

volark
TILES

**THE MODERN
CHOICE FOR
A LUXURIOUS
LOOK**

**1200X
1200MM**

Glossy | **Matt** | **09**
Finish | Finish | Thickness

www.volarkint.com

ABOUT US

Our company was established in 2014 to carry out a special mission to provide access to the finest quality of ceramic tiles all across the globe. Together as a team, we have the vision to prosper in our covet domain.





R&D Technology

Research & Technological innovation has always been one of our strength. From past few years, we have upgraded at all levels, from unit expansion, especially in raw materials, machineries and manufacturing process, leading to finest tiles and quality.

Our range of products are not only vast, but also technologically advanced. As we keep improving our designs and technologies, we remember our roots and our journey.

Think Beyond Walls

Unleash Your Inner
Designer with Tiles.

volark
TILES

1200x
1200mm

Finish
Glossy

9 mm
Thickness

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Birch
Onyx



Glossy
Finish



03
Random

1200^x
1200mm



BIRCH ONYX

1200x
1200mm | Finish
Glossy | Random
03





BIRCH ONYX



Plain
White



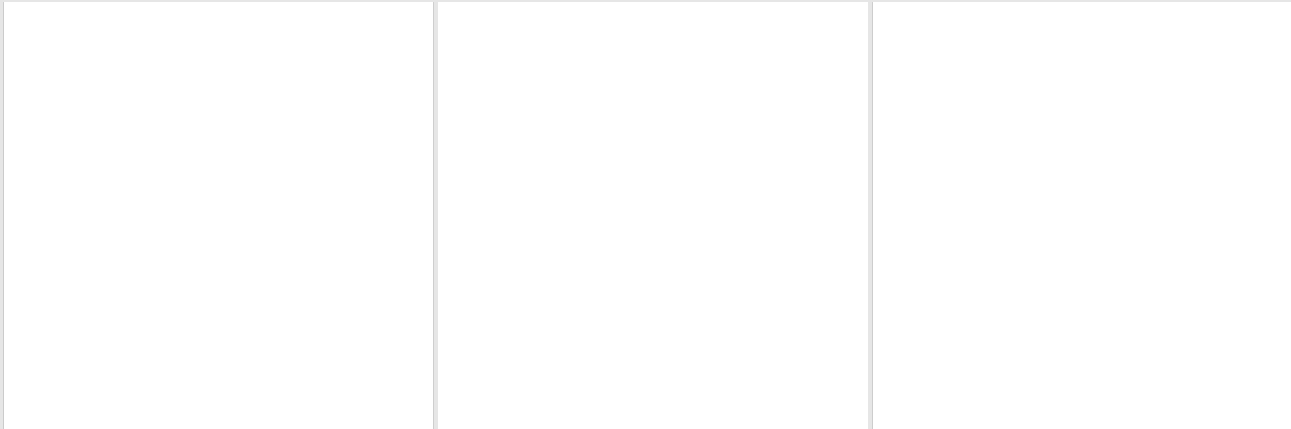
Glossy
Finish

1200^x
1200mm



PLAIN WHITE

1200x
1200mm | Finish
Glossy





PLAIN WHITE



Playa
Rustic



Glossy
Finish



02
Random

1200x
1200mm



PLAYA RUSTIC

1200x 1200mm | Finish Glossy | Random 02





