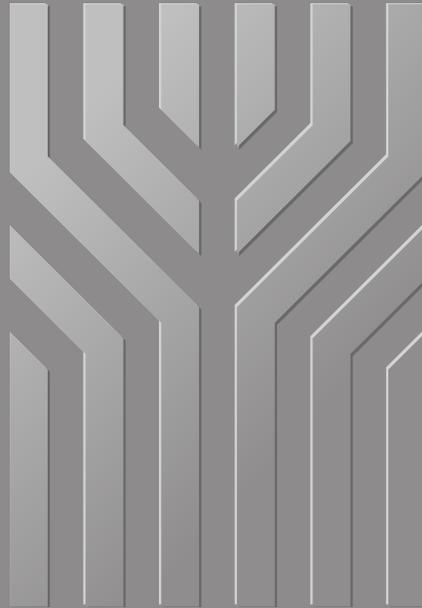




LAMINAR
Vitrified Tiles



VITRONA
COLLECTION

100% GLAZED VITRIFIED TILES
600x1200mm | 600x600mm



#LAMINAR
Vitrified Tiles

INTRODUCING
THE **VITRONA** COLLECTION

3

SURFACES
GLOSSY
MATT
MATT CARVING

2

SIZES
600x1200mm
600x600mm

1

THICKNESS
8.5mm

VITRONA COLLECTION STORY

The Vitrona Collection is more than just a series of tiles; it is a tale of harmony and design. Each piece within the collection is designed to complement the others, creating a cohesive and versatile palette that caters to a variety of preferences. Vitrona Collection's 100% vitrified body ensures everlasting strength and timeless designs, crafting spaces meant to last forever.

The heart of the Vitrona Collection lies in its expansive range, each piece a testament to the designer's artistry. Whether showcasing the majestic beauty of natural stones or the subtle sophistication of urban décor, Vitrona will elevate your space.

The Glossy and Matt surfaces, including Matt carving options within the Collection, offer a multitude of finishes that unite to perfect any space. The distinct Décor designs provide a touch of boldness that ties these elements together, creating a unifying theme that bridges the understated with the intrepid.

Whether used individually or in combination, these tiles elevate any space through their ethereal designs and unique surfaces, making the Vitrona Collection ideal for those who appreciate the finer things in life.





VITRONA
COLLECTION

GLOSSY SURFACE

Vitrona Collection's Glossy surfaces are rigorously polished with a state-of-the-art polishing machine to achieve everlasting shine. The polishing process removes all bumps and makes the surface perfectly flat and smooth increasing its reflectiveness. These surfaces radiantly disperse the ambient light adding a touch of refinement while enhancing spaces to feel more open and inviting.

FEATURES



Easy to Clean



Enhanced Color Depth



Shine Polished Surface

APPLICATIONS



Bathroom Wall



Decorative Wall



Residential Floor



Kitchen Wall

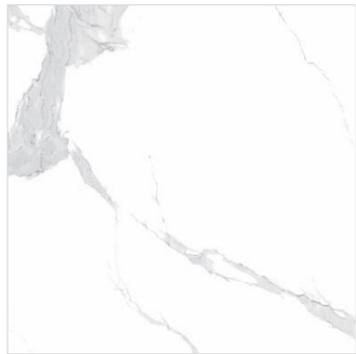


Façade

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
÷ 8.5mm



STATURIO FREAK
VTR - 1001

∞ RANDOM



ARMANI GREY
VTR - 1024

∞ RANDOM



Wall : STATURIO FREAK
Floor : ARMANI GREY

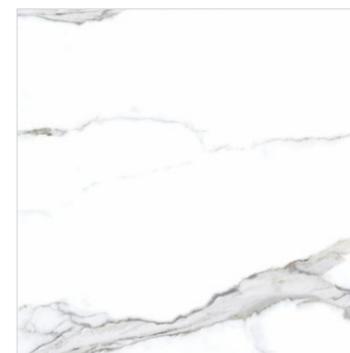
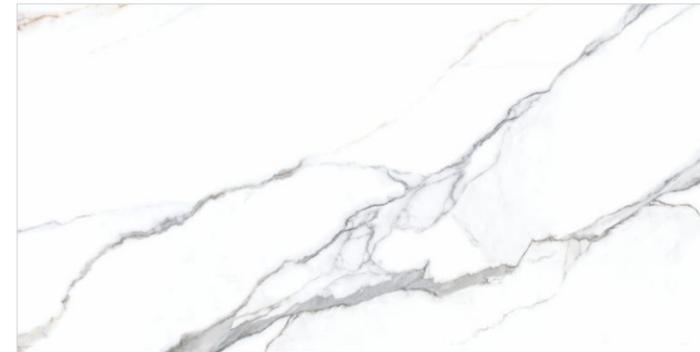


Wall : ARCADIA GREY
 Floor : VOLCANO STATUARIO

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm

#LAMINAR
 Vitrified Tiles



VOLCANO STATUARIO
 VTR - 1037
 ∞ RANDOM



ARCADIA GREY
 VTR - 1025
 ∞ RANDOM

* ∞ Random - Tile has multiple variations of the same design

GLOSSY

Sizes | Surface | Thickness
600x1200mm | 600x600mm | Glossy | ÷ 8.5mm



MARCUS WHITE
VTR - 1031
∞ RANDOM



COSSY GREY
VTR - 1038
∞ RANDOM



GLOSSY

Wall : MARCUS WHITE
Floor : COSSY GREY



Wall : MISTY ONYX
 Floor : SCARITO BEIGE

VITRONA
 COLLECTION

Sizes
 600x1200mm | 600x600mm

Surface
 Glossy

Thickness
 ÷ 8.5mm



MISTY ONYX
 VTR - 1027
 ✕ RANDOM



SCARITO BEIGE
 VTR - 1028
 ✕ RANDOM

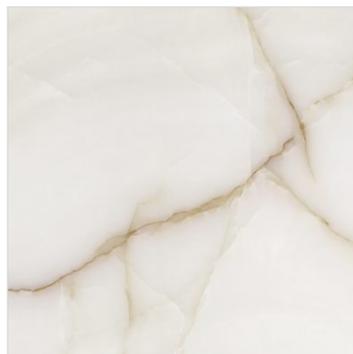
GLOSSY

* ✕ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
8.5mm



FELIX ONIC
VTR - 1039
∞ RANDOM



VERING VERDE
VTR - 1014
∞ RANDOM



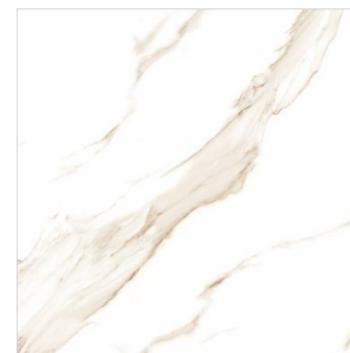
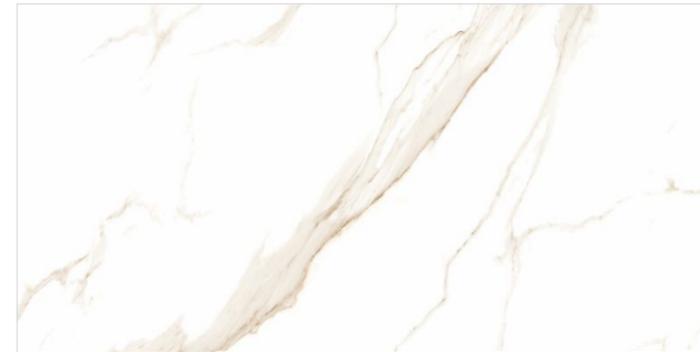
Wall : FELIX ONIC
Floor : VERING VERDE



