



LAMINAR

Vitrified Tiles



Monolith
DIGITAL FULLBODY COLLECTION

600x1200mm

Experience Engineered
Nature





LAMINAR
Vitrified Tiles

INTRODUCING THE **MONOLITH** COLLECTION

5

SERIES
Limestone
Sand
Ash
Slate
Obsidian

3

SURFACES
Matt Carving
Granular Matt
Grit Textura

1

SIZE
600x1200mm

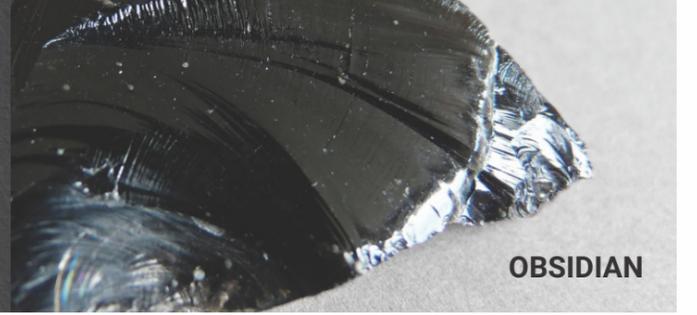
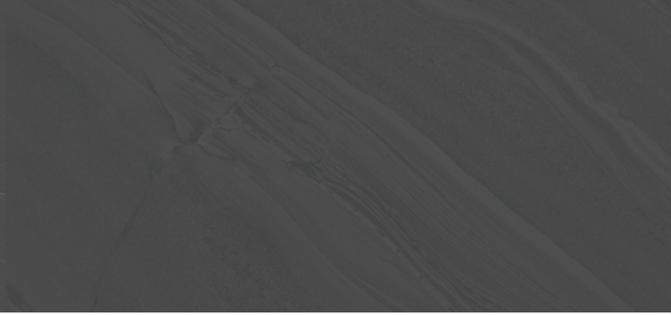
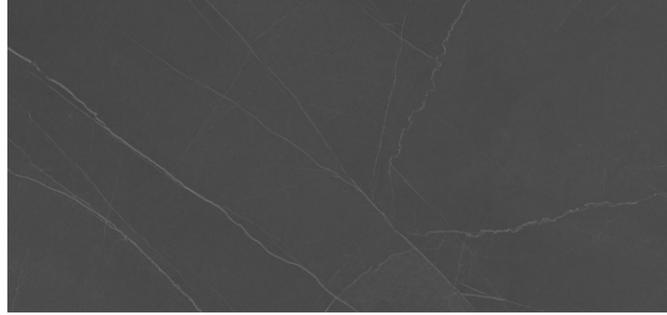
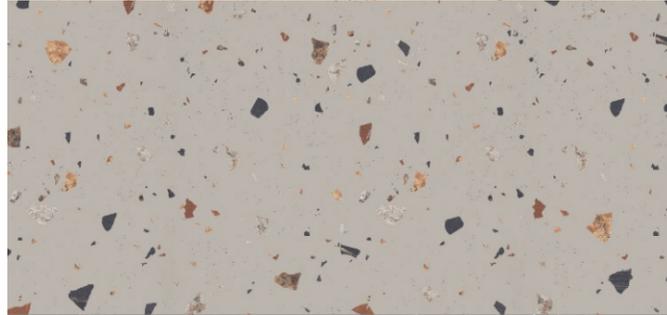
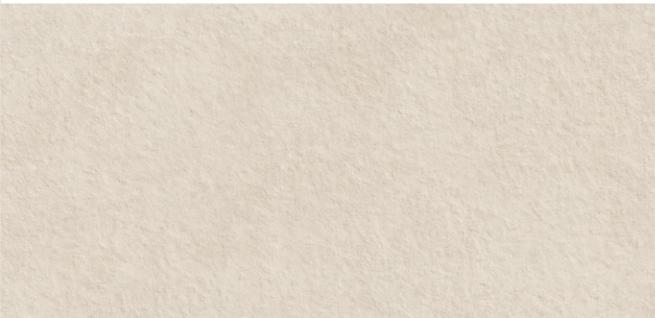
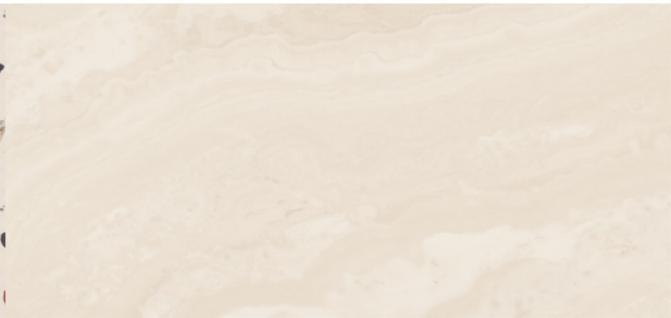
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THICKNESS
8.5mm