PLAYA RUSTIC



Statuario
Electirca



Glossy
Finish



03
Random

1200^x
1200mm



STATUARIO ELECTIRCA

1200x | Finish | Random
1200mm | Glossy | 03





STATUARIO ELECTIRCA



Statuario
Soft



Glossy
Finish



04
Random

1200^x
1200mm



STATUARIO SOFT

1200x
1200mm | Finish
Glossy | Random
04





STATUARIO SOFT



Wine
White



Glossy
Finish



04
Random

1200^x
1200mm



WINE WHITE

1200x
1200mm | Finish
Glossy | Random
04





WINE WHITE



Vera
White



Glossy
Finish



03
Random

1200^x
1200mm



VERA WHITE

1200x
1200mm | Finish
Glossy | Random
03





VERA WHITE





1200x
1200mm

Finish | **9 mm**
Matt | Thickness

Embrace the *Matte Elegance*

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Cemento
Beige



Matt
Finish



03
Random

1200^x
1200mm



CEMENTO BEIGE

1200x
1200mm | Finish
Matt | Random
03





CEMENTO BEIGE



Cemento
Gris

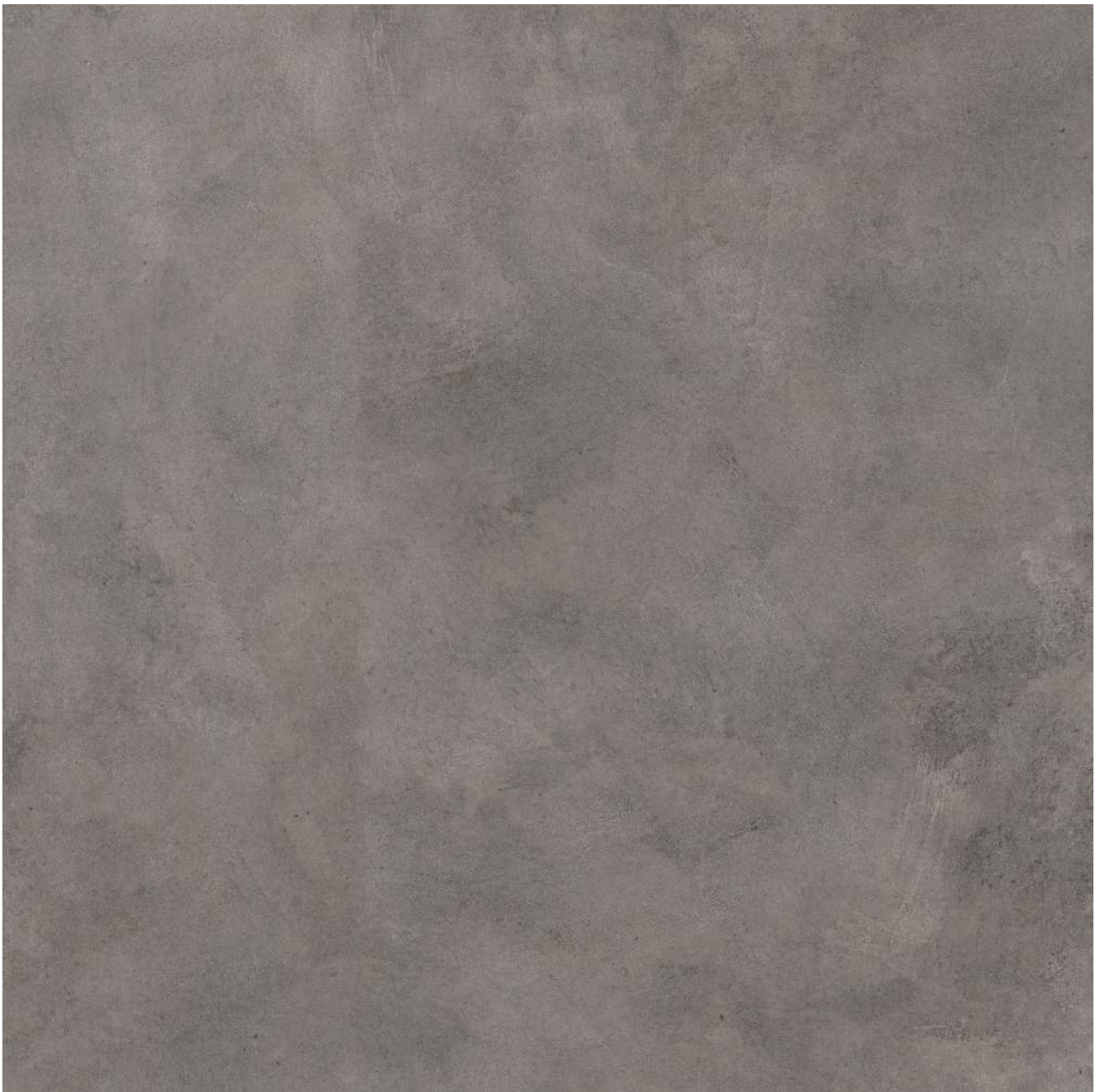


Matt
Finish



03
Random

1200x
1200mm



CEMENTO GRIS

1200x
1200mm | Finish
Matt | Random
03





CEMENTO GRIS



Cloudy
Bianco 1212

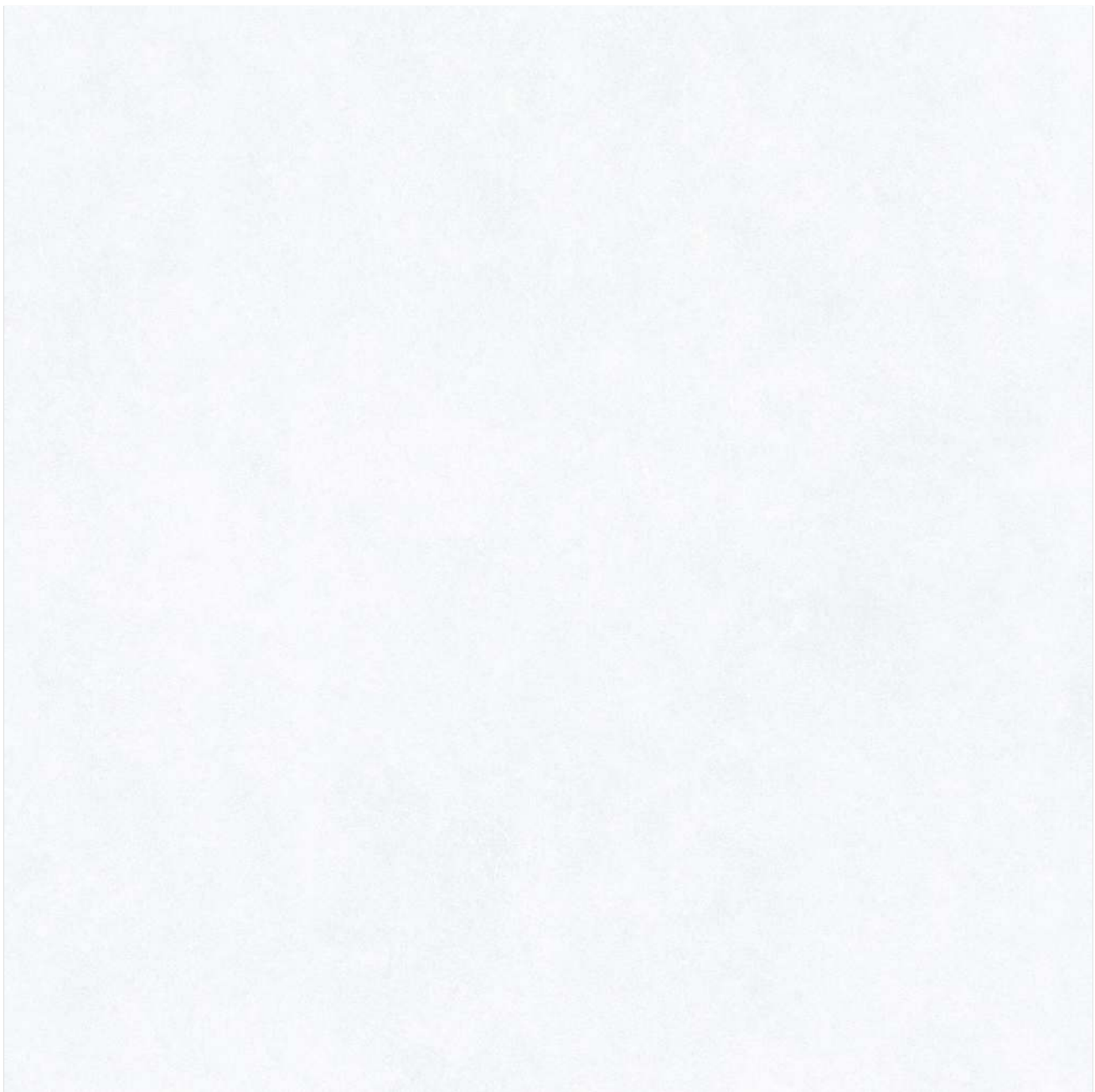


Matt
Finish



05
Random

1200^x
1200mm



CLOUDY BIANCO 1212

1200x
1200mm

Finish
Matt

Random
05





LOUDY BIANCO 1212



Cloudy
Crema1212

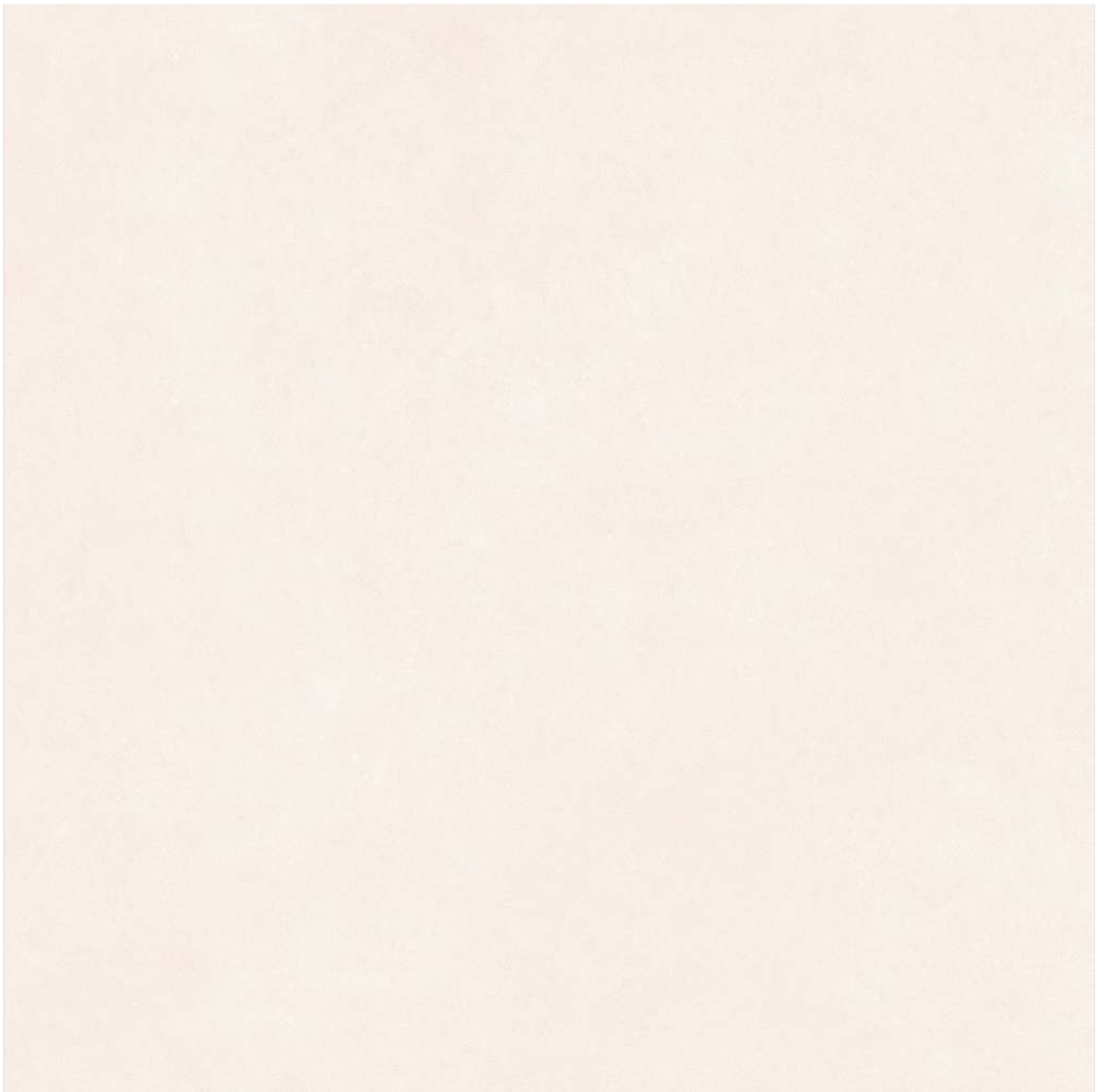


Matt
Finish



05
Random

1200^x
1200mm



CLOUDY CREMA 1212

1200x
1200mm

Finish
Matt

Random
05