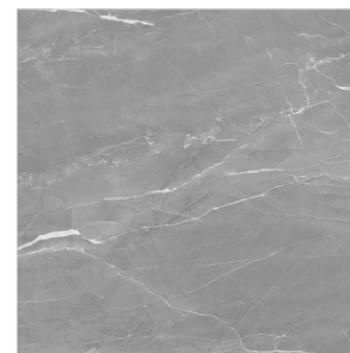
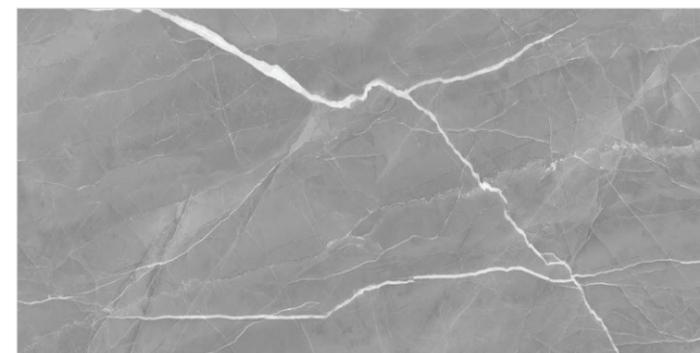
Wall : ALASKA BEIGE
 Floor : IRISH GREY

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm



ALASKA BEIGE
 VTR - 1002
 ∞ RANDOM



IRISH GREY
 VTR - 1026
 ∞ RANDOM

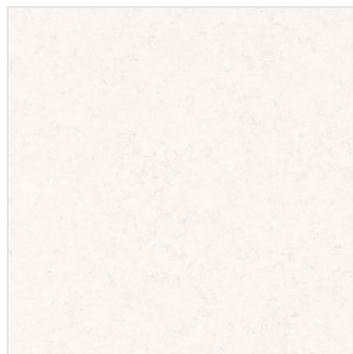
* ∞ Random - Tile has multiple variations of the same design

