



ECOSTONE® TECHNICAL DATA SHEET

SPECIFICATION:

Single layer tiles for indoor and outdoor flooring and cladding, produced by means of the vacuum-packing process with vibro-compaction.

Made of a high concentration of stony materials (marbles-granites-quartz-siliceous stones, ..) bonded together with white cement Portland 5.25 Class 1, and water.

Water-cement ratio approx. 0,30%

The tiles are calibrated and rectified.

TECHNICAL CHARACTERISTICS:

- Colours resistant to light and UV rays
- Tiles calibrated and rectified on all four sides, chamfered edges
- It can be onsite polished once installed
- Reaction to fire Class A1_{fl} (fireproof)
- High resistance to wear, to compression and atmospheric agents
- Available in finishes to fulfil slip rating requirements (certified R9, R10, R13 accordingly to the current European standards).

Dimensions:

400x400 mm thickness 15 mm (upon request thickness up to 30 mm)

600x600 mm / 600x300* cm thicknes 20 mm (upon request thickness up to 30 mm)

(*nominal size)

Other sizes available upon request

PHYSICO – MECHANICAL CHARACTERISTICS*					
Accordingly to European standards					
BINDER	CEMENTO PORTLAND CLASSE 1 / Cement Portland class 1				
AGGREGATE	MARBLE LASA	MARBLE BOTTICINO	RIVER STONE	GRANITE MONTORFANO	STANDARDS
FLEXURAL STRENGHT	R _{tfm} = 11,0 MPa	R _{tfm} = 12,6 MPa	R _{tfm} = 9,7 MPa	R _{tfm} = 11,5 MPa	EN 14617 – 2:2004
RESISTANCE TO COMPRESSION	R _m = 86 MPa	R _m = 71 MPa	R _m = 101 MPa	R _m = 102 MPa	EN 14617 - 15:2005
RESISTANCE TO ABRASION	20,6 mm	19,2 mm	16,9 mm	15,7 mm	EN 13748 – 1:2004 / AC:2005
WATER ABSORBTION (% in weight)	W _{m,a} 3,57 %	W _{m,a} 3,88 %	W _{m,a} 3,50 %	W _{m,a} 3,76 %	EN 13748 – 1:2004 / AC:2005
REACTION TO FIRE	CLASS A1 _{fl}	CLASSE A1 _{fl}	CLASS A1 _{fl}	CLASS A1 _{fl}	EN 13748 – 1:2004 / AC:2005
RESISTANCE TO COLD/ FREEZE	RESISTANT	RESISTANT	RESISTANT	RESISTANT	DIN-52104

* Medium values after 28 days of seasoning.

** The physico-technical characteristics data indicated are related to one colour sample of each Serie.

Since Ecostone® is a product made of natural stony components, there data various in respect to the colour choice (and to its natural stony components).