CLOUDY CREMA 1212



Cloudy Dark
Grey 1212

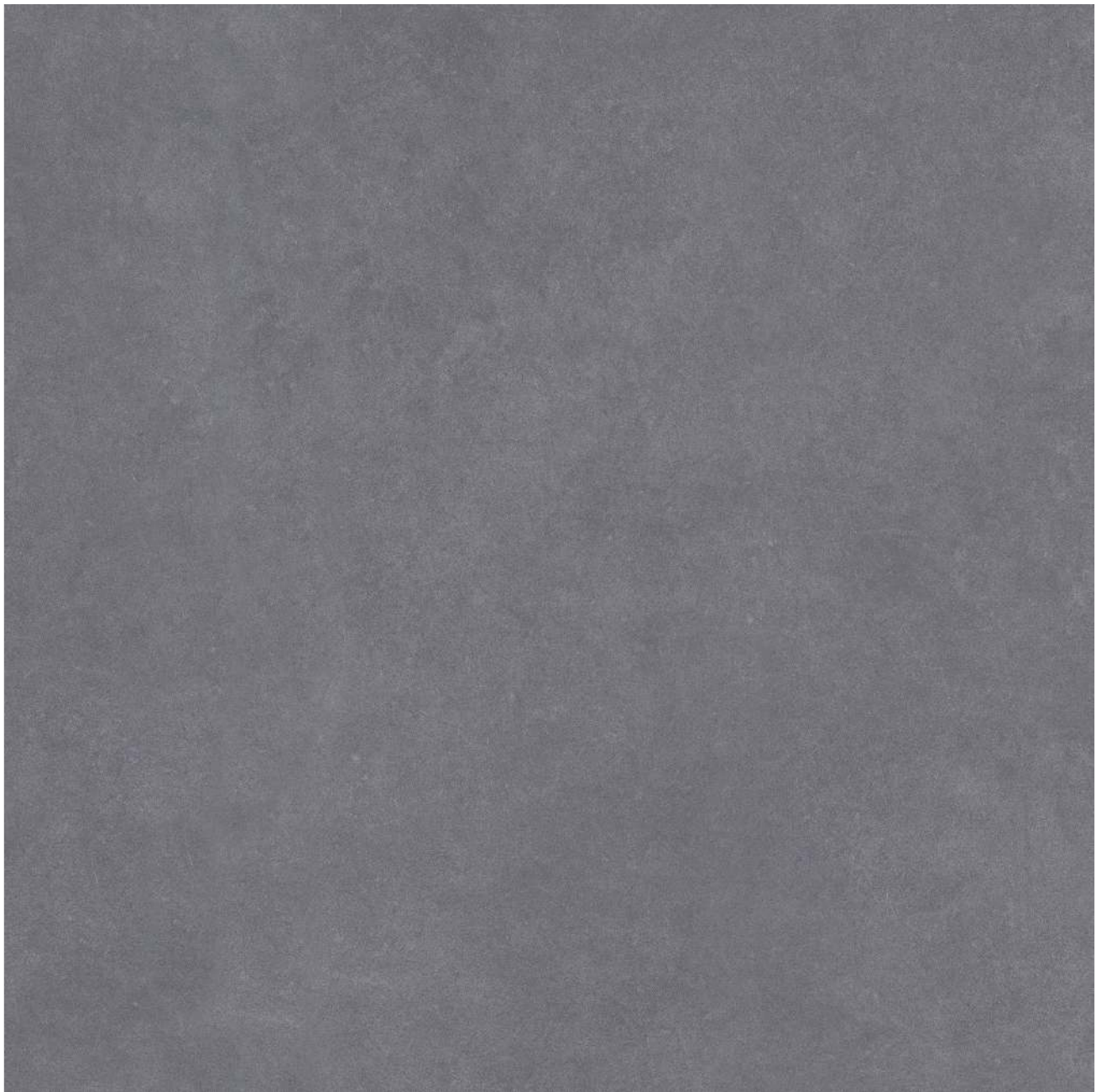


Matt
Finish



05
Random

1200^x
1200mm



**CLOUDY DARK
GREY 1212**

1200x
1200mm | Finish
Matt | Random
05





CLOUDY DARK GREY 1212



Cloudy
Gris 1212

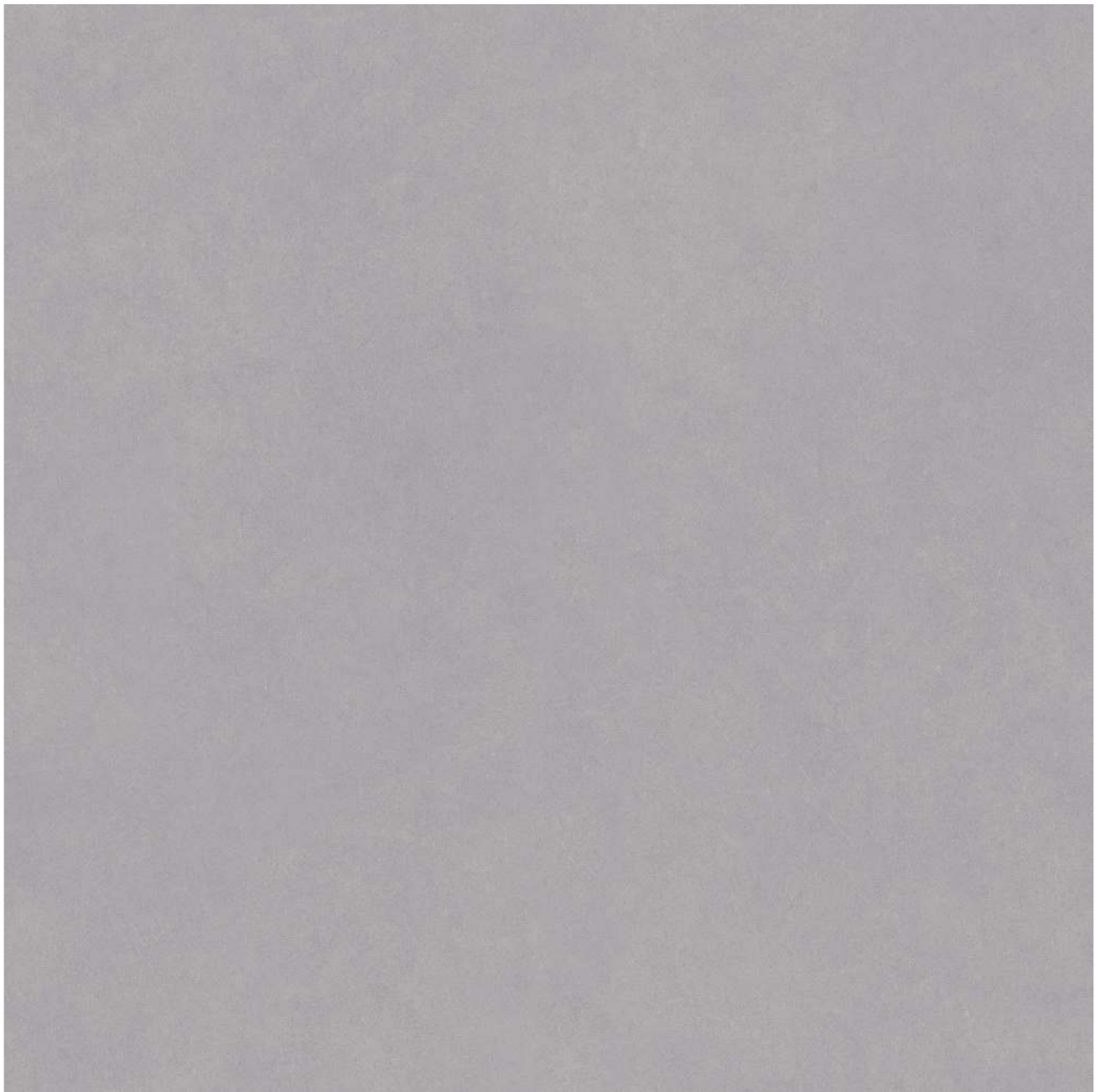


Matt
Finish



05
Random

1200^x
1200mm



CLOUDY GRIS 1212

1200x
1200mm | Finish
Matt | Random
05





CLOUDY GRIS 1212



TRAVERTINO
CARK1212



Matt
Finish



03
Random

1200^x
1200mm



TRAVERTINO CARK

1200x
1200mm

Finish
Matt

Random
03





TRAVERTINO CARK



TECHNICAL SPECIFICATIONS

CHARACTERISTIC	STANDARD AS PER ISO-13006/2018 En14411 gr.bla	VALUE	TEST METHOD
Regulatory Properties			
