



MICRO-MARBLE – CEMENT AGGLOMERATES

Quality. Resistance.
Durability.

MOSAICOS SOLANA
Since 1931



Exclusive manufacturing process using vacuum, vibration and high pressure

Mosaicos Solana is an innovative company, able to manufacture both the covering of a curved façade and a tile of any size, colour or texture.

Our **exclusive manufacturing process, which combines vacuum, vibration and high pressure**, results in a compact, even product with the quality required today by the most demanding architectural designs and the specifications of the technical and professional staff, whose needs we seek to meet.



Limitless, continuously evolving possibilities

Mosaicos Solana develop **high-quality, strong, hard-wearing cement agglomerates of great beauty**. Elements and features which are today absolutely essential for the great architectural advances of our modern era.

Since 1931, our story is one of the **continuous search for innovative solutions in wall and floor tiles**. As we have already proved with **VACUTILE®** and **BALASTÓN®**, two unique products in their time anywhere in the world, Mosaicos Solana will continue to come up with new ideas, concepts and solutions.

In this way, and by broadening and strengthening our research and innovation department, **we want to contribute to the durability, efficiency and charm of those aspects of architecture and construction** which we enjoy walking among or which provide us with shelter, in both public and private spaces.



Storing raw materials (ground)



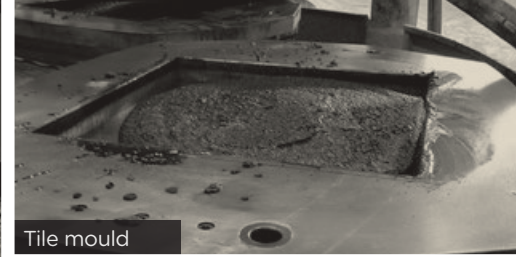
Dispenser



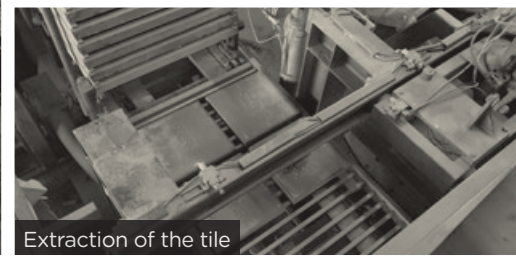
Evening the back of the tile



Saw-milling a BALASTÓN® block



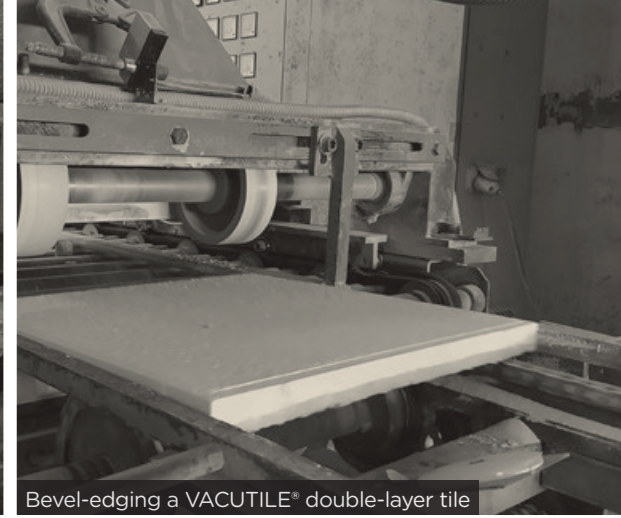
Tile mould



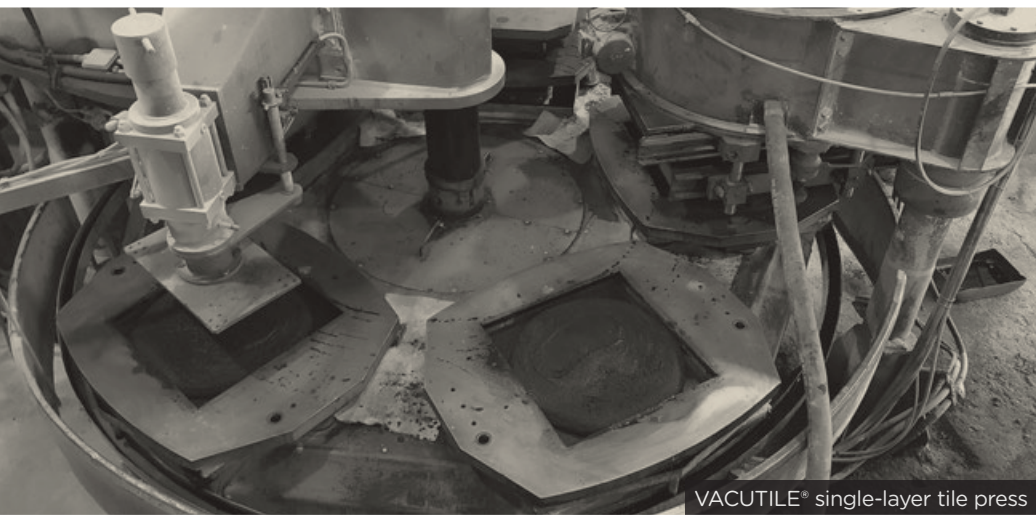
Extraction of the tile



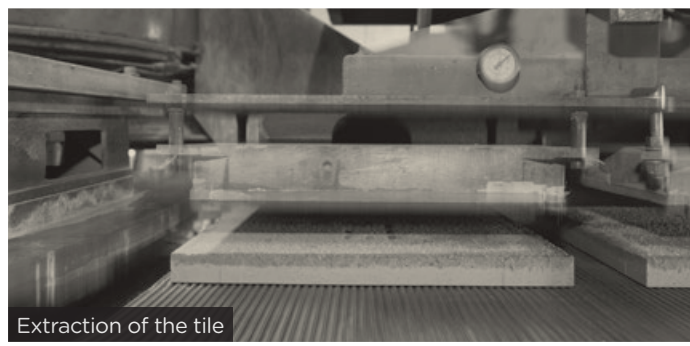
Tile buffing machine



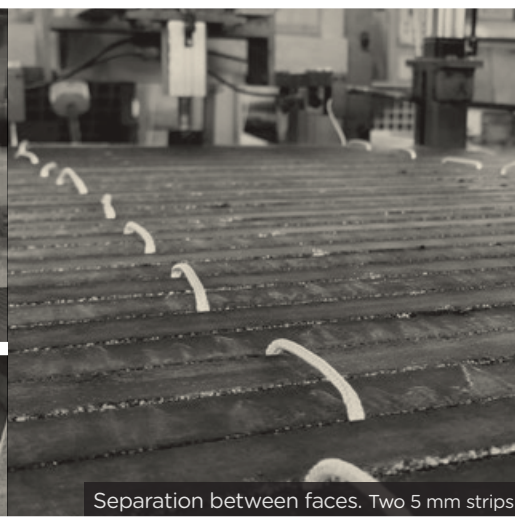
Bevel-edging a VACUTILE® double-layer tile



VACUTILE® single-layer tile press



Extraction of the tile



Separation between faces. Two 5 mm strips



BALASTÓN® block



Finished product store

General view of reception of raw materials



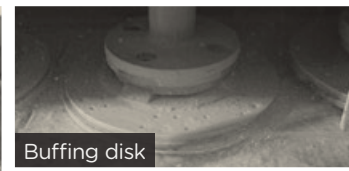
Concreting



Milling aggregates



Conveyor belt



Buffing disk



Monowire sawing a BALASTÓN® block



General view of single-layer VACUTILE®





Mosaicos Solana manufacture VACUTILE® and BALASTÓN®.

Two cement agglomerates which are the result of over 30 years
of dedication and constant research.



