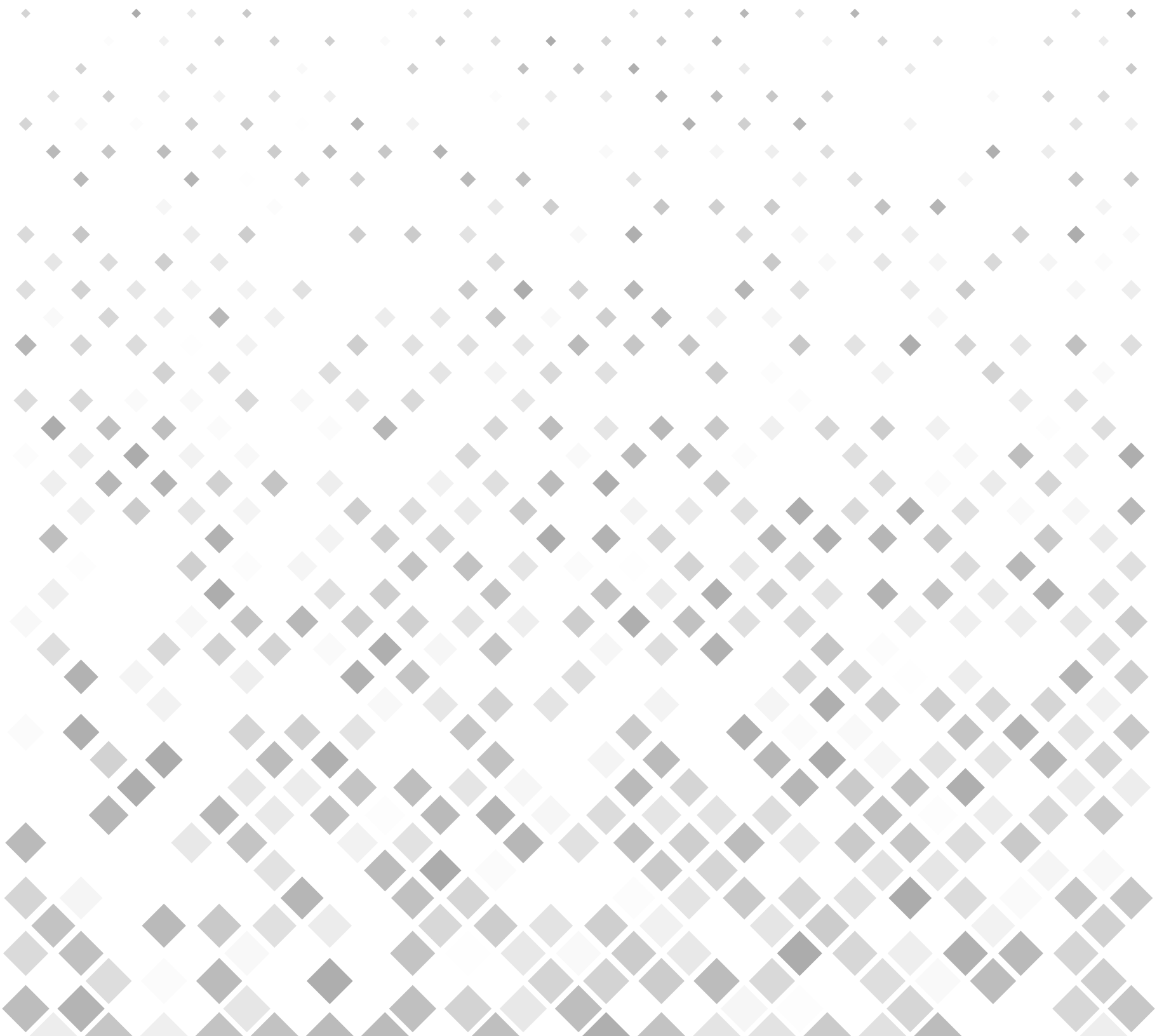


DECO | VITA

GmbH



HDR STONE R10 60X120

	ARGILLE WHITE
	CENOVA GREY
	CLAY ANTHRACITE
	CLAY GREY
	CLAY WARM GREY
	CLAY LIGHT GREY
	CLAY TAUPE
	CLAY WHITE
	FIORI SAND
	LIMESTONE IVORY
	PANTHEON NATURAL
	PARISTONE ANTHRACITE
	PARISTONE GREY
	PARISTONE WHITE