MATT CARVING

GRANULAR MATT

GRIT TEXTURA



INTRODUCING THE MONOLITH COLLECTION

Monolith is defined by material integrity and architectural clarity. Built as a single, resilient mass, it brings together the strength of full-body vitrification with the expressive precision of digital design—creating surfaces that are as enduring as they are refined.

Inspired by elemental landscapes—Limestone, Sand, Ash, Slate, and Obsidian—each tile carries its character through the entire body. This homogenous construction delivers superior resistance to chipping, abrasion, and surface fatigue, making Monolith a natural choice for high-footfall residential and commercial environments.

Monolith unites expressive digital design with full-body strength. By embedding refined, nature-inspired visuals into a dense, homogenous structure, the collection creates spaces that remain visually composed even under continuous use.

The collection is offered across three thoughtfully engineered surfaces, each designed to harmonize function and form within a unified architectural language:

Granular Matt

A refined matte surface with subtle grain, offering visual calm, high wear resistance, and everyday comfort underfoot.

Matt Carving

A carved matte surface that introduces depth, texture, and architectural character.

Grit Textura

A structured surface engineered for enhanced grip and tactile confidence, ideal for demanding, high-traffic zones.

Wear & Tear Resistance
PEI V Rating

Scratch Resistance
6+ Moh's Hardness

Slip Resistance
R9 Ramp Test

RANGE OF POSSIBLE APPLICATIONS



Residential



Commercial
Building



Hospital



Airport



High Traffic
Spaces



Hotel, Café &
Restaurant



Industries



School &
College



Decorative
Wall

FEATURES



Wear & Tear
Proof



Scratch
Resistant



Easy to
Clean



Impact
Resistant



Stain
Resistant



Anti
Skid



TEXTURE





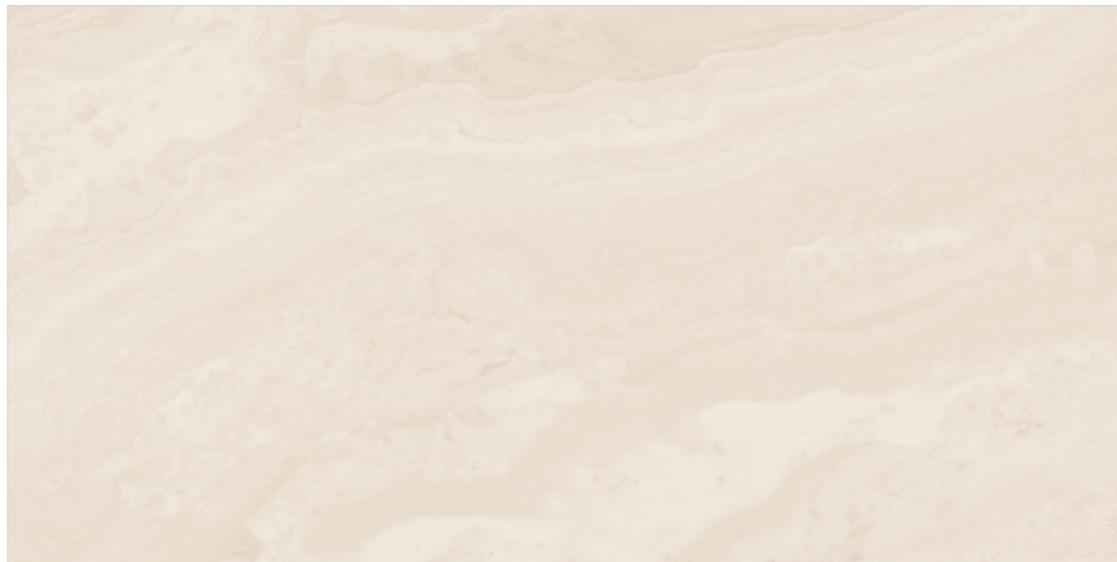
Wall: GRANILIA LIME & STRATO LIME
Floor: STRATO LIME