The careful, exclusive treatment used in the manufacturing process based
on a system combining **vibration, vacuum and high pressure**,
makes VACUTILE® (single- and double-layer cement agglomerate tiles) and
BALASTÓN® (artificial marble cement agglomerate) exceptional products for using as
wall and floor coverings both indoors and outdoors.

VACUTILE® and BALASTÓN® come in a very wide range of colours,
options of finishes and a large variety of formats.
Our products adapt to the most demanding projects.



Beauty and harmony

Detached house. **Las Rozas, Madrid, Spain**
 Architecture: arenas basabe palacios architects. Photography: Imagen Subliminal



Polished VACUTILE® single-layer tiles for indoor flooring (various colours). Polished BALASTÓN® flagstones in various colours for indoor flooring. And shot-blasted BALASTÓN® slabs in various colours for outdoor paving.



Keeping pace

VACUTILE® single-layer 60x60x2.8 tile in floor paving and vertical cladding.
Two-layer tiles, 10 57x37x4 strips.
BALASTÓN® stairs with non-slip strip. Curved skirting in floor and wall tiles. Platform edge.
Benches in 8 cm BALASTÓN® tiles.

Metro Station L-4 Lluçmajor. **Barcelona**, Spain



Quiet spaces

Hospital da Luz. Lisbon, Portugal

8,000 m² of VACUTILE® single-layer
60x60x2.8 floor tiling.