GLOSSY

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
8.5mm



BRISTOL CREMA
VTR - 1034

∞ RANDOM



BRISTOL BEIGE
VTR - 1033

∞ RANDOM



GLOSSY

Wall : BRISTOL CREMA & BRISTOL BEIGE
Floor : BRISTOL BEIGE



Wall : MURAN BEIGE & DYNA BROWEN
 Floor : DYNA BROWEN

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm



MURAN BEIGE
 VTR - 1016
 ✎ RANDOM



DYNA BROWEN
 VTR - 1018
 ✎ RANDOM

* ✎ Random - Tile has multiple variations of the same design

Sizes | Surface | Thickness
600x1200mm | 600x600mm | Glossy | 8.5mm



DAANA
VTR - 1020
∞ RANDOM



TRAVENTINO CREAM
VTR - 1021
∞ RANDOM

* ∞ Random - Tile has multiple variations of the same design



GLOSSY

Wall : TRAVENTINO CREAM
Floor : DAANA



Wall : TEXAS BEIGE
 Floor : TEXAS BROWN

VITRONA
 COLLECTION

Sizes
 600x1200mm | 600x600mm

Surface
 Glossy

Thickness
 ÷ 8.5mm

#LAMINAR
 Vitrified Tiles



TEXAS BEIGE
 VTR - 1007
 ✂ RANDOM



TEXAS BROWN
 VTR - 1008
 ✂ RANDOM

GLOSSY

* ✂ Random - Tile has multiple variations of the same design

Sizes | Surface | Thickness
600x1200mm | 600x600mm | Glossy | ± 8.5mm



APRIAT LEMONADE
VTR - 1005

± RANDOM



APRIAT PEACH
VTR - 1006

± RANDOM



Wall : APRIAT LEMONADE
Floor : APRIAT PEACH

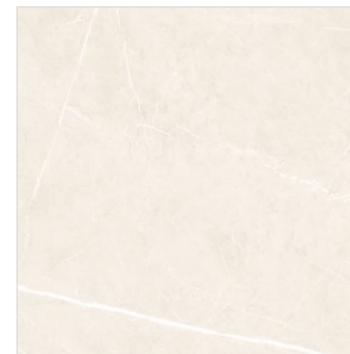


Wall : PIETRA CREMA
 Floor : PIETRA GREY

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm

#LAMINAR
 Vitrified Tiles



PIETRA CREMA
 VTR - 1009
 ✂ RANDOM



PIETRA GREY
 VTR - 1010
 ✂ RANDOM

* ✂ Random - Tile has multiple variations of the same design

GLOSSY

Sizes | Surface | Thickness
600x1200mm | 600x600mm | Glossy | 8.5mm



PLANETO IVORY
VTR - 1003
∞ RANDOM



PLANETO NATURAL
VTR - 1004
∞ RANDOM



Wall : PLANETO IVORY & PLANETO NATURAL
Floor : PLANETO NATURAL



Wall : BRISTOL MINOLI
 Floor : LILAC

VITRONA

COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm



BRISTOL MINOLI
 VTR - 1023
 ∞ RANDOM



LILAC
 VTR - 1022
 ∞ RANDOM

GLOSSY

* ∞ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
8.5mm



KRAKON BIANCO
VTR - 1011
∞ RANDOM



KRAKON SLATE
VTR - 1012
∞ RANDOM



GLOSSY

Wall : KRAKON BIANCO
Floor : KRAKON SLATE



Wall : VERING SILVER
 Floor : BOTTOCHINO NATURAL

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm

#LAMINAR
 Vitrified Tiles



VERING SILVER
 VTR - 1013
 ∞ RANDOM



BOTTOCHINO NATURAL
 VTR - 1017
 ∞ RANDOM

GLOSSY

* ∞ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
8.5mm



NOVOSA WHITE
VTR - 1030
∞ RANDOM



NOVOSA GREY
VTR - 1029
∞ RANDOM



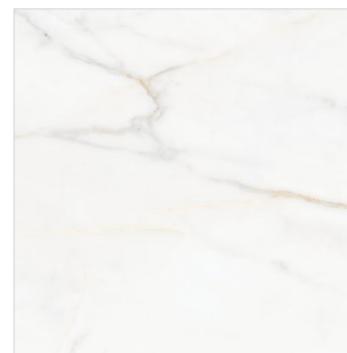
Wall : NOVOSA WHITE
Floor : NOVOSA GREY



Wall : PULIDO DORO
 Floor : BAGLIO NERO

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm



PULIDO DORO
 VTR - 1035
 ✂ RANDOM



BAGLIO NERO
 VTR - 1040
 ✂ RANDOM

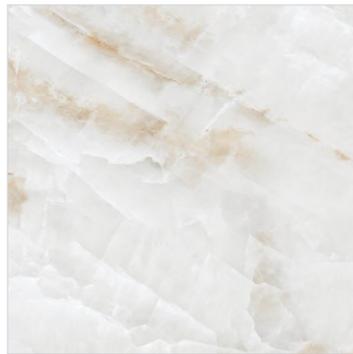
GLOSSY

* ✂ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Glossy

Thickness
8.5mm



AFYON BEIGE
VTR - 1032

∞ RANDOM



EVELYN BLU
VTR - 1036

∞ RANDOM



GLOSSY

Wall : AFYON BEIGE
Floor : EVELYN BLU



Wall : DYNA BROWN
 Floor : BRECIA PEACH

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Glossy | 8.5mm



BRECIA PEACH
 VTR - 1015
 ✂ RANDOM



DYNA BROWN
 VTR - 1019
 ✂ RANDOM

GLOSSY



Decor : TRIGON
Wall : MARCUS WHITE
Floor : NOVOSA GREY

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm

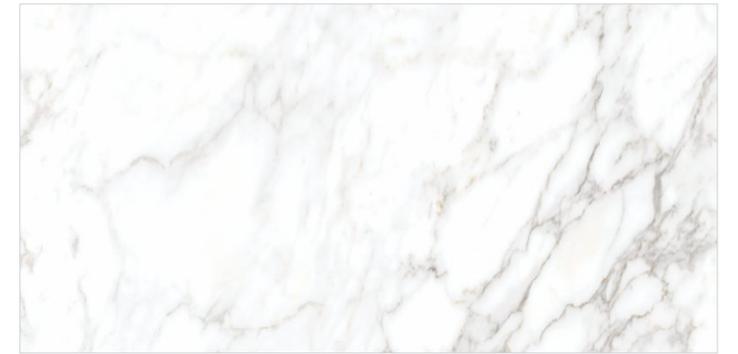


TRIGON
VTR - D901



A Suggested Combination
by Laminar

MARCUS WHITE
VTR - 1031
± RANDOM



NOVOSA WHITE
VTR - 1030
± RANDOM



NOVOSA GREY
VTR - 1029
± RANDOM





Decor : REFLECTO SKEW
Wall : VOLCANO STATUARIO
Floor : COSSY GREY

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm



REFLECTO SKEW
VTR - D78



suggested
combination by
LAMINAR

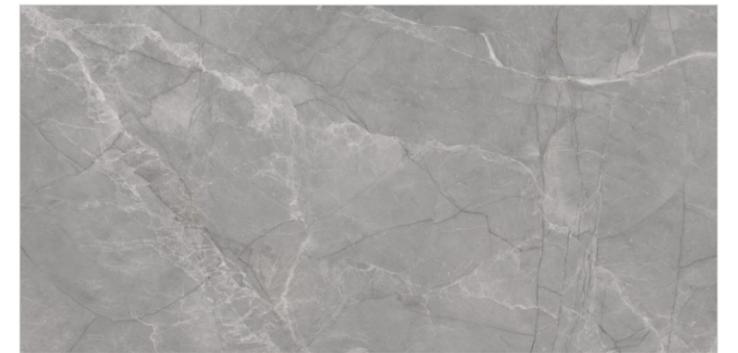
VOLCANO STATUARIO
VTR - 1037

± RANDOM



COSSY GREY
VTR - 1038

± RANDOM



GLOSSY DECOR



Decor : LEFLORAL
Wall : AFYON BEIGE
Floor : AFYON BEIGE

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm



LEFLORAL
VTR - D13



suggested
combination by
LAMINAR



AFYON BEIGE
VTR - 1032
± RANDOM





Decor : DIMESA WAVE
Wall : BRISTOL CREMA
Floor : BRISTOL BEIGE

GLOSSY DECOR

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm

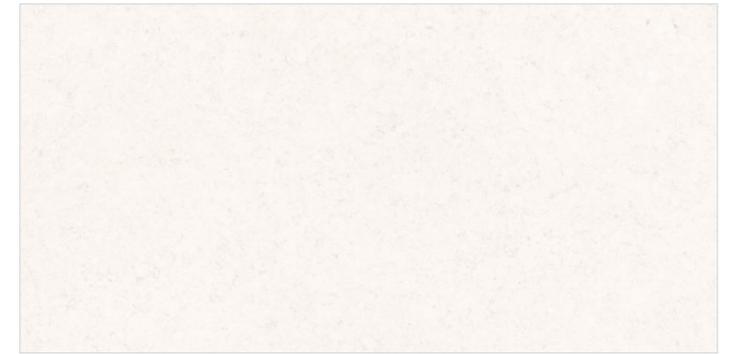


DIMESA WAVE
VTR - D189



suggested
combination by
LAMINAR

BRISTOL CREMA
VTR - 1034
± RANDOM



BRISTOL BEIGE
VTR - 1033
± RANDOM

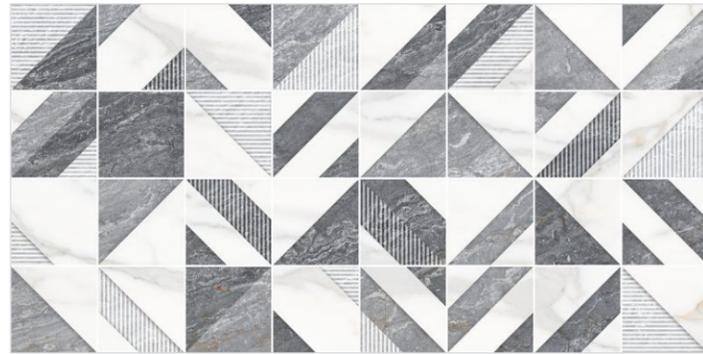


GLOSSY DECOR



Decor : STEPO SLANT
Wall : PULIDO DORO
Floor : EVELYN BLU

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm



STEPO SLANT
VTR - D127



suggested
combination by
LAMINAR

PULIDO DORO
VTR - 1035

± RANDOM



EVELYN BLU
VTR - 1036

± RANDOM



GLOSSY DECOR



Decor : MARMOLINO
Wall : BAGLIO NERO
Floor : FELIX ONIC

Size | Surface | Thickness
600x1200mm | Glossy | ± 8.5mm



MARMOLINO
VTR - D90



suggested
combination by
LAMINAR

FELIX ONIC
VTR - 1039
± RANDOM



BAGLIO NERO
VTR - 1040
± RANDOM



GLOSSY DECOR



VITRONA

COLLECTION

MATT SURFACE

Vitrona Collection's matt surfaces imitate a natural look and feel via its protective layer of glaze and are not polished. These surfaces have high light absorption which adds warmth and depth to your space. These surfaces offer a more subdued and sophisticated appearance, perfect for creating a calming ambience.

FEATURES



Natural
Texture



Scratch
Resistance



Minimal
Maintenance

APPLICATIONS



Bathroom
Wall



Bathroom
Floor



Kitchen
Floor



Balcony &
Terrace



Decorative
Wall



Residential
Floor



Commercial
Area

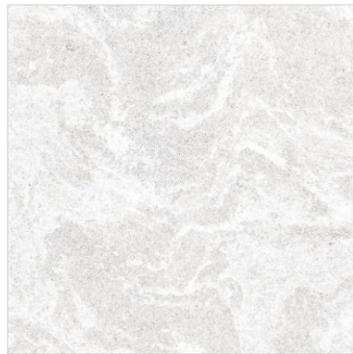


Façade

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
÷ 8.5mm



IDRO WHITE
VTR - 3001
∞ RANDOM



ANTISLIP GREY
VTR - 3014
∞ RANDOM

* ∞ Random - Tile has multiple variations of the same design



Wall : IDRO WHITE
Floor : ANTISLIP GREY



Wall : PETRA CREMA
 Floor : HORTON ECRU

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Matt | 8.5mm



HORTON ECRU
 VTR - 3003
 ✂ RANDOM



PETRA CREMA
 VTR - 3009
 ✂ RANDOM

* ✂ Random - Tile has multiple variations of the same design

MATT

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
÷ 8.5mm



CONCRETO
VTR - 3002
∞ RANDOM



PETRA BEIGE
VTR - 3008
∞ RANDOM

* ∞ Random - Tile has multiple variations of the same design



MATT

Wall : CONCRETO
Floor : PETRA BEIGE



Wall : SPECTRAL GREY
 Floor : ATLANTIC CIOCCOLATO

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Matt | 8.5mm



SPECTRAL GREY
 VTR - 3004
 ∞ RANDOM



ATLANTIC CIOCCOLATO
 VTR - 3015
 ∞ RANDOM

* ∞ Random - Tile has multiple variations of the same design

MATT

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
8.5mm



BASALTINA GRIGEO
VTR - 3030

∞ RANDOM



BASALTINA BEIGE
VTR - 3029

∞ RANDOM



Wall : BASALTINA GRIGEO
Floor : BASALTINA BEIGE

MATT



Wall : CEMENTO GRICH
 Floor : DUNE GOLD

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Matt | 8.5mm



CEMENTO GRICH
 VTR - 3005
 ∞ RANDOM



DUNE GOLD
 VTR - 3028
 ∞ RANDOM

MATT

* ∞ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
8.5mm



DUNE CREAM
VTR - 3024
∞ RANDOM



DUNE VERDE
VTR - 3025
∞ RANDOM



Wall : DUNE CREAM
Floor : DUNE VERDE



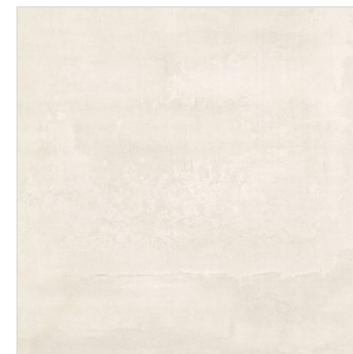
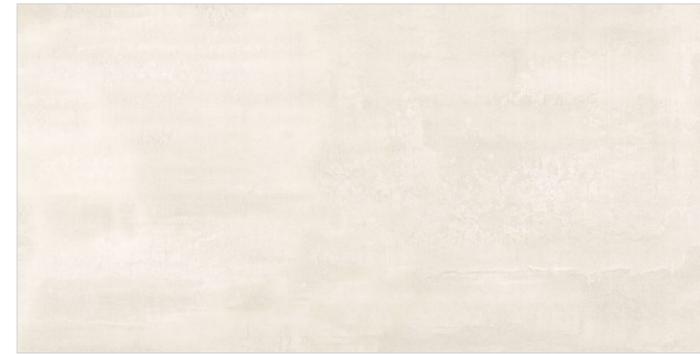
Wall : VERTA CREMA
 Floor : VERTA BROWN