Limestone

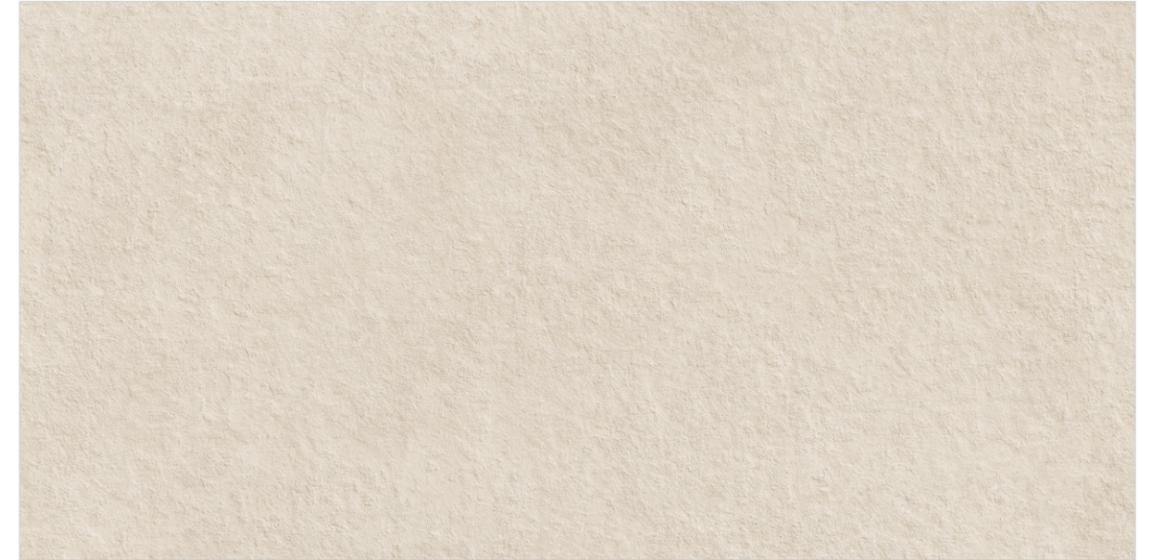
Size | Surfaces | Thickness
600x1200mm | Matt Carving | Granular Matt | Grit Textura | 8.5mm



