



Copper



Gold



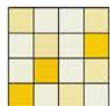
Ivory



Silver



Titanium



V3 Moderate Variation

TRUST

Regularity Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60 30x30 40x60 20x60	30x30 Grip	15x15 Non-Rectified
Length & Width	ISO 10545-2	± 0,6%* ± 0,75%* (15x15) ± 0,5%*	± 0,1% ± 0,1%	± 0,1% ± 0,1%	± 0,1% ± 0,1%	Suitable For
Thickness		± 5,0%	Suitable For	Suitable For	Suitable For	Suitable For
Straightness of Sides		± 0,5%	± 0,1%	± 0,1%	± 0,1%	Suitable For
Rectangularity		± 0,6%	± 0,1%	± 0,1%	± 0,1%	Suitable For
Surface Flatness		Not applicable to "strong" structures				

Structural Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	30x30 Grip	...Non-Rectified
Water Absorption	ISO 10545-3	≤ 0,5%	≤ 0,1%	≤ 0,5%	≤ 0,5%	≤ 0,1%

Bulk Mechanical Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	30x30 Grip	...Non-Rectified
Breaking Strength	ISO 10545-4	S ≥ 1300 N	S ≥ 2000 N	S ≥ 2000 N	S ≥ 2000 N	S ≥ 2000 N
Modulus of Rupture		R ≥ 35 N/mm ²	R ≥ 45 N/mm ²	R ≥ 35 N/mm ²	R ≥ 35 N/mm ²	R ≥ 45 N/mm ²

Surface Mechanical Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	30x30 Grip	...Non-Rectified
Mohs Hardness	EN 101	≥ 6	8	8	8	8
Resistance to Deep Abrasion	ISO 10545-6	≤ 175 mm ³	Suitable for	Suitable for	Suitable for	Suitable for

Thermal and Hygrometric Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	30x30 Grip	...Non-Rectified
Coefficient of Thermal Linear Expansion	ISO 10545-8	Test Method Available	≤ 7 MK ⁻¹	≤ 9 MK ⁻¹	≤ 9 MK ⁻¹	≤ 7 MK ⁻¹
Thermal Shock Resistance	ISO 10545-9	Test Method Available	Resistant	Resistant	Resistant	Resistant
Resistance to Frost	ISO 10545-12	Required	Resistant	Resistant	Resistant	Resistant

Safety Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	60x60 sp. 20 mm	30x30 Grip	...Non-Rectified
Dynamic Coefficient of Friction	ANSI 137.1-2012 (D.C.O.F.)	≥ 0,42 WET	≥ 0,42 WET	≥ 0,42 WET	≥ 0,42 WET	≥ 0,83 DRY ≥ 0,76 WET	Not Specified by Manufacturer
Static Coefficient of Friction	ASTM C 1028 (S.C.O.F.)	Slip Resistant (≥ 0,60)	≥ 0,60 DRY ≥ 0,60 WET	≥ 0,60 DRY ≥ 0,60 WET	≥ 0,80 DRY ≥ 0,80 WET	≥ 0,60 DRY ≥ 0,60 WET	≥ 0,60 DRY ≥ 0,60 WET
Non-Slip Classification	DIN 51130	Basing on the Environment or on the Working Area	R10	R10	R11	R12	R10
Non-Slip Classification	DIN 51097	Basing on the Wet-Loaded Barefoot Areas	A + B	A + B	A + B + C	A + B + C	A + B

Chemical Characteristics

Technical Features	Norms	Required Standards	45x90 22,5x90	60x60...	60x60 sp. 20 mm	30x30 Grip	...Non-Rectified
Resistance to Household Chemicals and Swimming Pool Salts	ISO 10545-13	Class UB min.	UA	UA	UA	UA	UA
Resistance to Low Concentrations of Acids and Alkalis		Manufacturer to State Classification	ULA	ULA	ULA	ULA	ULA
Resistance to High Concentrations of Acids and Alkalis		Test Method Available	UHA	UHA	UHA	UHA	UHA
Resistance to Staining	ISO 10545-14	Test Method Available	5	5	5	5	5

Stocked Sizes (Nominal)

Dimensions	Available Colors
12"x24"x10mm Field Tile	Copper, Gold, Ivory, Silver, Titanium
3"x12"x10mm Bullnose	Copper, Gold, Ivory, Silver, Titanium

Special Order Sizes* (Nominal)

Dimensions	Available Colors
30x30 - 12"x12" Field Tile	Copper, Gold, Ivory, Silver, Titanium
40x60 - 16"x24" Field Tile	Copper, Gold, Ivory, Silver, Titanium
60x60 - 24"x24" Field Tile	Copper, Gold, Ivory, Silver, Titanium (Grip)
30x60 - 12"x24" Field Tile	Copper, Gold, Ivory, Silver, Titanium (Grip)
15x30x4 - 12"x6"x1.6" Element L	Copper, Gold, Ivory, Silver, Titanium
30x60 - 12"x24" Gradino	Copper, Gold, Ivory, Silver, Titanium
33x60 - 13"x24" Scalino	Copper, Gold, Ivory, Silver, Titanium
33x33 - 13"x13" Scalino Angolare	Copper, Gold, Ivory, Silver, Titanium
7.2x30 - 3"x12" Bullnose Sag.DX	Copper, Gold, Ivory, Silver, Titanium
7.2x30 - 3"x12" Bullnose Sag.SX	Copper, Gold, Ivory, Silver, Titanium
30x30 - 12"x12" Brick Mosaic	Copper, Gold, Ivory, Silver, Titanium
30x30 - 12"x12" Mosaic	Copper, Gold, Ivory, Silver, Titanium

* 12 - 14 Week Lead Time

Recycled Content

Silver 20%, Copper 40%, Titanium 40%