel with 3 mm teeth; tap the surface of the slab using a rubber trowel to ensure proper adhesion.

FLOOR INSTALLATION OF MAXIMUM 6 MM

Extremely versatile and flexible thanks to their low thickness, **MAXIMUM 6 mm** slabs can be installed on floors in indoor residential and commercial areas, even with heavy pedestrian traffic, such as offices, shops, showrooms, but not subject to heavy concentrated loads.

For floor installation, **MAXIMUM** does not require special technical measures, but only the best substrate conditions, which must be: flat, free from dust and debris, free from concrete lumps, appropriately cured and dried and free from cracks.

The best aesthetic and performance results is obtained by adhesive laying, where the continuous and uniform contact between the slab and the substrate is essential. To this end, it is important to verify the flatness of the substrate by using a 3 m straightedge and ensure that the maximum clearance does not exceed +/- 1 mm. Should this threshold be exceeded, it is advisable to smooth the surface using suitable smoothing products (such as Technokolla **Gap** or **Raso**) or self-levelling products (such as Technokolla **Plan-30** or **Fibro-level**).

MAXIMUM can also be installed on existing floors (parquet and ceramic, cotto, stone, etc) provided that the surface is flat and compact, as described earlier, and that it is cleaned before starting laying, using alkaline detergents to remove any residue of grease that would limit the grip.

Use specific adhesive, such as the ones indicated in the table "Adhesives for MAXIMUM flooring and covering", in compliance with EN12004. For substrates other than those indicated, please contact the adhesive manufacturer to identify the most suitable one to be used.

Install applying the double spreading technique, using notched trowels (we recommend using trowels with 6-8 mm teeth), taking care to spread extra adhesive on the corners of the slab and press the laid surface using a rubber trowel or your hands to ensure full and uniform adhesion of the adhesive all over, thereby preventing air gaps and bubbles from forming. Do not use rubber mallets to adjust the material. For interiors, it is important to leave an interspace of at least 1-2 mm to ensure full seal of the covering and allow the grout to penetrate and set between the slabs.

Expansion joints

For surfaces up to 40/50 m², ensure a 2 cm clearance from the perimeter walls. In the event of large surface flooring, we recommend using flexible expansion joints, dividing the surface into 5x5 m portions, using elastomeric sealants (such as Technokolla **Neusil** or **Acesil-310**), taking care to place them in correspondence of existing joints in the substrate.

Note: In the event of existing joints, do not lay the material over the joint, but rather, where possible, cut the material in order for its edge to match the joint or, alternatively, close the existing joint, renovating it in correspondence of the edge of the material.

Floors can be walked on after approx. 12-48 hours from completing installation, according to the type of adhesive.