GRANILIA LIME
600x1200mm | Matt Carving



STRATO LIME
600x1200mm | Granular Matt

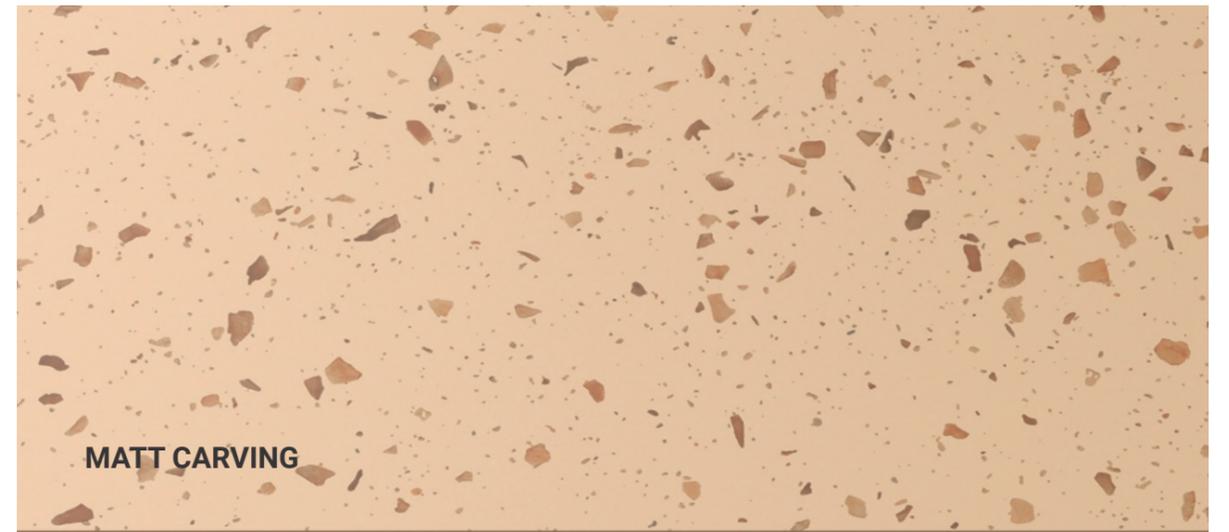


CONCRETO LIME
600x1200mm | Grit Textura

Limestone



TEXTURE





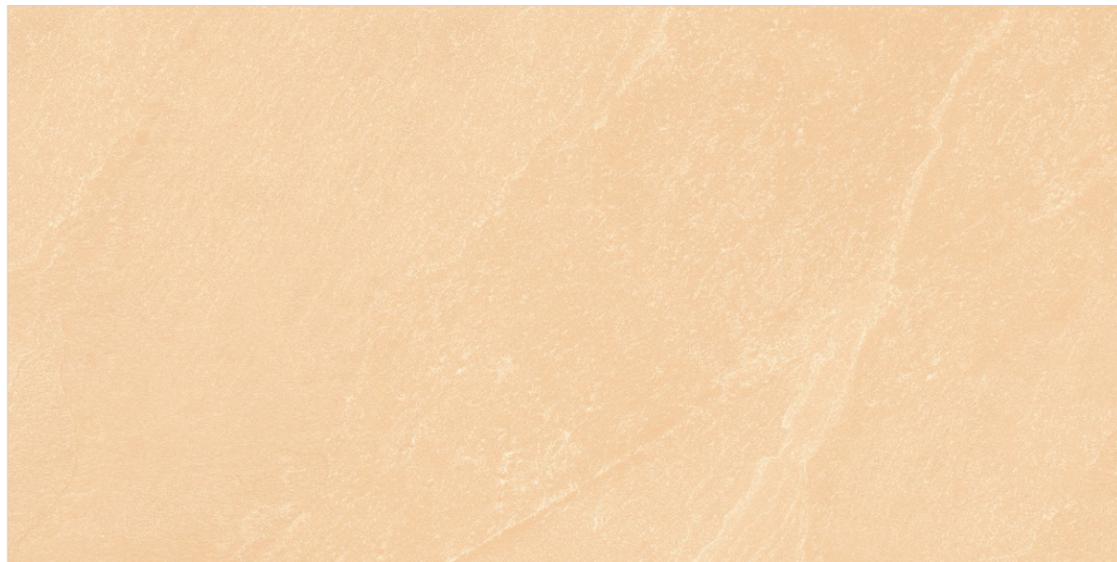
Sand

Wall: CONCRETO BEIGE
Floor: SCAVO BEIGE

Size | Surfaces | Thickness
600x1200mm | Matt Carving | Granular Matt | Grit Textura | 8.5mm



CAMPO BEIGE
600x1200mm | Matt Carving



SCAVO BEIGE
600x1200mm | Granular Matt



CONCRETO BEIGE
600x1200mm | Grit Textura

Sand



TEXTURE

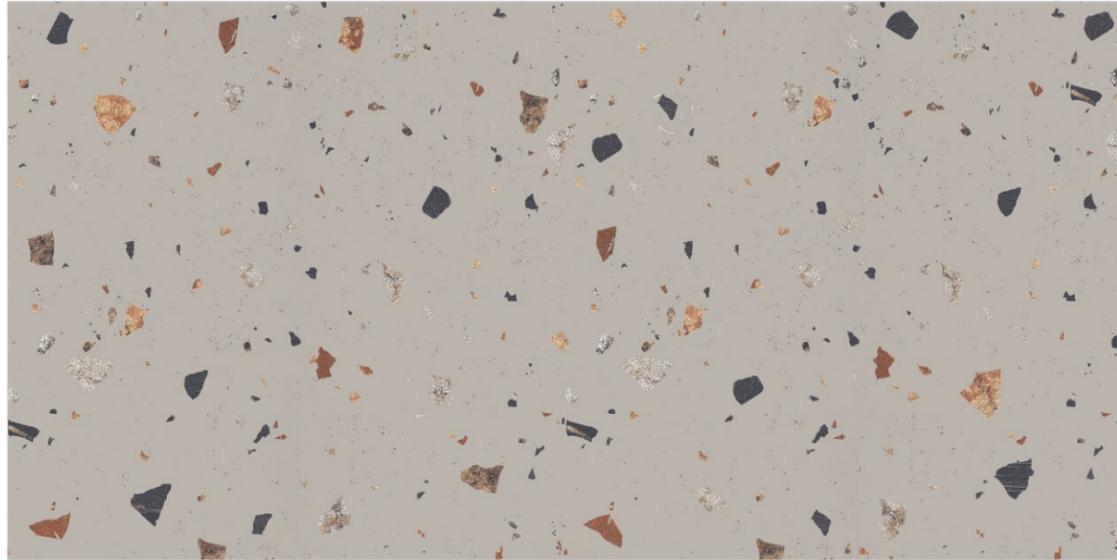




Ash

Wall: GRANILIA GRISS & CONCRETO GRISS
Floor: LITOS GRISS

Size | Surfaces | Thickness
600x1200mm | Matt Carving | Granular Matt | Grit Textura | 8.5mm



