



PRISM

Regularity Characteristics

Technical Features	Norms	Required Standards		Value			
		7 cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%)	Matte 9mm	Matte 6mm	Grip	Outdoor paving 20 mm
Length & Width	ISO 10545-2	± 0,9 NR ± 0,4 R	± 0,6 NR ± 0,3 R	Suitable for	Suitable for	Suitable for	Suitable for
Thickness		± 0,5	± 5	Suitable for	Suitable for	Suitable for	Suitable for
Straightness of Sides		± 0,8 NR ± 0,4 R	± 0,5 NR ± 0,3 R	Suitable for	Suitable for	Suitable for	Suitable for
Rectangularity		± 0,8 NR ± 0,4 R	± 0,5 NR ± 0,3 R	Suitable for	Suitable for	Suitable for	Suitable for
Surface Flatness		c.c. ± 0,8 NR c.c. ± 0,6 R	c.c. ± 0,5 NR c.c. ± 0,4 R	Suitable for	Suitable for	Suitable for	Suitable for
	e.c. ± 0,8 NR e.c. ± 0,6 R	e.c. ± 0,5 NR e.c. ± 0,4 R					
	w. ± 0,8 NR w. ± 0,6 R	w. ± 0,5 NR w. ± 0,4 R					

NR = Non-Rectified R = Rectified

Structural Characteristics

Technical Features	Norms	Required Standards	Value			
Water Absorption	ISO 10545-3	EV ≤ 0,5% Individual Maximum 0,6%	< 0,1%	< 0,1%	< 0,1%	< 0,1%

Bulk Mechanical Characteristics

Technical Features	Norms	Required Standards	Value			
Breaking Strength	ISO 10545-4	S ≥ 700N (for thickness < 7,5 mm) S ≥ 1300N (for thickness ≥ 7,5 mm)	S ≥ 1500 N	S ≥ 1000 N	S ≥ 1500 N	S ≥ 10000 N
Modulus of Rupture		R ≥ 35 N/mm2	R ≥ 40 N/mm2	R ≥ 40 N/mm2	R ≥ 40 N/mm2	R ≥ 45 N/mm2
Impact Resistance	ISO 10545-5	Declared value	≥ 0,55	≥ 0,55	≥ 0,55	≥ 0,55

Surface Mechanical Characteristics

Technical Features	Norms	Required Standards	Value			
Mohs Hardness	EN 101	-	6	6	8	8
Resistance to Deep Abrasion	ISO 10545-6	≤ 175 mm³	≤ 150mm³	≤ 150mm³	≤ 150mm³	≤ 150mm³

Thermal and Hygrometric Characteristics

Technical Features	Norms	Required Standards	Value			
Coefficient of Thermal Linear Expansion	ISO 10545-8	Declared value	≤ 7MK ⁻¹	≤ 7MK ⁻¹	≤ 7MK ⁻¹	≤ 7MK ⁻¹
Thermal Shock Resistance	ISO 10545-9	Pass according to EN ISO 10545-1	Resistant	Resistant	Resistant	Resistant
Moisture Expansion	ISO 10545-10	Declared value	≤ 0.01%	≤ 0.01%	≤ 0.01%	≤ 0.01%
Resistance to Frost	ISO 10545-12	Pass according to EN ISO 10545-1	Resistant	Resistant	Resistant	Resistant
Reaction to fire	-	Class A1 or A1 _g	Class A1 or A1 _g	Class A1 or A1 _g	Class A1 or A1 _g	Class A1 or A1 _g

Safety Characteristics

Technical Features	Norms	Required Standards	Value			
			Matte 9mm	Matte 6mm	Grip	Outdoor paving 20 mm
Dynamic Friction Coefficient	ANSI 137.1-2012 (D.C.O.F.)	≥ 0,42 WET	> 0,42 Wet	> 0,42 Wet	> 0,42 Wet	> 0,42 Wet
Non-Slip Classification	DIN 51130	Declared value	R10	R9	R11	R11
	DIN 51097		A+B	A	A+B+C	A+B+C

Chemical Characteristics

Technical Features	Norms	Required Standards	Value			
Resistance to Household Chemicals and Swimming Pool Salts	ISO 10545-13	Class B	A	A	A	A
Resistance to low concentrations of acids and alkalis		Declared Class	LA	LA	LA	LA
Resistance to High concentrations of acids and alkalis		Declared Class	HA	HA	HA	HA
Resistance to Staining	ISO 10545-14	Declared Class	5	5	5	5

Stocked Sizes (Nominal)

Dimensions	Available Colors
12"x24"x9mm Field Tile	Cord, Cotton, Fog, Graphite, Suede
24"x48"x9mm Field Tile	Cord, Cotton, Fog, Graphite, Suede
12x14"x9mm Maze Mosaic	Cord, Cotton, Fog, Graphite, Suede

Special Order Sizes* (Nominal)

All other non-stocked pieces in this line are available for order.

Recycled Content

20% - 40%