VITRONA
 COLLECTION

Sizes
 600x1200mm | 600x600mm

Surface
 Matt

Thickness
 ÷ 8.5mm



VERTA CREMA
 VTR - 3013
 ∞ RANDOM



VERTA BROWN
 VTR - 3012
 ∞ RANDOM

MATT

* ∞ Random - Tile has multiple variations of the same design

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
8.5mm



STEEL CREMA
VTR - 3011
∞ RANDOM



STEEL BROWN
VTR - 3010
∞ RANDOM



MATT

Wall : STEEL CREMA
Floor : STEEL BROWN



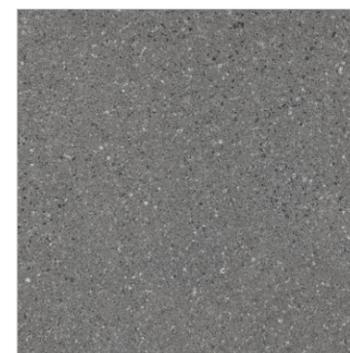
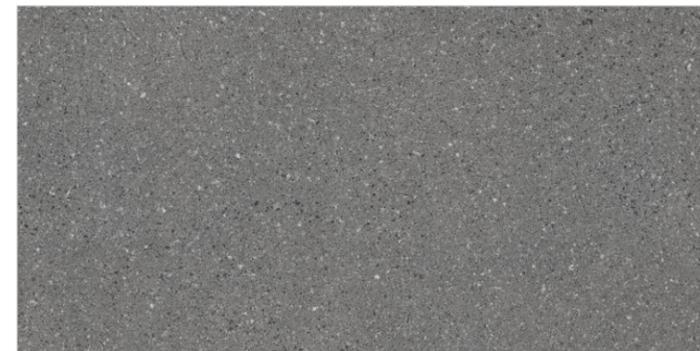
Wall : STEEL DARK
 Floor : EGGER AZUL

VITRONA
 COLLECTION

Sizes
 600x1200mm | 600x600mm

Surface
 Matt

Thickness
 ÷ 8.5mm



STEEL DARK
 VTR - 3007
 ∞ RANDOM



EGGER AZUL
 VTR - 3006
 ∞ RANDOM

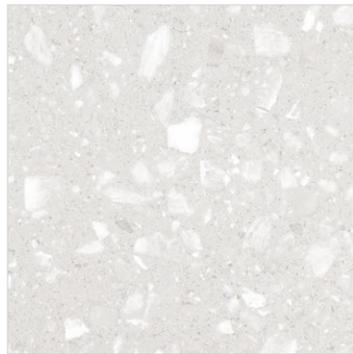
* ∞ Random - Tile has multiple variations of the same design

MATT

Sizes
600x1200mm | 600x600mm

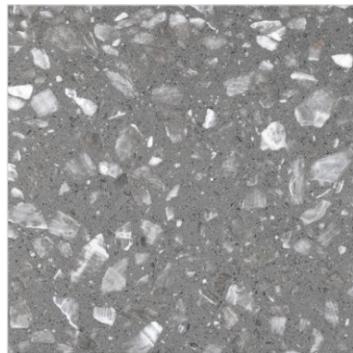
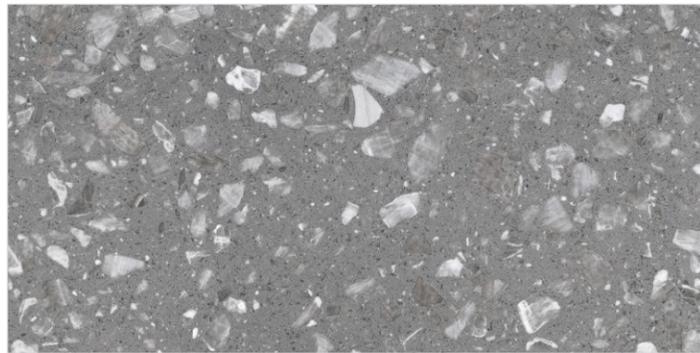
Surface
Matt

Thickness
8.5mm



TERRASTONE WHITE
VTR - 3017

∞ RANDOM



TERRASTONE GREY
VTR - 3016

∞ RANDOM



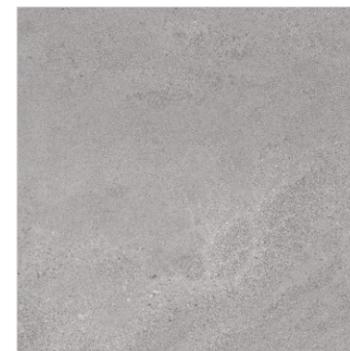
Wall : TERRASTONE WHITE
Floor : TERRASTONE GREY



Wall : MOCHA ECRU DOVE
 Floor : MOCHA ECRU GREY

VITRONA
 COLLECTION

Sizes | Surface | Thickness
 600x1200mm | 600x600mm | Matt | 8.5mm



MOCHA ECRU DOVE
 VTR - 3026
 ✎ RANDOM



MOCHA ECRU GREY
 VTR - 3027
 ✎ RANDOM

* ✎ Random - Tile has multiple variations of the same design

MATT

Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
÷ 8.5mm



SAMANTO BIANCO
VTR - 3018

∞ RANDOM



SAMANTO GRISS
VTR - 3019

∞ RANDOM



Wall : SAMANTO BIANCO
Floor : SAMANTO GRISS



Wall : FUSION DK
 Floor : FUSION LH

VITRONA
 COLLECTION

Sizes
 600x1200mm | 600x600mm

Surface
 Matt

Thickness
 ÷ 8.5mm



FUSION LH
 VTR - 3021
 ∞ RANDOM



FUSION DK
 VTR - 3020
 ∞ RANDOM

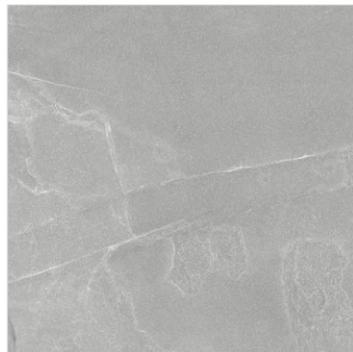
* ∞ Random - Tile has multiple variations of the same design

MATT

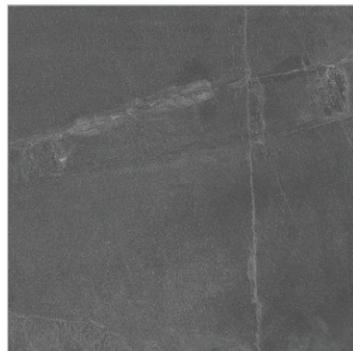
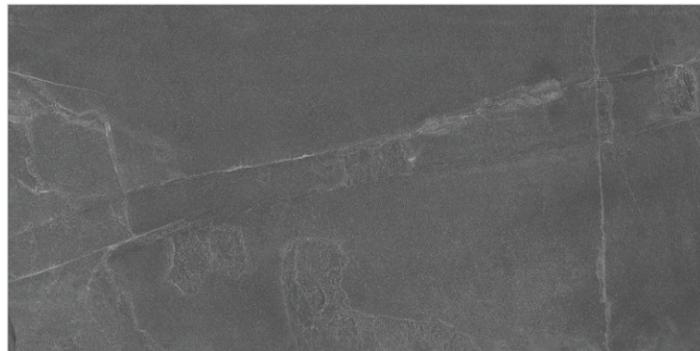
Sizes
600x1200mm | 600x600mm