MAT R11 60X120

	TRAVERTINO DARK GREY
	TRAVERTINO BEIGE
	VEGAS BEIGE
	VEGAS MOCHA








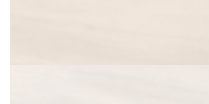





SATIN MAT R10 60X120

	CALACATTA BOLD
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MAT R10 60X120

	METALICA CORTEN GOLD
	MONTPELLIER VINTAGE SAND
	MONTPELLIER VINTAGE BONE
	MONTPELLIER VINTAGE ASH



















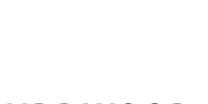
SUGAR EFFECT 60X120

	AITOS GREY
	ALCHEMY BROWN
	MERU
	NICKEL BLUE
	RUST METAL
	SANDY ANTHRACITE
	SANDY GREY
	SANDY IVORY
	SANDY WHITE
	SANDY TAUPE
	SMOKY BLACK
	SMOKY GREY
	TERRE BLACK

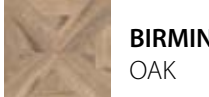
MAT HDR 60X120

	DECO ROCK ANTHRACITE
	DECO ROCK GREY
	DECO ROCK BEIGE

FULL LAPPATO 60X120

	ARGILLE WARM GREY
	ARGILLE WHITE
	CALACATTA GOLD
	CALACATTA ORO
	CALACATTA SUAVE
	CENOVA GREY
	GRIGIO BEIGE
	GRIGIO TAUPE
	GRIGIO BLACK
	MARMO METALLO LIGHT GREY
	MARMO METALLO GREY
	MARMO METALLO BLUE
	ONYX NOVA LIGHT BLUE
	ONYX NOVA GREEN
	ONYX NOVA LIGHT GREEN
	ONYX NOVA LIGHT GREY
	SYDNEY ANTHRACITE
	SYDNEY BROWN
	SYDNEY GREEN