GRANILIA GRISS
600x1200mm | Matt Carving



LITOS GRISS
600x1200mm | Granular Matt



CONCRETO GRISS
600x1200mm | Grit Textura

Ash



TEXTURE





Slate

Wall: CONCRETO GRIGIO
Floor: LAPIS GRIGIO

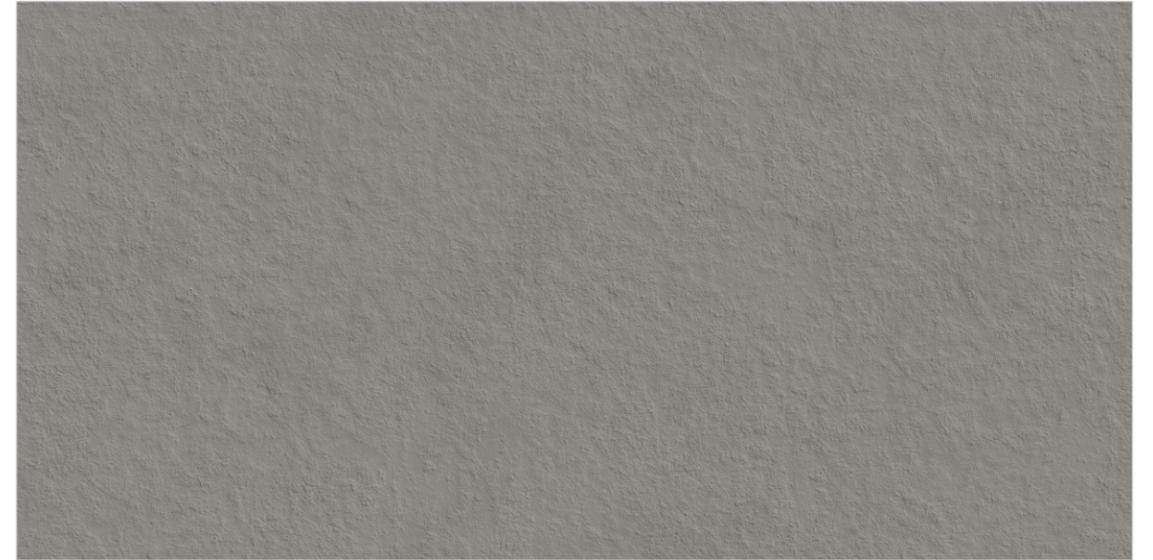
Size | Surfaces | Thickness
600x1200mm | Matt Carving | Granular Matt | Grit Textura | 8.5mm