Surface
Matt

Thickness
÷ 8.5mm



VERONE CHAIRO
VTR - 3022
∞ RANDOM



VERONE SCURO
VTR - 3023
∞ RANDOM



Wall : VERONE CHAIRO
Floor : VERONE SCURO



Decor : RETRORNA
Wall : VERONE CHAIRO
Floor : VERONE CHAIRO

MATT DECOR

Size | Surface | Thickness
600x1200mm | Matt | ± 8.5mm



RETORNA
VTR - D0123

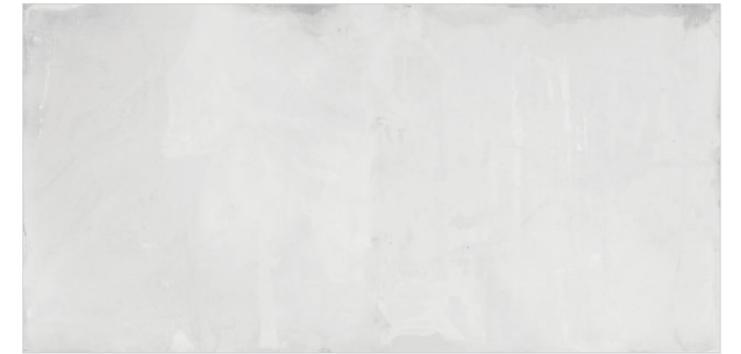
± RANDOM



suggested
combination by
LAMINAR

FUSION LH
VTR - 3021

± RANDOM



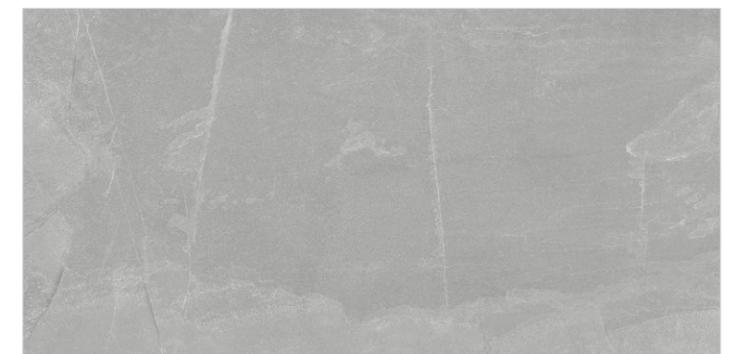
FUSION DK
VTR - 3020

± RANDOM



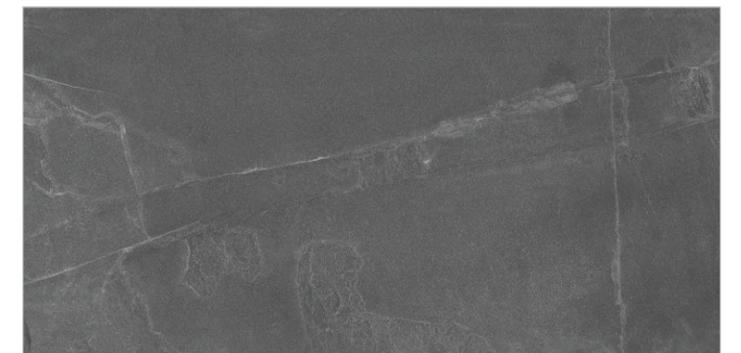
VERONE CHAIRO
VTR - 3022

± RANDOM



VERONE SCURO
VTR - 3023

± RANDOM



MATT DECOR



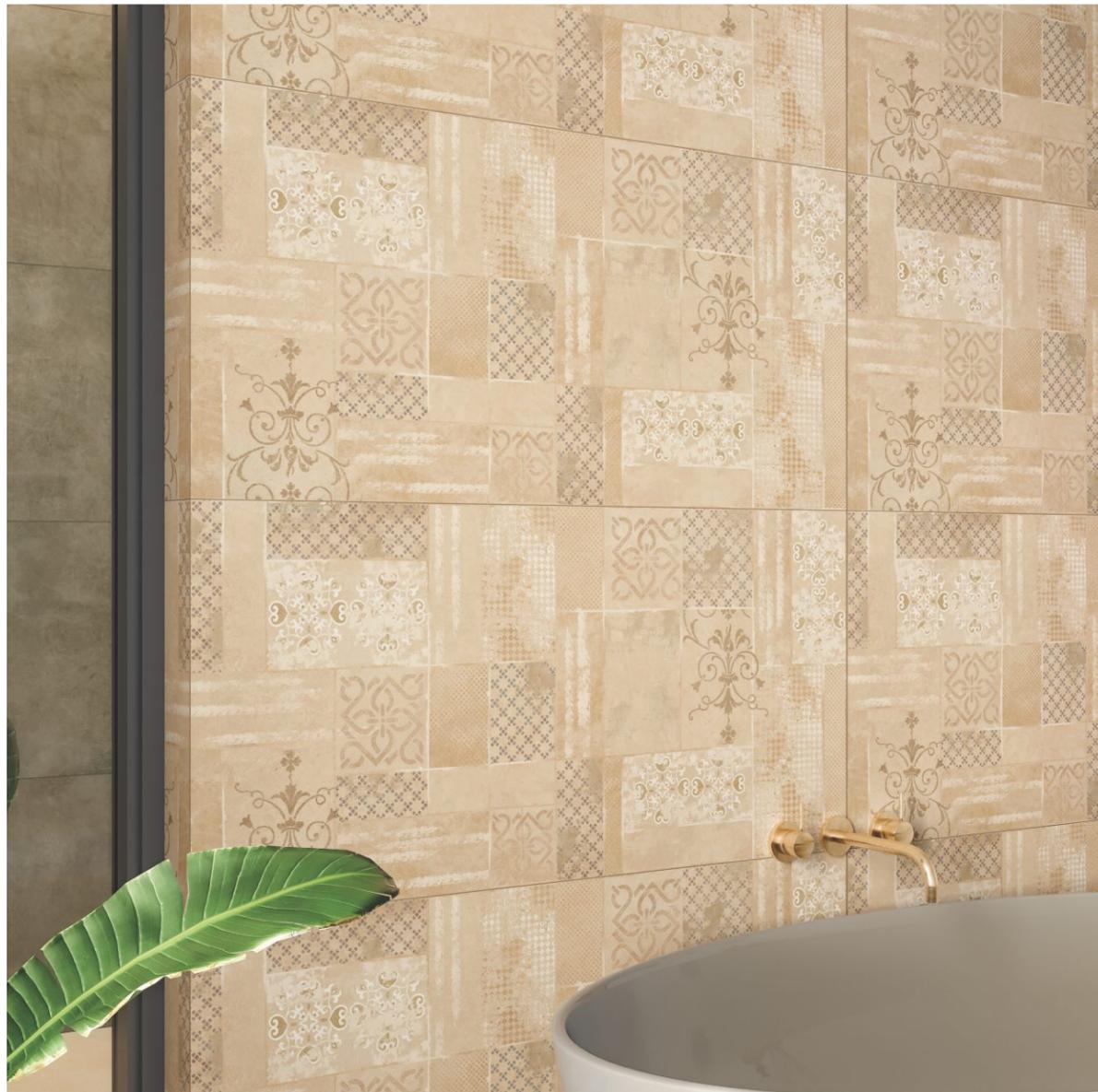
Decor : ANCESTRY
Wall : DUNE VERDE
Floor : DUNE CREAM