HDR WOOD 60X60

	BIRMINGHAM OAK
---	--------------------------

60X120
SUGAR EFFECT

3 Artikel Nummer 309060509

AITOS GREY

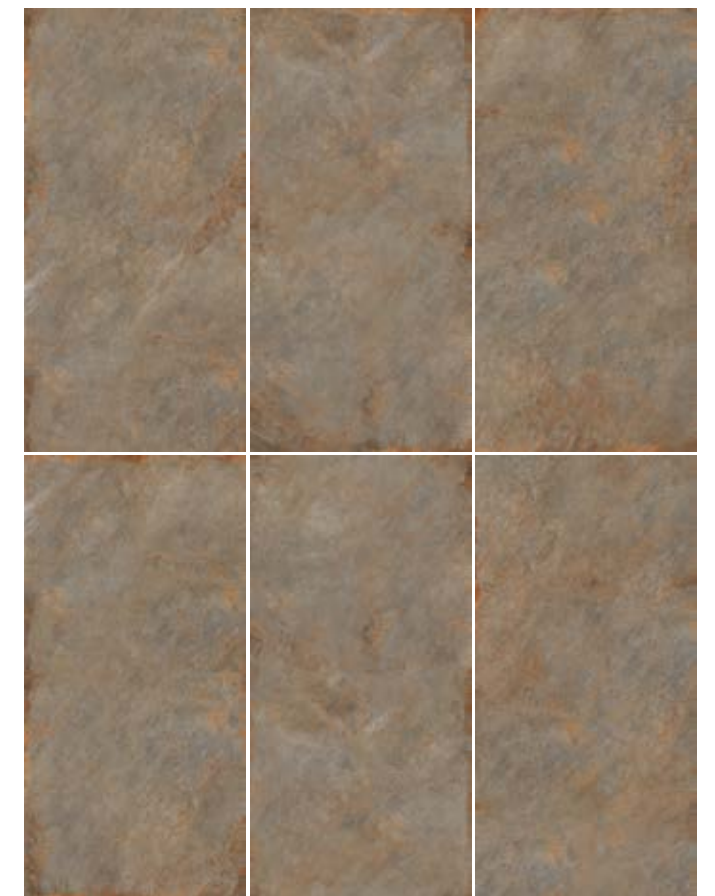


9mm Thickness

60X120
SUGAR EFFECT

Artikel Nummer 309053401 6

ALCHEMY BROWN



9mm Thickness

60X120
FULL LAPPATO

13 Artikel Nummer 309058263

ARGILLE WARM GREY



9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309058259 13

60X120
HDR STONE

Artikel Nummer 309044310 13

ARGILLE WHITE

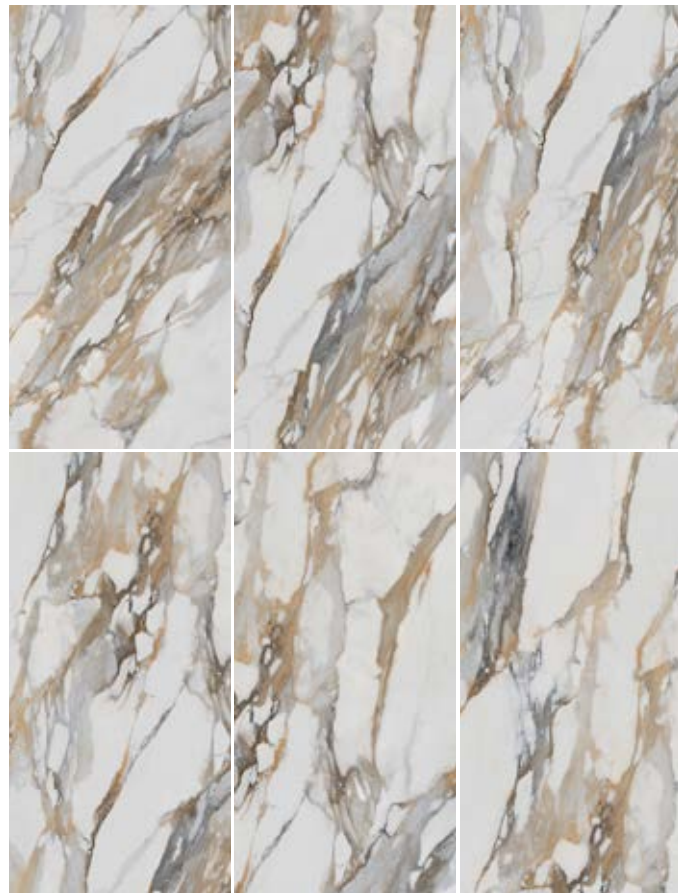


9mm Thickness

60X120
