

	PRESSED CONCRETE TILE	SLATE FLOOR	GRANITE	LIMESTONE	ECO GRANIC	SINTERED CONCRETE	SINTERED NATURAL STONE	COMMENTS
Mechanical strength	30x30x45 8kN	30x60x40 7,9kN	30x60x40 5,5kN	30x60x40 4,7kN	30x40x8 8,8kN	20x20x12 >5kN	30x60x2 14,18 kN	> 5kN are suitable for pedestrian traffic > 10kN are suitable for frequent passage of heavy vehicles.
Hardness (Mohs Scale)	4	3	5,5 > 7	3	4	8	9	A value less than 6 makes the material scratchable by steel.
Abrasion wear	4	4	5	3 > 4	5	5	5	Class 4. Pedestrian traffic Class 5. Heavy pedestrian traffic
Slip resistance	65	40 > 60	40 > 60	40 > 60	> 65*	> 70 Wet & Dry	> 70 Wet & Dry	*It does not indicate if the value corresponds to the resistance in dry or wet.
Water Absorption	> 6%	0,4 > 1,8%	< 1,6%	2% - 6%	6%	< 0,05%	< 0,02%	The water absorption determines the resistance against temperature changes and stains. Any material with <1% absorption is crushed with oil and other materials.
Stain resistance	1 > 4	2 > 4	Class 1 > 5 depending on type of stain	1 > 4	Not indicated	Class 5	Phase 5	Class 5 corresponds to cleaning with water of any type of stain
Chewing gum adhesion	YES Adheres	YES Adheres	YES Adheres	YES Adheres	YES Adheres	NO Adheres	NO Adheres	
Coefficient of Expansion	±11x10 - 6°C-1±	±11x10 - 6°C-1±	±10x10 - 6°C-1±	±12x10 -6°C- 1N	Not indicated	± 6.5 x10 - 6°C-1±	± 6.5 x10 - 6°C-1±	In the case of Stone20, for a 60 cm long piece subjected to temperatures between -20°C and 40°C, its length varies by 0.234 mm
Density	2.4g/cm3	2.4 > 2.9g/cm3	1.7 > 2.4g/cm3	1.9 > 2.7g/cm3	2.1g/cm3	2g/cm3	2g/cm3	Sintered materials have a density less than the sum of their components.
Useful life (years with same anti-slip characteristics and appearance)	> 15	> 15	> 15	> 15	> 15	> 50	> 50	Both concrete tiles and natural stone gradually lose their non-slip qualities and lengthening their useful life means endangering pedestrians.
Bacterial resistance	NO	NO	NO	NO	NO	Bacteriostatic	Bacteriostatic	The few micron pores present in the sintered materials prevent the proliferation of bacteria.