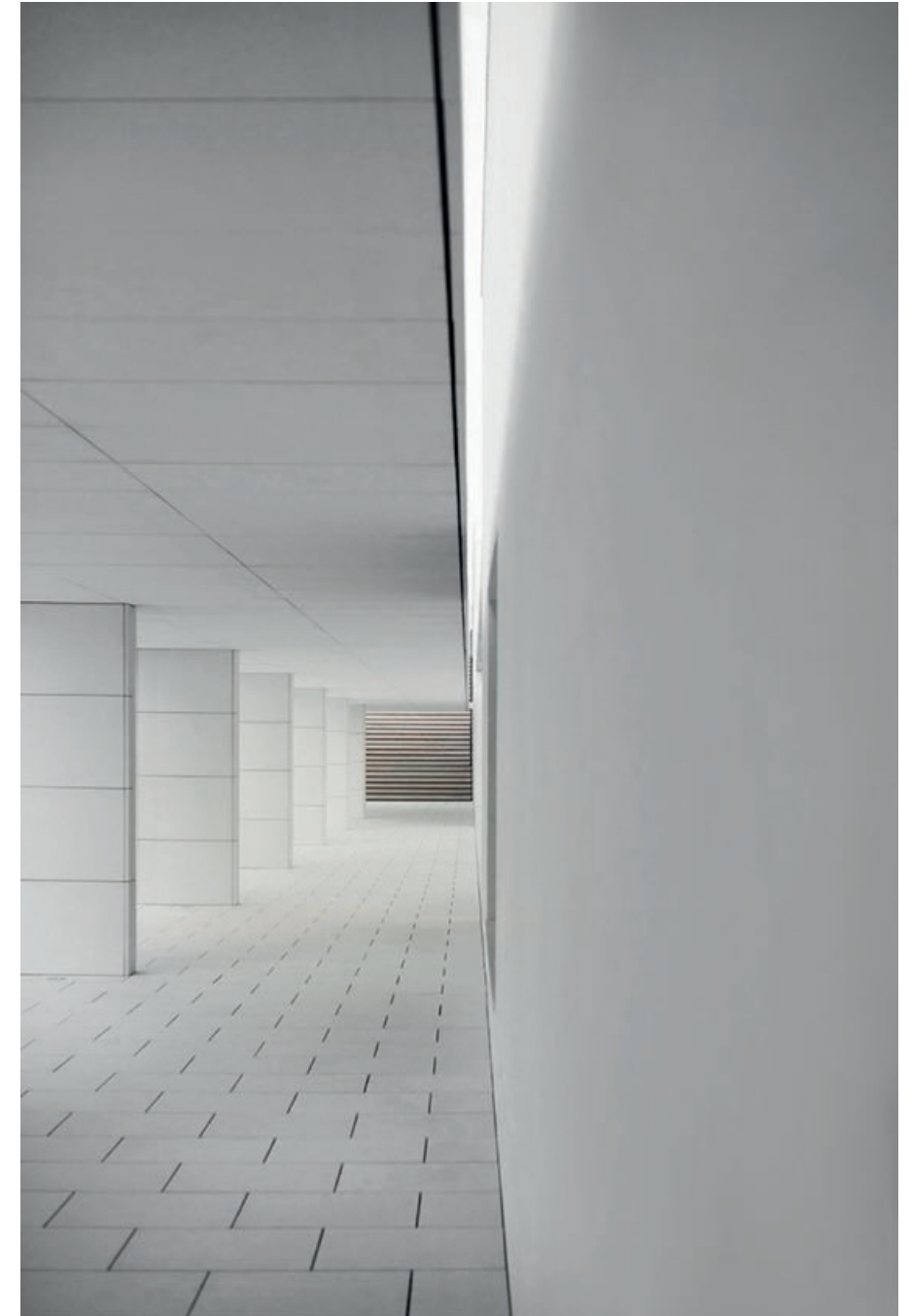


Boost the light and then brighten the rooms

VACUTILE® two-layer, shot-blasted slabs for outdoor paving. BALASTÓN® shot-blasted tiles on vertical surfaces.



Institución Benéfico Social Padre Rubinos
"Fundación Amancio Ortega". A Coruña, Spain
Architecture: Elsa Urquijo Architects



Creating magical spaces

Paving designed by Rafael Moneo for outside the kursaal. Reinforced, black, moulded flagstones.

Kursaal - Avda. de la Zurriola. **San Sebastián**, Spain
Architecture: Rafael Moneo



