

# 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/cm<sup>2</sup> 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.

## 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.

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

  
VACUTILE

  
Balastón

**MOSAICOS SOLANA S.A.**

Avda. de la Estación 29 • 26500 Calahorra • La Rioja

T. +34 941 130 150 • [mosaicos-solana.com](http://mosaicos-solana.com) • [info@mosaicos-solana.com](mailto:info@mosaicos-solana.com)