MATT DECOR

Size | Surface | Thickness
600x1200mm | Matt | 8.5mm



ANCESTRY
VTR - D45



suggested
combination by
LAMINAR

DUNE CREAM
VTR - 3024

∞ RANDOM



DUNE VERDE
VTR - 3025

∞ RANDOM





Decor : PYRO
Wall : BASALTINA BEIGE
Floor : DUNE GOLD

Size | Surface | Thickness
600x1200mm | Matt | ± 8.5mm



PYRO
VTR - D890



suggested
combination by
LAMINAR

BASALTINA GRIGEO
VTR - 3030
± RANDOM



BASALTINA BEIGE
VTR - 3029
± RANDOM



DUNE GOLD
VTR - 3028
± RANDOM



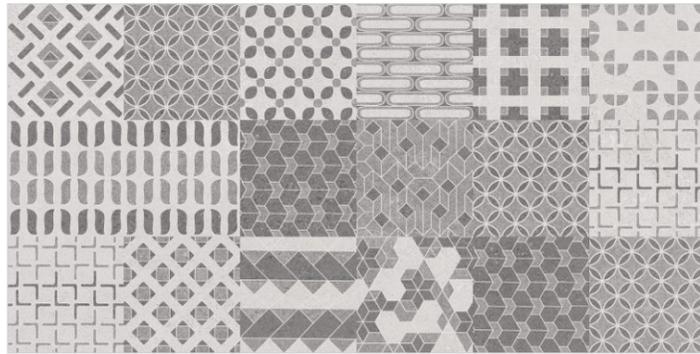
MATT DECOR



Decor : FEBRICART
Wall : MOCHA ECRU DOVE & MOCHA ECRU GREY
Floor : MOCHA ECRU GREY

MATT DECOR

Size | Surface | Thickness
600x1200mm | Matt | ± 8.5mm



FEBRICART
VTR - D67
± RANDOM



suggested
combination by
LAMINAR



MOCHA ECRU DOVE
VTR - 3026
± RANDOM



MOCHA ECRU GREY
VTR - 3027
± RANDOM



VITRONA
COLLECTION

MATT CARVING SURFACE

Vitrona Collection's Matt Carving surface, as the name suggests, adds precise negative reliefs on matt surfaces imbuing it with a sense of depth and dimension. The carving effect is sparingly applied in intricate and subtle patterns to evoke visual and tactile curiosity. The enhanced depth and shine add dynamism to your space bringing it to life.