SATIN MAT

6 Artikel Nummer 309014889

CALACATTA BOLD



9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309002550 15

CALACATTA GOLD



9mm Thickness

60X120
FULL LAPPATO

12 Artikel Nummer 309072700

CALACATTA ORO



9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309002500 15

CALACATTA SUAVE



9mm Thickness

60X120
FULL LAPPATO

8 Artikel Nummer 309013909

60X120
HDR STONE

8 Artikel Nummer 309010609

CENOVA GREY



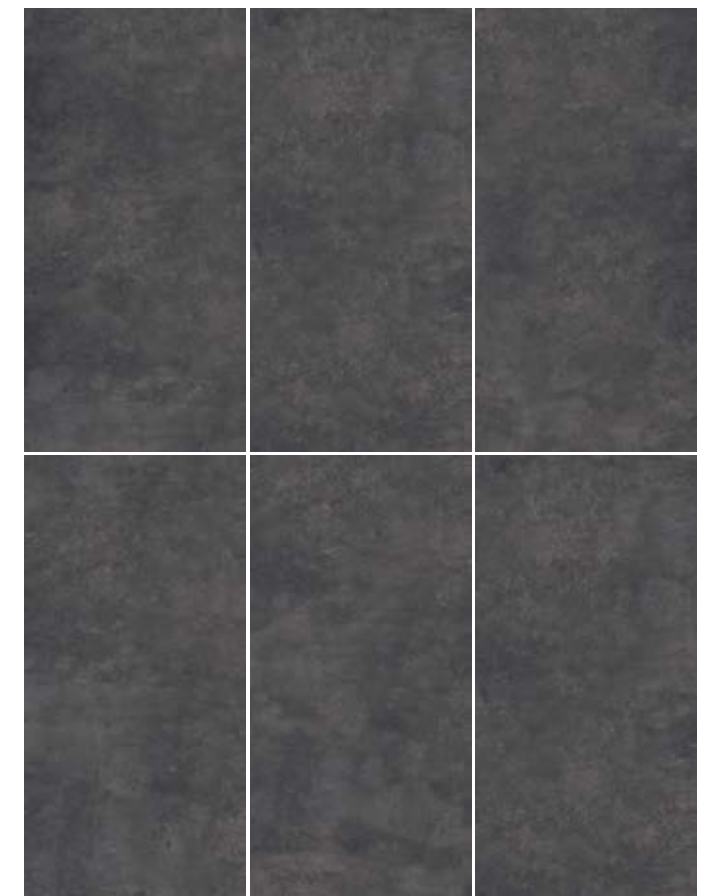
9mm Thickness



60X120
HDR STONE