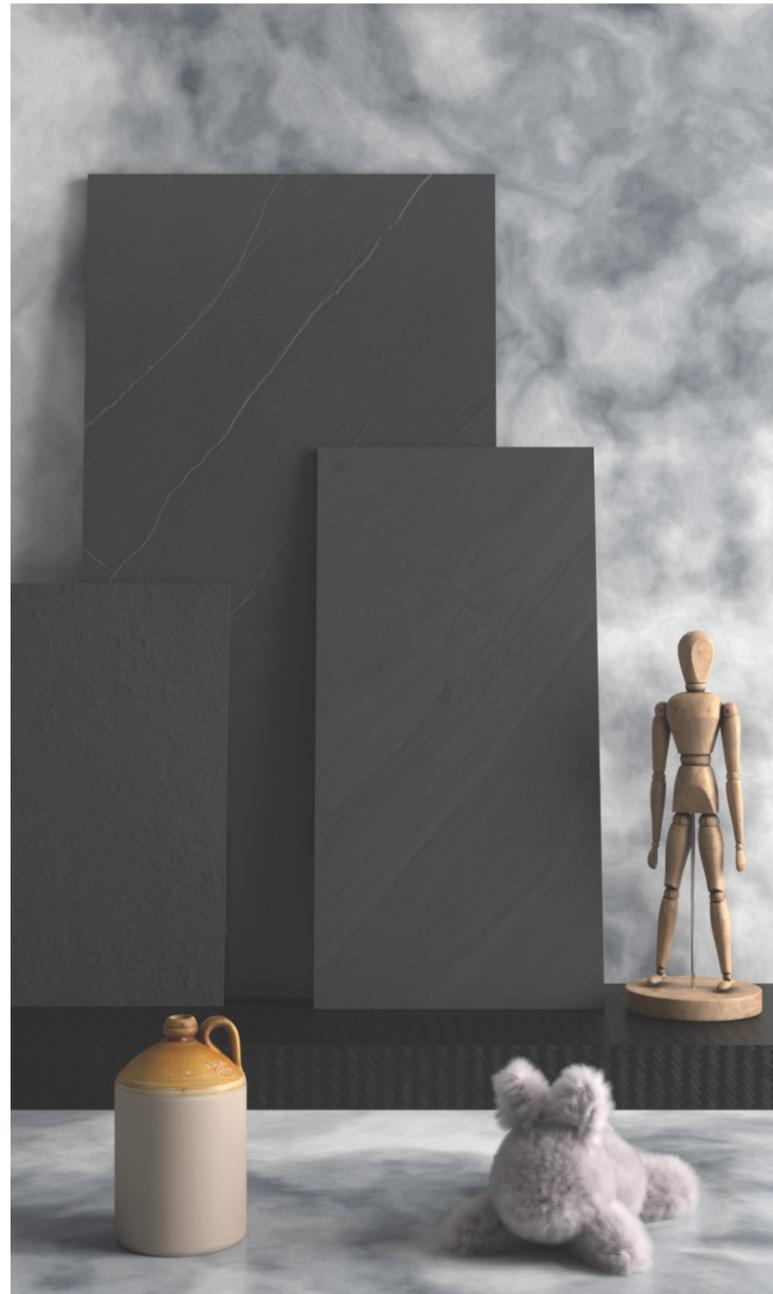
VENTURA GRIGIO
600x1200mm | Matt Carving