Deviation in Length & Width	±0.5%	±0.2%	ISO 10545-2
Deviation in Thickness	±5%	±5%	ISO 10545-2
Straightness of Sides	±0.5%	±0.2%	ISO 10545-2
Rectangularity	±0.5%	±0.2%	ISO 10545-2
Surface Flatness	±0.5%	±0.3%	ISO 10545-2
Colour Difference	ΔE<1.00	ΔE<0.30	ISO 10545-16
Glossiness	As per Mfg.	As Per Mfg.	GlossMeter
Structural Properties			
Water Absorption	≤0.5 %	≤0.3 %	ISO 10545-3
Apparent Density	As Per Mfg.	>2.20 g/cc	ISO 10545-3
Massive Mechanical Properties			
Modulus of Repture	Min.35N/mm ²	Min.40N/mm ²	ISO 10545-4
Breaking Strength	Min. 1300 N	Min. 2000 N	ISO 10545-4
Impact Resistance	As per Mfg.	Min. 0.55	ISO 10545-4
Surface Mechanical Properties			
Surface Abrasion Resistance	As per Mfg.	Min. class 3	ISO 10545-7
Moh's Hardness	As per Mfg.	Min. class 4	BS EN 15771
Thermo Hygrometric Properties			
Frost Resistance	As Per Mfg.	Frost Proof	ISO 10545-12
Thermal Shock Resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9
Moisture Expansion	Max. 0.6mm/m	Max. 0.02mm/m	ISO 10545-10
Thermal Expansion	Max. 9.0 x 10 ⁻⁶	Max. 6.0x10 ⁻⁶	ISO 10545-8
Chemical Properties			
Chemical Resistance	As Per Mfg.	No Damage	ISO 10545-13
Stain Resistance	Resistant	Resistant	ISO 10545-14
Safety Properties			
Slip Resistance	As per Mfg.	N. A.	DIN 51130
Fire Resistance	As per Mfg.	Fire Proof	N. A.

PACKING DETAILS

Size	BOX WEIGHT	NO OF SLAB/BOX	SQ.METER	THICNESS
1200x1200mm	61 kg	2pcs	2.88 sq.meter	9MM

TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO 13006:2012/ EN14411 GR. Bla	STANDARD AS PER ISO 15622:2017 GR. Bla	OUR VALUE	TEST METHOD
Regulatory Propertles				
Deviation in length and width	± 0.50%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Deviation in thickness	± 5.00%	± 5.00%	± 4.00%	ISO 10545-2 & IS 13630-1
Straightness in side	± 0.50%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.60%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness central curvature	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness Edge curvature	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness Warpage	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface Quality	> 95% defects fee	> 95% defects fee	> 95% defects fee	ISO 10545-2 & IS 13630-1
Small color Difference	ΔE <0.75	N.A.	No Change	ISO 10545-16
Glossiness (with nano polished)	As per Manufacturer	As per Manufacturer	>90°	Gloss Meter 60°
Glossiness (without polished)	As per Manufacturer	As per Manufacturer	7° < GLOSS <14°	Gloss Meter 60°
Glossiness (Satin)	As per Manufacturer	As per Manufacturer	15° < GLOSS <25°	Gloss Meter 60°
Structural Properties				
Water absorption	≤ 0.50%	≤ 0.080%	≤ 0.050%	ISO 10545-3 & IS 13630-2
Bulk density	> 2.00 g/cc	Min.2.00 g/cc	> 2.28 g/cc	DIN51082 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35.0 N/mm ²	Min. 35.0 N/mm ²	Min. 37.0 N/mm ²	ISO 10545-4 & IS 13630-6
Breaking strength thickness <7.5	Min. 700.0 N	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4 & IS 13630-6
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1300.0 N	Min. 1600.0 N	ISO 10545-4 & IS 13630-6
Massive Mechanical Properties				
MOH'S hardness	Min. 4	Min. 5	Min. 4**	EN 101 & IS 13630-13
Surface abrasion resistance-Glossy#	As per Manufacturer	Min. Class II	Min. Class 2/Min,ClassII	ISO 10545-7 & IS 13630-11
Surface abrasion resistance-Matt#	As per Manufacturer	Min. Class II	Min. Class 3/Min,ClassII	ISO 10545-4 & IS 13630-11
Thermal Hygrometric Properties				
Moisture expansion	Min. 0.06	Min. 0.02	NIL	ISO 10545-10 & IS 13630-3
Moisture expansion(COE) at 100°C	As per Manufacturer	Min. 7.0 x 10*	Min. 6.0 x 10*	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min, 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing Resistance at 7.5 Bar	As per Manufacturer	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance (COR)	As per Manufacturer	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	As per Manufacturer	As per Manufacturer	Frost Proof	ISO 10545-12 & IS 13630-10
Thermal Hygrometric Properties				
Moisture expansion	Min. 0.06	Min. 0.02	NIL	ISO 10545-10 & IS 13630-3
Moisture expansion(COE) at 100°C	As per Manufacturer	Min. 7.0 x 10*	Min. 6.0 x 10*	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min, 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing Resistance at 7.5 Bar	As per Manufacturer	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance (COR)	As per Manufacturer	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	As per Manufacturer	As per Manufacturer	Frost Proof	ISO 10545-12 & IS 13630-10
Chemical Properties				
Resistance to Staining Glazed	Min. Class 3	Min. Class I	Min. Class 4/min.classI	ISO 10545-10 & IS 13630-8
Resistance to household chemicals & swimming pool salts Glazed	Min. Class GB	Min. Class AA	Min. Class GA/Min.class AA	ISO 10545-9 & IS 13630-8
Resistance to low concentrate Acidand alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GLB* /Min.class A***	ISO 10545-5 & IS 13630-8
**Resistance to High concentrate Acidand alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GA/Min.class AA	ISO 10545-12 & IS 13630-8
Safety Properties				
Skid resistance (DCOF-DRY)	As per Manufacturer	As per Manufacturer	>0.40	ISO 10545-17
Slip resistance (DCOF)(R Value) ##	As per Manufacturer	As per Manufacturer	N.A.	ISO 10545-17
Determination of Lead & Cadmium Release for Glazed Tiles	As per Manufacturer	N.A.	Does not yield pb & Cd	ISO 10545-15
Fire Resistance	As per Manufacturer	As per Manufacturer	Fire Proof	N.A.

* Glossiness 90% with nano technology

** Without nano technology (Unpolished Vitrified Tiles)

*** Except Hydrofluoric Acid & it's Compound

Glaze tiles intended for use on floor

As per customer requirement



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