FEATURES



Distinct
Touch & Feel



Scratch
Resistance



Minimal
Maintenance

APPLICATIONS



Residential
Wall



Residential
Floor



Bathroom
Wall



Bathroom
Floor



Balcony &
Terrace



Kitchen
Wall



Kitchen
Floor



Commercial
Area



Façade



Wall : ALCORA PEACH
Floor : KEON GREY

Size | Surface | Thickness
600x1200mm | Matt Carving | 8.5mm



ALCORA PEACH
VTR - 5003

* RANDOM



KEON GREY
VTR - 5006

* RANDOM



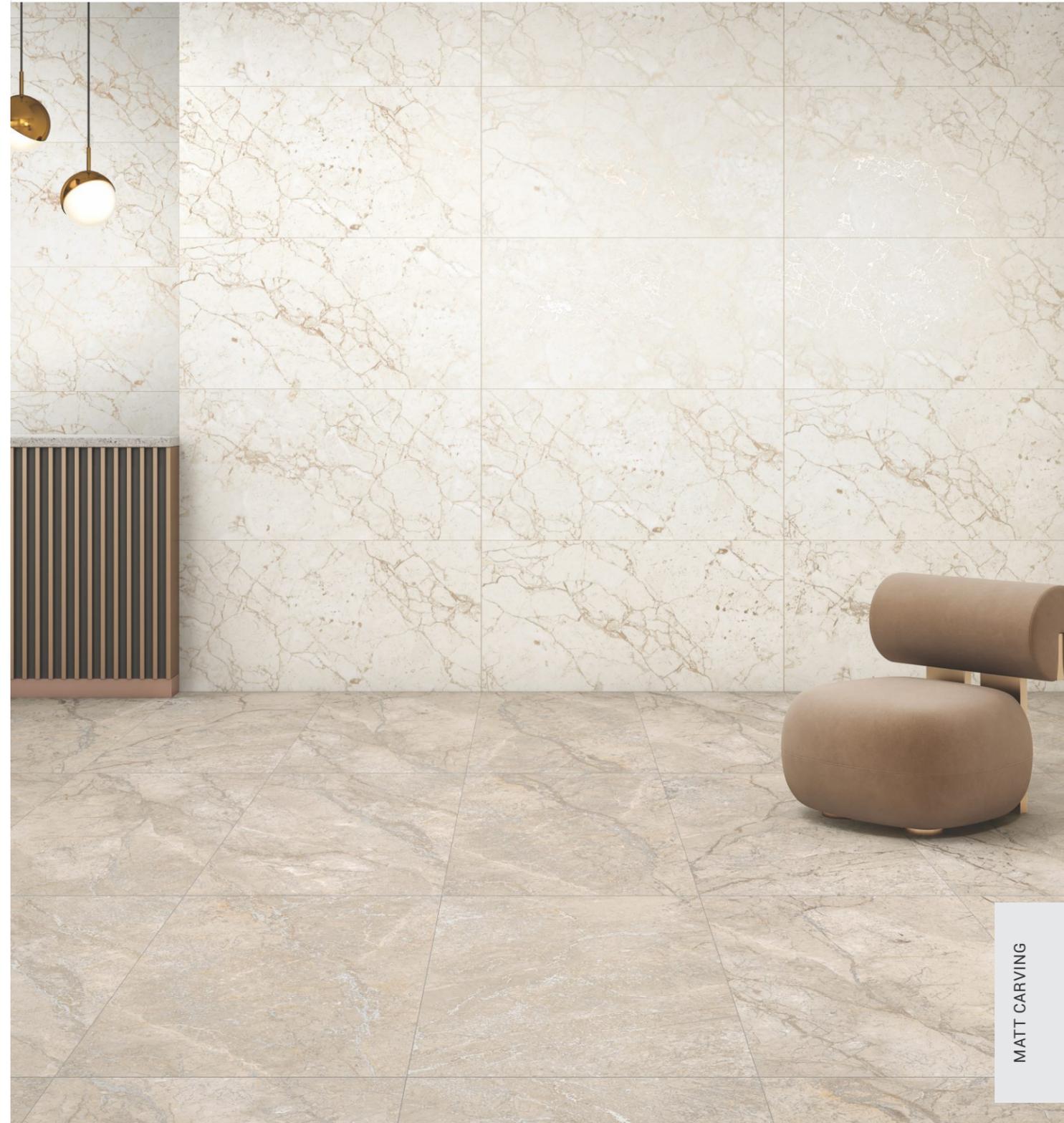
BRECIA PEACH
VTR - 5001

* RANDOM



ALBA LUMINOSA
VTR - 5002

* RANDOM



Wall : BRECIA PEACH
Floor : ALBA LUMINOSA

MATT CARVING



Wall : BELLAGIO NATURALE & VIOLA SILK
Floor : VIOLA SILK



Wall : AURABI
Floor : AVLON GOLD

VITRONA
COLLECTION

Size
600x1200mm

Surface
Matt Carving

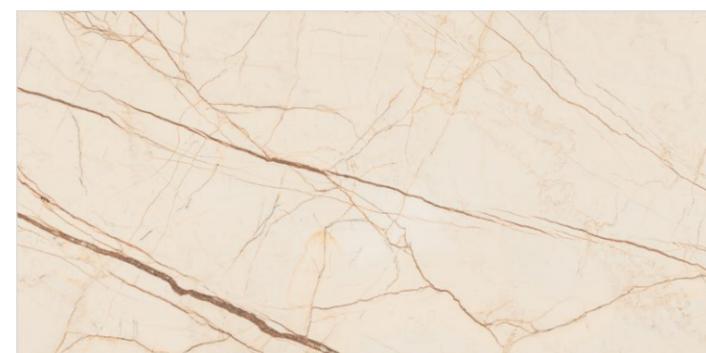
Thickness
8.5mm



BELLAGIO NATURALE
VTR - 5005
∞ RANDOM



VIOLA SILK
VTR - 5004
∞ RANDOM



AURABI
VTR - 5007
∞ RANDOM



AVLON GOLD
VTR - 5008
∞ RANDOM



MATT CARVING

* ∞ Random - Tile has multiple variations of the same design

Size | Surface | Thickness
600x1200mm | Matt Carving | 8.5mm



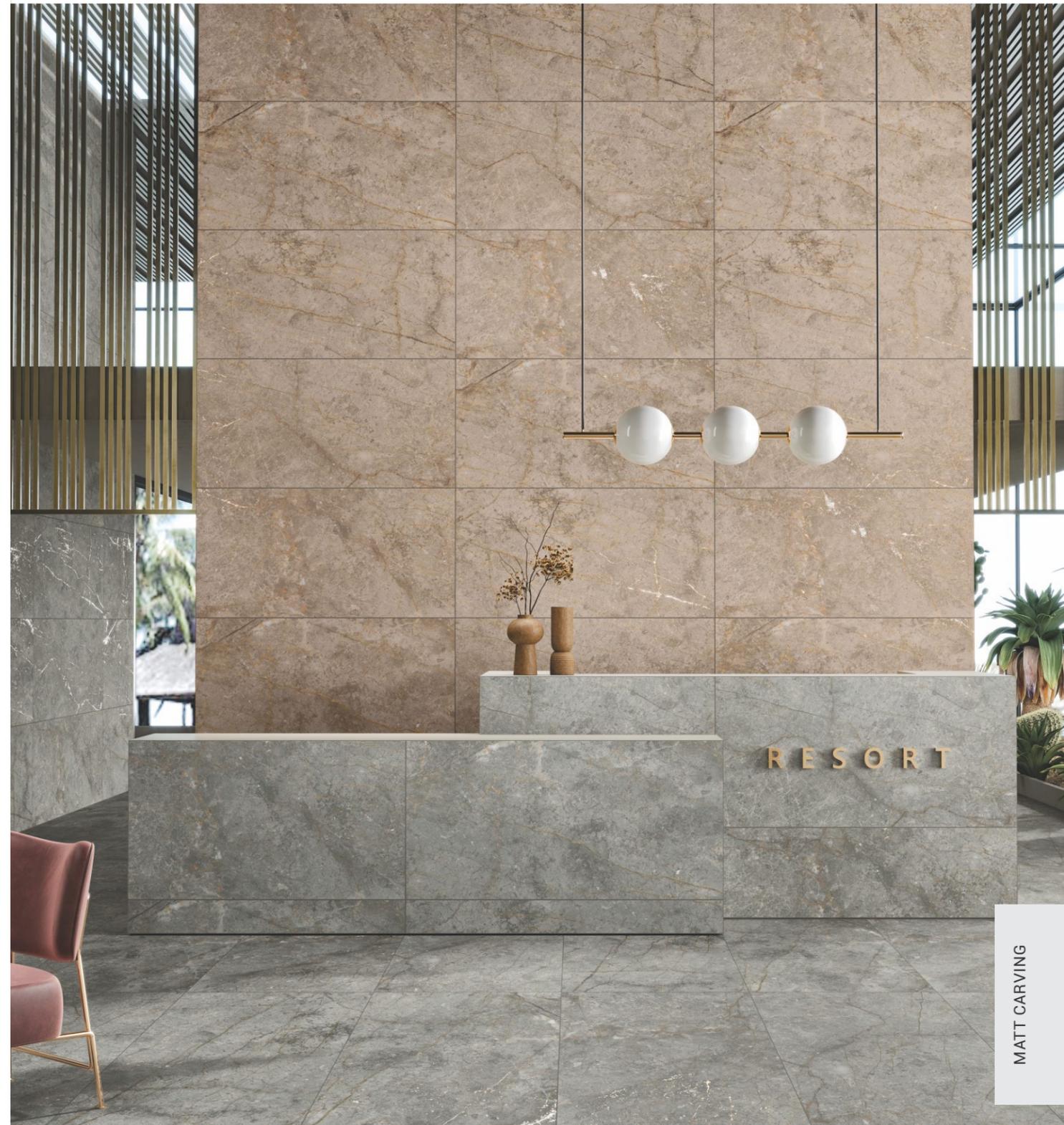
BAGLIO BROWN
VTR - 5009

✂ RANDOM



BAGLIO NERO
VTR - 5010

✂ RANDOM



MATT CARVING

Wall : BAGLIO BROWN & BAGLIO NERO
Floor : BAGLIO NERO

TECHNICAL SPECIFICATIONS



VITRONA - MATT

CHARACTERISTIC	UNITS	STANDARD AS PER NS 617:2082 Gr.B Ia & IS 15622:2017 Gr.B Ia	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.B Ia	MEAN VALUE OF LAMINAR	TESTING METHODS
REGULATORY PROPERTIES					
Deviation in Length and Width	mm	± 0.30% (±1.0MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Deviation in Thickness	mm	± 5.0% (±0.5MM)	± 5.0%	± 5.0%	NS 618:2082-1/ISO-10545-2
Straightness in Side	mm	± 0.30% (±0.8MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Rectangularity	mm	± 0.30% (±1.5MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Flatness Central Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Warpage	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Quality	-	95% defects Free	95% defects Free	95% defects Free	NS 618:2082-1/ISO-10545-2
Glossiness - Matt	-	As per Manufacturer	As per Manufacturer	≤15	GLOSS METER 60°
STRUCTURAL PROPERTIES					
Water Absorption	%	Ev≤ 0.5%	Ev≤ 0.08%	Ev≤ 0.08%	NS 618:2082-2/ISO-10545-3
Bulk Density	Gm/Cc	2.2 Min	2.2	≥2.25	NS 618:2082-2/ISO-10545-3
MECHANICAL PROPERTIES					
Modulus of Rupture	N/mm ²	Min 35.0 N/mm ²	Min 35.0 N/mm ²	Min 38.0 N/mm ²	NS 618:2082-6/ISO-10545-4
Breaking Strength ≥ 8.5mm	N	Min 1300.0 N	Min 1300.0 N	Min 1700.0 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
MOH'S Hardness #	-	As per Manufacturer	Min. 5	Min. 5	NS 618:2082-13/BS EN 15771
Surface Abrasion Resistance	Class	As per Manufacturer	As per Manufacturer	Min Class II	NS 618:2082-11/ISO-10545-71
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Max 0.02mm/m	NS 618:2082-3/ISO-10545-10
Thermal expansions (COE) at 100°C	x10 ⁻⁷	As per Manufacturer	Max 6x10 ⁻⁶	Max 6x10 ⁻⁶	NS 618:2082-4/ISO-10545-8
Thermal Shock Resistance	Cycles	Min 10 Cycles	Min 10 Cycles	Min 10 Cycles	NS 618:2082-5/ISO-10545-9
Impact resistance (COR) #	-	Min 0.55	Min 0.55	Min 0.6	NS 618:2082-14/ISO-10545-5
Crazing Resistance	-	As per Manufacturer	4 - Cycles	5 - Cycles	NS 618:2082-9/ISO-10545-11
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining glazed	Class	Min class 3	Min Class 1	Min Class - 4 / Min Class - 1	NS 618:2082-8/ISO-10545-14
Resistance house hold chemical & swimming pool salts glazed	Class	Min Class GB	Min Class AA	Min Class GA / Min Class AA	NS 618:2082-8/ISO-10545-13
Resistance to low concentration Acids and alkali acids	Class	As per Manufacturer	As per Manufacturer	Min Class GLB* / Min Class AA*	NS 618:2082-8/ISO-10545-13
Resistance to high concentrate acids and alkalis Acids	Class	As per Manufacturer	As per Manufacturer	Min Class GHB* / Min Class A*	NS 618:2082-8/ISO-10545-13
SAFETY PROPERTIES					
Skid resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	Min 0.20	IS 18433-1/ISO 10545-17

* Excepts Hydrofluoric Acid Its Compounds.
For Floor Tiles , As per Customer Requirements.