LAPIS GRIGIO
600x1200mm | Granular Matt



CONCRETO GRIGIO
600x1200mm | Grit Textura



TEXTURE

MATT CARVING

GRANULAR MATT

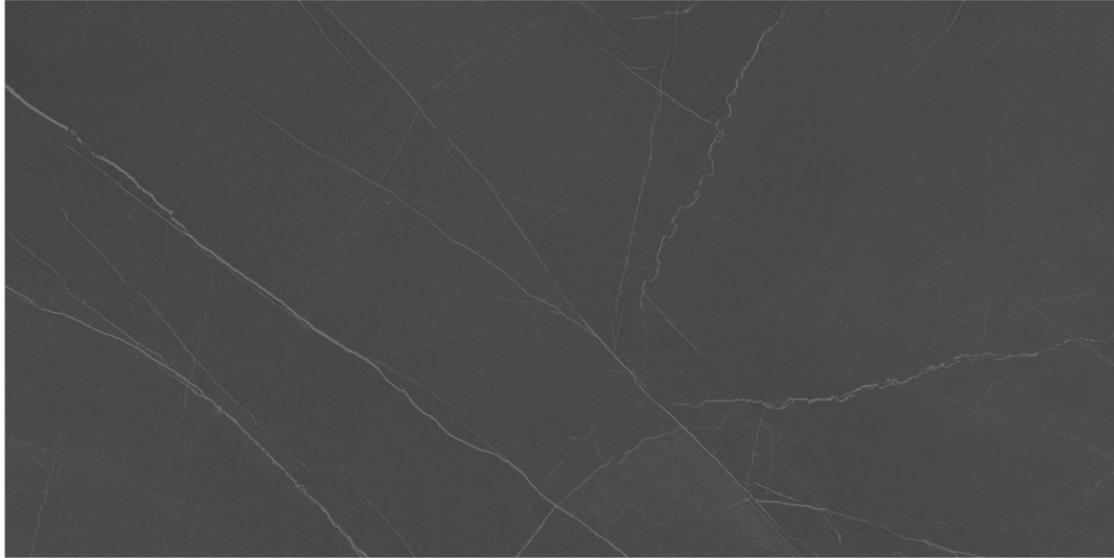
GRIT TEXTURA



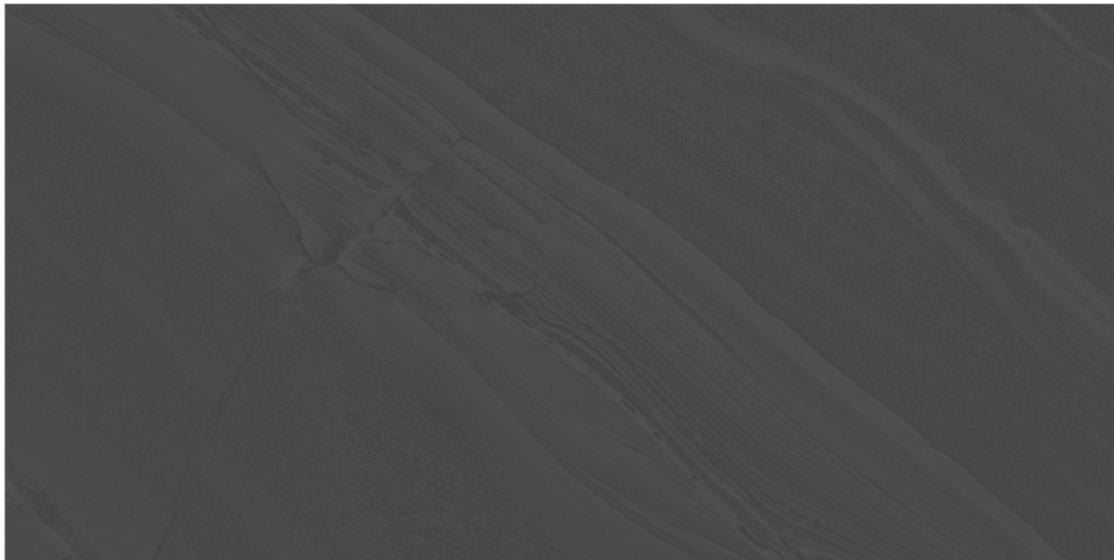
Obsidian

Wall: TEMPESTA NERO & ROVINE NERO
Floor: OCEANO NERO

Size | Surfaces | Thickness
600x1200mm | Matt Carving | Granular Matt | Grit Textura | 8.5mm



TEMPESTA NERO
600x1200mm | Matt Carving



OCEANO NERO
600x1200mm | Granular Matt



ROVINE NERO
600x1200mm | Grit Textura

Obsidian

TECHNICAL SPECIFICATIONS



MONOLITH - GRANULAR MATT

CHARACTERISTICS	UNITS	STANDARD AS PER NS 617:2082 Gr.Bla & IS 15622:2017 Gr.Bla	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.Bla	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	3 ≤ Glossy Value ≤ 5	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 -8.5mm	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	N	Min. 1300.0 N	Min. 1300.0 N	Min. 1700 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
MOH'S Hardness #	-	As per Manufacturer	As per Manufacturer	Min. 6 - Max 8	NS 618:2082-13/BS EN 15771
Deep Abrasion Resistance	mm ³	175mm ³	140mm ³	130 mm ³	NS 618:2082-12/ISO-10545-6
Surface Abrasion	Class	Min. Class 2	Min. Class 2	Min. Class 4 & Max. Class 5	NS 618:2082-11/ISO-10545-7
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Nil	NS 618:2082-3/ISO-10545-10
Thermal Expansion (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
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining Unglazed	Class	As per Manufacturer	Min Class 2	Min Class - 4 / Min Class - 1	NS 618:2082-7/ISO-10545-14
Resistance house hold chemical & swimming pool salts Unglazed	Class	Min Class UB	As per Manufacturer	Min Class UA	NS 618:2082-7/ISO-10545-13
Resistance to low concentration acids and alkali acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class ULA*	NS 618:2082-7/ISO-10545-13
Resistance to high concentration acids and alkalis acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class UHA*	NS 618:2082-7/ISO-10545-13
SAFETY PROPERTIES					
Skid Resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	R-9	IS 18433-1/ISO-10545-17

* Excepts Hydrofluoric Acid and Its Compounds."
For Floor Tiles: As per Customer Requirements.

