THE STANDARD

TO DATE, THERE ARE NO STANDARDS RELATING TO RAISED OUTDOOR FLOORING.
THE ONLY STANDARD THAT CAN ACT AS A REFERENCE IS UNI EN 12825, WHICH SPECIFIES THE FEATURES AND PERFORMANCE REQUIREMENTS OF RAISED FLOORINGS MAINLY INTENDED TO USED INSIDE BUILDINGS.
PORCELAIN 2CM PAVER MEETS THE REQUIREMENTS OF THIS STANDARD (LISTED IN THE FOLLOWING TABLE).
WITH REGARD TO THE "DYNAMIC LOAD - SHOCK-PROOF TEST AGAINST HARD BODIES", WE RECOMMEND CHOOSING THE MATERIAL ACCORDING TO THE INTENDED USE AND USING STRUCTURES THAT ARE MAXIMUM 100 MM HIGH.

Type of tests	Test result
Static load - Load test on the element	Test passed
Vertical loading test on column	Test passed, as declared by the support supplier
Permanent deformation test on the element	Test passed
Dynamic load - Shock-proof against hard bodies	Test not passed
Dynamic load - Shock-proof against soft bodies	Test passed
Length of the panel sides	Test passed
Panel orthogonality	Test passed
Straightness of the sides	Test passed
Panel thickness	Test passed
Panel warpage	Test passed
Vertical bending of the panels	Test passed

FINE PORCELAIN STONEWARE

	Technical features	Reference standard or testing method	Value required according to standards	Assessed value
Dimensions and quality of the surface	Length and width (acceptable deviation (%) of the average size of each tile from the manufactured W size)	UNI EN ISO 10545-2	± 0,6 % (± 2,0 mm)	Compliant
	Thickness		± 5 % (± 0,5 mm)	
	Straightness of the edges		± 0,5 % (± 1,5 mm)	Compliant
	Orthogonality		± 0,5 % (± 2,0 mm)	Compliant
	Planarity		± 0,5 % (± 2,0 mm)	
	Surface quality		Minimum 95% of the tested tiles must be free from visible defects	Compliant
Physical properties	Mass of water absorbed	UNI EN ISO 10545-3	Eb ≤ 0,5 %	≤ 0,1 %
	Breaking strength (S) – Flexural resistance (R)	UNI EN ISO 10545-4	S > 1300 N R > 35 N/mm2	> 10000 N > 45 N/mm2
	Resistance to frost	UNI EN ISO 10545-12	Request	Compliant
	Deep abrasion resistance	UNI EN ISO 10545-6	≤ 175 mm^3	Compliant
	Resistance to thermal shocks	UNI EN ISO 10545-9	Available test method	Compliant
	Coefficient of linear thermal dilation	UNI EN ISO 10545-8	Available test method	Compliant
Chemical properties	Resistance to chemical products	UNI EN ISO 10545-13	They must not show relevant signs of chemical attacks	Compliant
	Stain resistance	UNI EN ISO 10545-14	Minimum class 3	Compliant
Safety	Coefficient of kinetic friction	ANSI A 137.1 - DCOF	Wet > 0.42	> 0,42
	Classification** non-slip	B.C.R.A.	D.M. μ>0.4	>0.4
		DIN 51130	Depending on the workplace or work area	R11
		DIN 51097	Depending on the wet areas subject to barefoot traffic	A+B+C

With the exception of special pieces and decors