Constructing new concepts

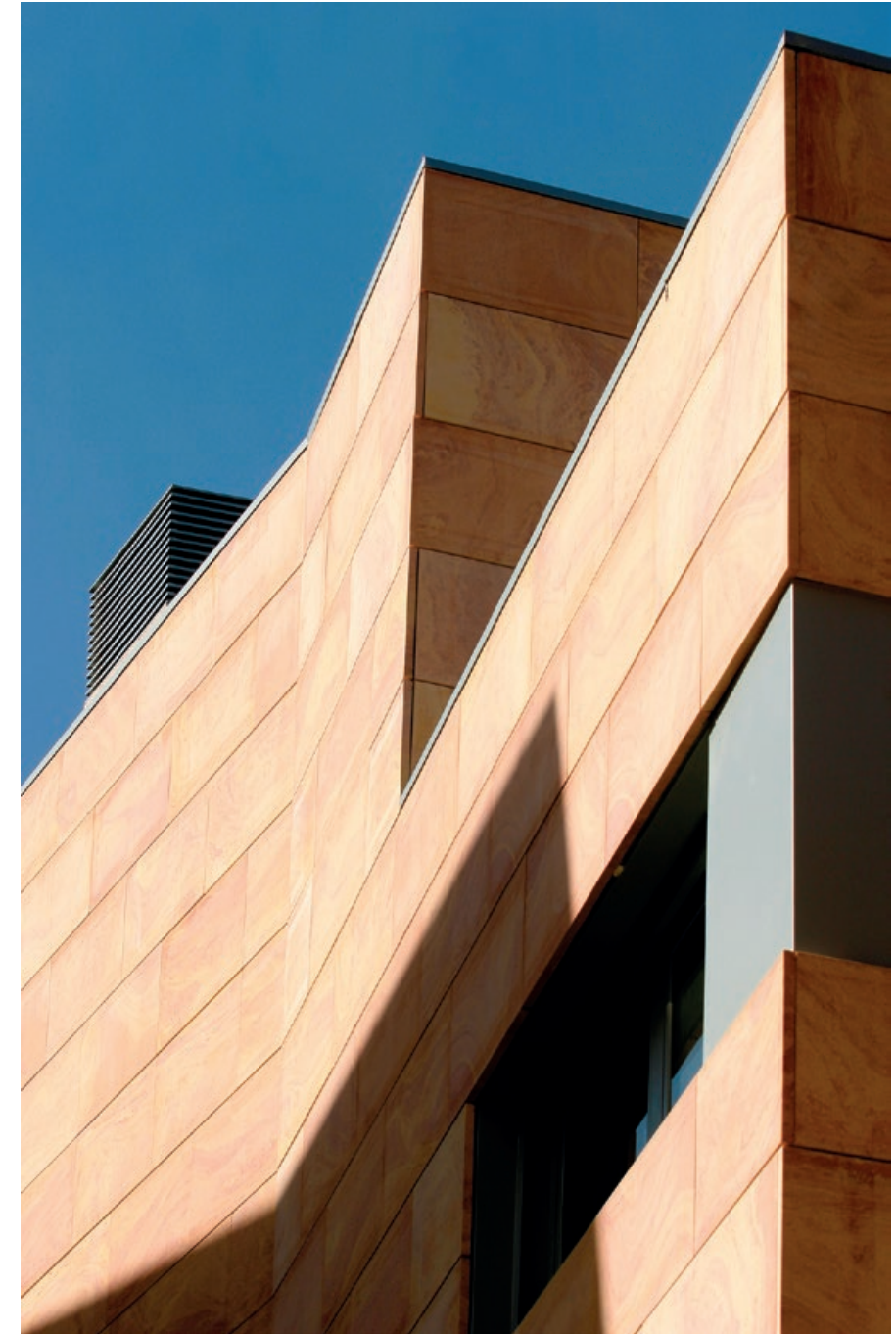


Special, large-size BALASTÓN® flagstones manufactured in shades of grey with different modulations.

House. **Mainz**, Germany
Architecture: Frau. Ricke-Güntsche

Reflecting modernity

BALASTÓN® TWO-COLOUR façade, a mixture of yellow and red with the appearance of natural stone, made according to the instructions of the Solano-Catalán studio. Fixed to the wall using a ventilated façade system.



Homes. **Guadalajara**, Spain
Architecture: Solano-Catalán



Wrapping art

Ventilated façade made of 80x50x4 shot-blasted VACUTILE® slabs. Paving of outdoor terraces with 60x40x4 shot-blasted VACUTILE® floor tiles.

Würth Museum. Agoncillo, La Rioja, Spain
Ingeniería Torrella, S.A.



A serious atmosphere

VACUTILE® polished single-layer VACUTILE tiling for indoor flooring and polished 120x120 BALASTÓN® slabs for vertical cladding, steps, worktops, skirting, step tops and window sills.



Universidad Francisco de Vitoria, Pozuelo de Alarcón, Madrid, Spain
Architecture: Estudio de Arquitectura Campo Baeza. Photography: Javier Callejas



New product

VACUTILE® and BALASTÓN® Glass

Products made using RECYCLED GLASS in different sizes and colours.



Polished, two-layer VACUTILE® tiles for indoor flooring. Polished BALASTÓN® steps for indoor use.

Centro Cívico de la Tercera Edad. Sant Joan Despí, Barcelona, Spain
Architecture: Batlle y Roig Arquitectura. Image: rogasa.com

VACUTILE® tile made with green RECYCLED GLASS



Manufacture and features

Control of manufacture

- Raw materials store with the quantity required for the whole order and mixing to avoid variation in shades of colour.

- Study of the aggregates curve and of the humidity ratio in order to formulate the dosing.

- Visual selection of each slab before palletisation.

- Quality Control according to the UNE-EN 13748 standards, which cover geometrical features, flexural strength and central load bearing, absorption, wear and tear and slip resistance.

Manufacture and production process

- Tile made on a totally automatic production line, from the feeding in of the raw materials to the exit of the completed pallet.

- Vacuum vibration phase to eliminate air bubbles.

