

### **MATERIAL:**

Only the hardest marble is used to make terrazzo steps. By crushing marble blocks, marble grains of different sizes are obtained. During this process, the softer parts are pulverised so that only the hardest marble grains remain. This ensures the highest quality in terms of pressure resistance, abrasion and gloss. All marble aggregates are mechanically washed (by friction) to achieve a high degree of purity.

The raw materials are combined in a special mixing plant. The mixture is then poured into a suitable 305x124x80 cm mould. Air bubbles are minimised by vacuum vibration, resulting in an aesthetically pleasing and mechanically strong product. After drying for at least 28 days, the blocks are sawn into slabs 2, 3, 4, 5 or 6 cm thick. The slabs are given the desired surface finish. They are then cut to the desired size.

The most important characteristic of terrazzo is that it can be widely used, including for terrazzo staircases. The exceptional density of terrazzo gives the stairs great mechanical strength, allowing them to withstand heavy loads without breaking. The hardness of the marble aggregates and the way they bond together means that the stairs can be (post-)polished. The contractor shall present sufficient samples of the floors corresponding to the description so that a choice with pattern, aspect and colour can be made. The floor tiles must be delivered packaged.

## SUMMARY AND TECHNICAL PROPERTIES:

Tests	Values	Unity
Bending resistance	8,0 - 11,8	N/mm <sup>2</sup>
Compressive resistance	70 - 100	N/mm <sup>2</sup>
Abrasion resistance	14,7 - 27,9	N/mm <sup>2</sup>
Water absorption	7,5	% by weight
Fire resistance	A1	
Density	2,4 - 2,6	gr/cm <sup>3</sup>

## SPECIFICATIONS

Colour aspect: in accordance with the connecting tiles of the floors and landings

Thickness of steps: 3cm, 4cm, 5cm or 6cm

Thickness of counter steps: 2cm, 3cm or 4cm

Thickness of skirting boards: 1cm, 1.5cm or 2cm

Stair skirting model: small stair shape, large stair shape, sloping skirting board or strip shape

## GENERAL CONDITIONS:

The contractor must be accepted by the board and/or architect. They must also satisfy the following conditions:

- The contractor must provide the necessary certificates at the first request of the management and/or architect.
- The contractor must have sufficient experience in the installation of steps.
- The contractor must have sufficient expertise in the execution of large works such as public utility buildings like ministries, schools, hospitals, etc...
- The flooring of the landings must be manufactured by the same manufacturer.
- The manufacturer will take all measurements on site.
- The materials must be of European origin.
- The manufacturer must be able to present certificates of the European quality standard and offer materials that comply with the NBN EN 13748-2 standard.