PACKING DETAILS

Sizes	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter
600x600mm	8.5mm	4 pcs	1.44 Square meter

VITRONA - MATT CARVING



CHARACTERISTIC	UNITS	STANDARD AS PER NS 617:2082 Gr.B Ia & IS 15622:2017 Gr.B Ia	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.B Ia	MEAN VALUE OF LAMINAR	TESTING METHODS
REGULATORY PROPERTIES					
Deviation in Length and Width	mm	± 0.30% (±1.0MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Deviation in Thickness	mm	± 5.0% (±0.5MM)	± 5.0%	± 5.0%	NS 618:2082-1/ISO-10545-2
Straightness in Side	mm	± 0.30% (±0.8MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Rectangularity	mm	± 0.30% (±1.5MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Flatness Central Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Warpage	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Quality	-	95% defects Free	95% defects Free	95% defects Free	NS 618:2082-1/ISO-10545-2
Glossiness - Matt	-	As per Manufacturer	As per Manufacturer	≤15	GLOSS METER 60°
STRUCTURAL PROPERTIES					
Water Absorption	%	Ev≤ 0.5%	Ev≤ 0.08%	Ev≤ 0.08%	NS 618:2082-2/ISO-10545-3
Bulk Density	Gm/Cc	2.2 Min	2.2	≥2.25	NS 618:2082-2/ISO-10545-3
MECHANICAL PROPERTIES					
Modulus of Rupture	N/mm ²	Min 35.0 N/mm ²	Min 35.0 N/mm ²	Min 38.0 N/mm ²	NS 618:2082-6/ISO-10545-4
Breaking Strength ≥ 8.5mm	N	Min 1300.0 N	Min 1300.0 N	Min 1700.0 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
MOH'S Hardness #	-	As per Manufacturer	Min. 5	Min. 5	NS 618:2082-13/BS EN 15771
Surface Abrasion Resistance	Class	As per Manufacturer	As per Manufacturer	Min Class II	NS 618:2082-11/ISO-10545-71
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Max 0.02mm/m	NS 618:2082-3/ISO-10545-10
Thermal expansions (COE) at 100°C	x10 ⁻⁷	As per Manufacturer	Max 6x10 ⁻⁶	Max 6x10 ⁻⁶	NS 618:2082-4/ISO-10545-8
Thermal Shock Resistance	Cycles	Min 10 Cycles	Min 10 Cycles	Min 10 Cycles	NS 618:2082-5/ISO-10545-9
Impact resistance (COR) #	-	Min 0.55	Min 0.55	Min 0.6	NS 618:2082-14/ISO-10545-5
Crazing Resistance	-	As per Manufacturer	4 - Cycles	5 - Cycles	NS 618:2082-9/ISO-10545-11
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining glazed	Class	Min class 3	Min Class 1	Min Class - 4 / Min Class - 1	NS 618:2082-8/ISO-10545-14
Resistance house hold chemical & swimming pool salts glazed	Class	Min Class GB	Min Class AA	Min Class GA / Min Class AA	NS 618:2082-8/ISO-10545-13
Resistance to low concentration Acids and alkali acids	Class	As per Manufacturer	As per Manufacturer	Min Class GLB* / Min Class AA*	NS 618:2082-8/ISO-10545-13
Resistance to high concentrate acids and alkalis Acids	Class	As per Manufacturer	As per Manufacturer	Min Class GHB* / Min Class A*	NS 618:2082-8/ISO-10545-13
SAFETY PROPERTIES					
Skid resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	Min 0.20	IS 18433-1/ISO 10545-17

* Excepts Hydrofluoric Acid Its Compounds.
For Floor Tiles , As per Customer Requirements.

PACKING DETAILS

Sizes	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter
600x600mm	8.5mm	4 pcs	1.44 Square meter

TECHNICAL SPECIFICATIONS



VITRONA - GLOSSY

CHARACTERISTIC	UNITS	STANDARD AS PER NS 617:2082 Gr.B Ia & IS 15622:2017 Gr.B Ia	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.B Ia	MEAN VALUE OF LAMINAR	TESTING METHODS
REGULATORY PROPERTIES					
Deviation in Length and Width	mm	± 0.30% (±1.0MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Deviation in Thickness	mm	± 5.0% (±0.5MM)	± 5.0%	± 5.0%	NS 618:2082-1/ISO-10545-2
Straightness in Side	mm	± 0.30% (±0.8MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Rectangularity	mm	± 0.30% (±1.5MM)	± 0.10%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Flatness Central Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Curvature	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.20%	NS 618:2082-1/ISO-10545-2
Surface Flatness Edge Warpage	mm	± 0.40% (±1.8MM)	± 0.50%	± 0.10%	NS 618:2082-1/ISO-10545-2
Surface Quality	-	95% defects Free	95% defects Free	95% defects Free	NS 618:2082-1/ISO-10545-2
Glossiness - Glossy	-	As per Manufacturer	As per Manufacturer	Min. 90°	GLOSS METER 60°
STRUCTURAL PROPERTIES					
Water Absorption	%	Ev≤ 0.5%	Ev≤ 0.08%	Ev≤ 0.08%	NS 618:2082-2/ISO-10545-3
Bulk Density	Gm/Cc	2.2 Min	2.2	≥2.25	NS 618:2082-2/ISO-10545-3
MECHANICAL PROPERTIES					
Modulus of Rupture	N/mm ²	Min 35.0 N/mm ²	Min 35.0 N/mm ²	Min 38.0 N/mm ²	NS 618:2082-6/ISO-10545-4
Breaking Strength ≥ 8.5mm	N	Min 1300.0 N	Min 1300.0 N	Min 1700.0 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
Surface Abrasion Resistance	Class	As per Manufacturer	As per Manufacturer	Min Class II - Max Class III	NS 618:2082-11/ISO-10545-71
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Max 0.02mm/m	NS 618:2082-3/ISO-10545-10
Thermal expansions (COE) at 100°C	x10 ⁻⁶	As per Manufacturer	Max 6x10 ⁻⁶	Max 6x10 ⁻⁶	NS 618:2082-4/ISO-10545-8
Thermal Shock Resistance	Cycles	Min 10 Cycles	Min 10 Cycles	Min 10 Cycles	NS 618:2082-5/ISO-10545-9
Impact resistance (COR) #	-	Min 0.55	Min 0.55	Min 0.6	NS 618:2082-14/ISO-10545-5
Crazing Resistance	-	As per Manufacturer	4 - Cycles	5 - Cycles	NS 618:2082-9/ISO-10545-11
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining glazed	Class	Min class 3	Min Class 1	Min Class - 4 / Min Class - 1	NS 618:2082-8/ISO-10545-14
Resistance house hold chemical & swimming pool salts glazed	Class	Min Class GB	Min Class AA	Min Class GB / Min Class AA	NS 618:2082-8/ISO-10545-13
Resistance to low concentration Acids and alkali acids	Class	As per Manufacturer	As per Manufacturer	Min Class GLB* / Min Class AA*	NS 618:2082-8/ISO-10545-13
Resistance to high concentrate acids and alkalis Acids	Class	As per Manufacturer	As per Manufacturer	Min Class GHB* / Min Class B*	NS 618:2082-8/ISO-10545-13
SAFETY PROPERTIES					
Skid resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	Min 0.20	IS 18433-1/ISO 10545-17

* Excepts Hydrofluoric Acid Its Compounds.
For Floor Tiles , As per Customer Requirements.

PACKING DETAILS

Sizes	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter
600x600mm	8.5mm	4 pcs	1.44 Square meter

 **LAMINAR**
Vitrified Tiles



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Lumbini Ceramics Limited
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Google Plus Code: P87C+99 Kathmandu

Laminar Experience Centre:

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Google Plus Code: P89F+2MQ Kathmandu

Factory & Laminar Exhibition Centre:

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