- Pressing phase at a pressure of 150 kg/cm² for absorption of the surplus water from the paste and compaction of the piece.

- Ledge in the edges so that the sharp edges do not touch and preventing small cracks while still allowing the grout to penetrate.

- Palletised with the edge pieces and separation between faces using 5 mm strips with the following benefits:

- Even desiccation, maintaining the same moisture ration in the core as on the periphery,

prevents cracks in the edges which can form due to the shrinking caused by uneven drying.

- Creating a chamber between the faces stops the accumulation of salts (efflorescence).

- Perfect protection against scuffing.

- Strapped together by line of tiles and the whole pallet wound with plastic shrink wrap. In addition to making the pallet more compact, valid for shipping by sea, the plastic protects it thermally (brusque changes of temperature) and from rainwater.

- Labelling on the pallet. Order number, type of tile, date moulded, face finish, reference and recommendations for fitting, EC symbol.

Palletised with the pieces on their sides and separation of the faces using 5 mm strips.



Development of new products

- We have a highly qualified technical department available for our customers for the development of new models of the star VACUTILE® and BALASTÓN® product lines, new customised colours, special formats, large-sized flagstones of irregular shapes.

- All in all, the MOSAICOS SOLANA team is capable of finding the most innovative solutions to our customers' needs.

VACUTILE® and BALASTÓN® can be manufactured with cement and special additives which give it photocatalytic qualities which help to reduce levels of air pollution.



VACUTILE® SINGLE LAYER

Agglomerate tile made of cement and marble powder (all fine material).

Manufactured in a standard format of:
50x50x2.5 - 60x60x2.8 in **M series** and **V series**.

FINISHES FOR THE FACE

- Honed (for polishing on site)
- Glossy
- Shot-blasted

Recommended use: indoor and outdoor flooring, indoor and outdoor wall tiling.

VACUTILE® DOUBLE LAYER

Agglomerate tile made of pressed cement, with two layers, produced via an **exclusive manufacturing process which combines vacuum, vibration and high pressure**, resulting in a compact, uniform product, free of pores and not liable to freeze.

Manufactured in a standard format of:
60x40x4 - 85x50x4 - 40x40x7 - 75x75x5 in the following grain sizes:

Series M

Micromarble passing 98% through a 2.38 sieve

Series V

Sand-marble passing 98% through a 1.19 sieve

Series A

Fine-grain marble sand passing 98% through 0.59

FINISHES FOR THE FACE

- Polished for finishing off on site (honed)
- Glossy
- Shot-blasted
- Bush-hammered
- Satin
- Podotactile (60x40)

Recommended use: indoor and outdoor flooring, indoor and outdoor wall tiling, ventilated façade.

VACUTILE® GRANITE/QUARTZITE

Two-layer tile for **outdoor use**.

Manufactured in a standard format of:
60x40x4 - 40x40x7 - 75x75x5.

Very high resistance to wear and tear. Suitable for extreme climates (not liable to freeze). High non-slip qualities.



BALASTÓN®

Artificial marble obtained by sawing the block with a prism-shaped **300x160x140** form melted with 16,000 kg. of fine marble and cement mortar.
Series M and **V**.

The product offers an infinite range of possibilities:

- Large-sized flagstones
- Designer flooring
- Staircases
- Crescent profile curved skirting
- Ventilated façade flagstones
- Sills and cornices
- Solid slabs
- Pedestals
- Kerbs
- Kitchen and bathroom counter tops
- Urban furniture, tables, bench seats
- Cladding for columns

FINISHES OF THE FACES

- Sawn
- Honed
- Glossy
- Shot-blasted
- Bush-hammered
- Satin

BALASTÓN® TWO-COLOUR

With the same characteristics as normal BALASTÓN® but combining two colours in the same block to form very attractive veining effects similar to many natural stones, with the advantage of being able to select the colours to combine. The applications are the same as for BALASTÓN® but highlighting their use as a cladding for façades.



VACUTILE



Balastón

MOSAICOS SOLANA
Since 1931

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