PACKING DETAILS

Size	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter

TECHNICAL SPECIFICATIONS



MONOLITH - MATT CARVING

CHARACTERISTICS	UNITS	STANDARD AS PER NS 617:2082 Gr.Bla & IS 15622:2017 Gr.Bla	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.Bla	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	12 ≤ Glossy Value ≤ 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 -8.5mm	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	N	Min. 1300.0 N	Min. 1300.0 N	Min. 1700 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
MOH'S Hardness #	-	As per Manufacturer	As per Manufacturer	Min. 5 - Max 7	NS 618:2082-13/BS EN 15771
Deep Abrasion Resistance	mm ³	175mm ³	140mm ³	130 mm ³	NS 618:2082-12/ISO-10545-6
Surface Abrasion	Class	Min. Class 2	Min. Class 2	Min. Class 3 & Max. Class 4	NS 618:2082-11/ISO-10545-7
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Nil	NS 618:2082-3/ISO-10545-10
Thermal Expansion (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
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining Unglazed	Class	As per Manufacturer	Min Class 2	Min Class - 4 / Min Class - 1	NS 618:2082-7/ISO-10545-14
Resistance house hold chemical & swimming pool salts Unglazed	Class	Min Class UB	As per Manufacturer	Min Class UA	NS 618:2082-7/ISO-10545-13
Resistance to low concentration acids and alkali acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class ULA*	NS 618:2082-7/ISO-10545-13
Resistance to high concentration acids and alkalis acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class UHA*	NS 618:2082-7/ISO-10545-13
SAFETY PROPERTIES					
Skid Resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	≥ 0.20	IS 18433-1/ISO-10545-17

* Excepts Hydrofluoric Acid and Its Compounds."
For Floor Tiles: As per Customer Requirements.

PACKING DETAILS

Size	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter

TECHNICAL SPECIFICATIONS



MONOLITH - GRIT TEXTURA

CHARACTERISTICS	UNITS	STANDARD AS PER NS 617:2082 Gr.Bla & IS 15622:2017 Gr.Bla	STANDARD AS PER ISO 13006:2018/ EN14411 Gr.Bla	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	3 ≤ Glossy Value ≤ 5	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 -8.5mm	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	N	Min. 1300.0 N	Min. 1300.0 N	Min. 1700 N	NS 618:2082-6/ISO-10545-4
SURFACE MECHANICAL PROPERTIES					
MOH'S Hardness #	-	As per Manufacturer	As per Manufacturer	Min. 6 - Max 8	NS 618:2082-13/BS EN 15771
Deep Abrasion Resistance	mm ³	175mm ³	140mm ³	130 mm ³	NS 618:2082-12/ISO-10545-6
Surface Abrasion	Class	Min. Class 2	Min. Class 2	Not Applicable	NS 618:2082-11/ISO-10545-7
THERMAL HYDROMETRIC PROPERTIES					
Moisture Expansion	mm/m	Max 0.06% (0.6mm/m)	Max 0.02mm/m	Nil	NS 618:2082-3/ISO-10545-10
Thermal Expansion (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
Frost Resistance	-	As per Manufacturer	As per Manufacturer	Frost Resistance	NS 618:2082-10/ISO-10545-12
CHEMICAL PROPERTIES					
Resistance of staining Unglazed	Class	As per Manufacturer	Min Class 2	Min Class - 4 / Min Class - 1	NS 618:2082-7/ISO-10545-14
Resistance house hold chemical & swimming pool salts Unglazed	Class	Min Class UB	As per Manufacturer	Min Class UA	NS 618:2082-7/ISO-10545-13
Resistance to low concentration acids and alkali acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class ULA*	NS 618:2082-7/ISO-10545-13
Resistance to high concentration acids and alkalis acids Unglazed	Class	As per Manufacturer	As per Manufacturer	Min Class UHA*	NS 618:2082-7/ISO-10545-13
SAFETY PROPERTIES					
Skid Resistance - (DCOF - WET Pendulum)#	-	As per Manufacturer	As per Manufacturer	R-9	IS 18433-1/ISO-10545-17

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For Floor Tiles: As per Customer Requirements.

PACKING DETAILS

Size	Thickness	Pcs / Box	Coverage Area
600x1200mm	8.5mm	2 pcs	1.44 Square meter

 **LAMINAR**
Vitrified Tiles



Corporate Office:

Lumbini Ceramics Limited
4th Floor, Lal Durbar One, Narayanhiti Path,
Durbar Marg, Kathmandu, Nepal.
Google Plus Code: P87C+99 Kathmandu

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Factory & Laminar Exhibition Centre:

Gulariya Nagarpalika-8, Bardiya, Nepal.
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