Artikel Nummer 309027168 5

CLAY ANTHRACITE

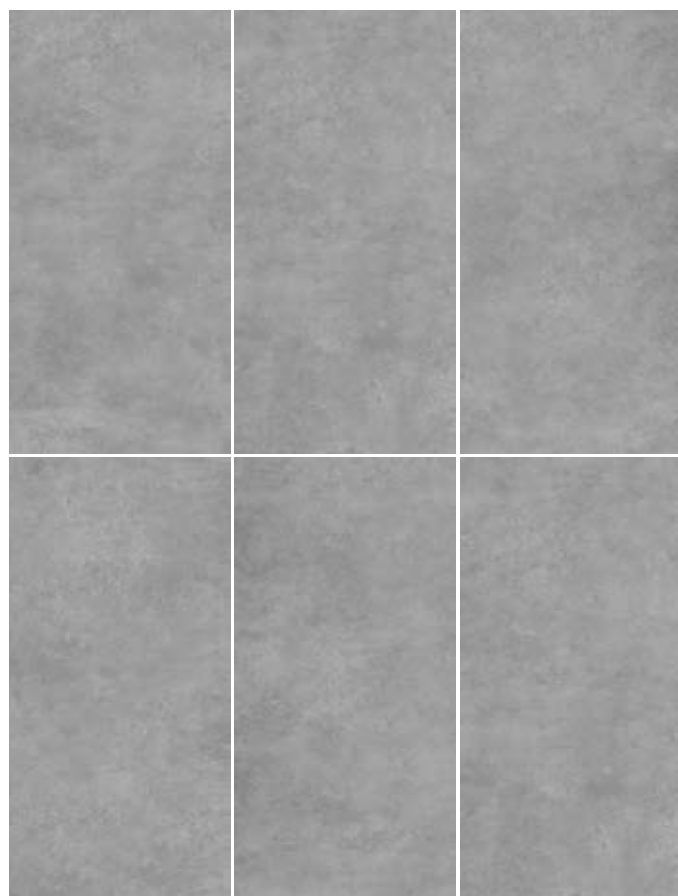


9mm Thickness

60X120
HDR STONE

5 Artikel Nummer 309027109

CLAY
GREY

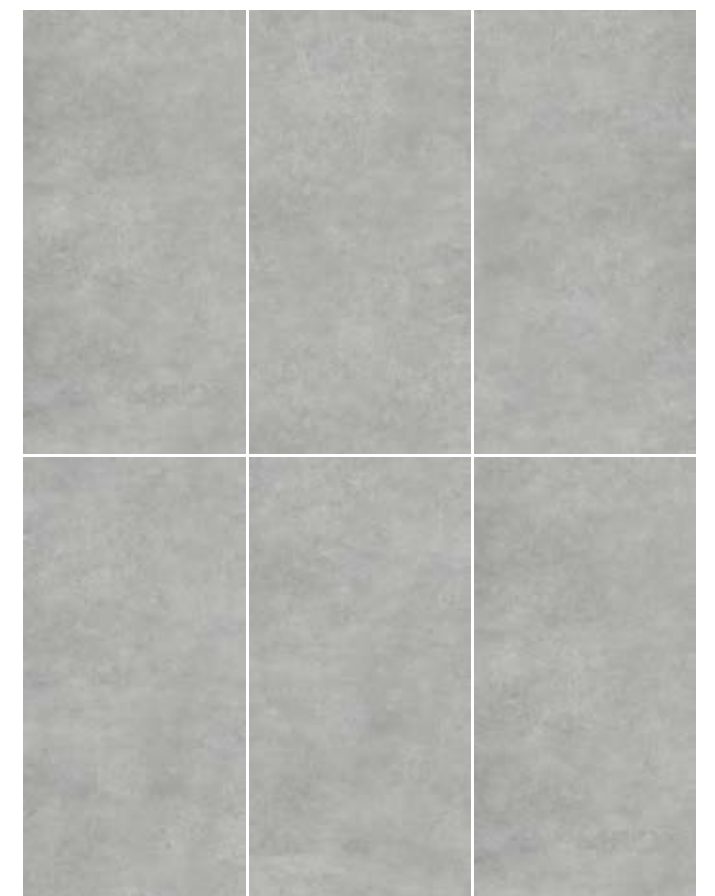


9 mm Thickness

60X120
HDR STONE

Artikel Nummer 309027123 5

CLAY
WARM GREY

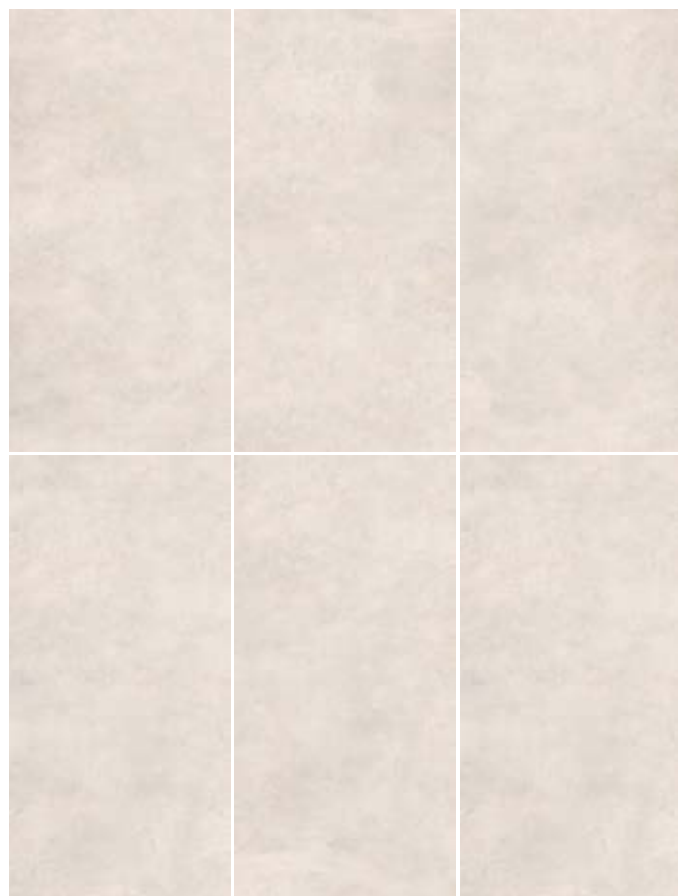


9 mm Thickness

60X120
HDR STONE

5 Artikel Nummer 309027110

CLAY
WHITE

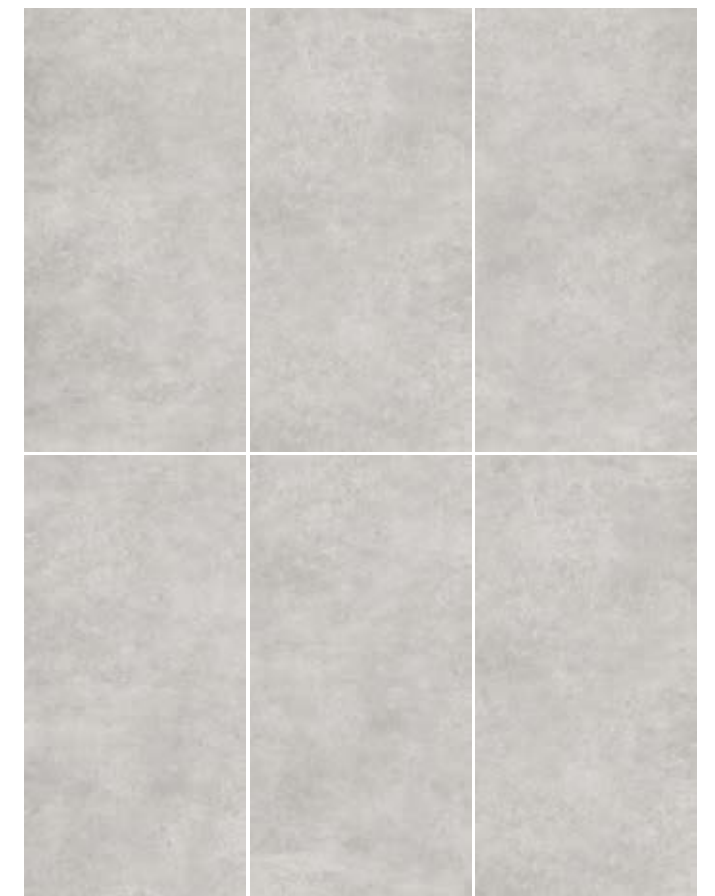


$\overline{9\text{ mm}}$ Thickness

60X120
HDR STONE

Artikel Nummer 309027138 5

CLAY
LIGHT GREY

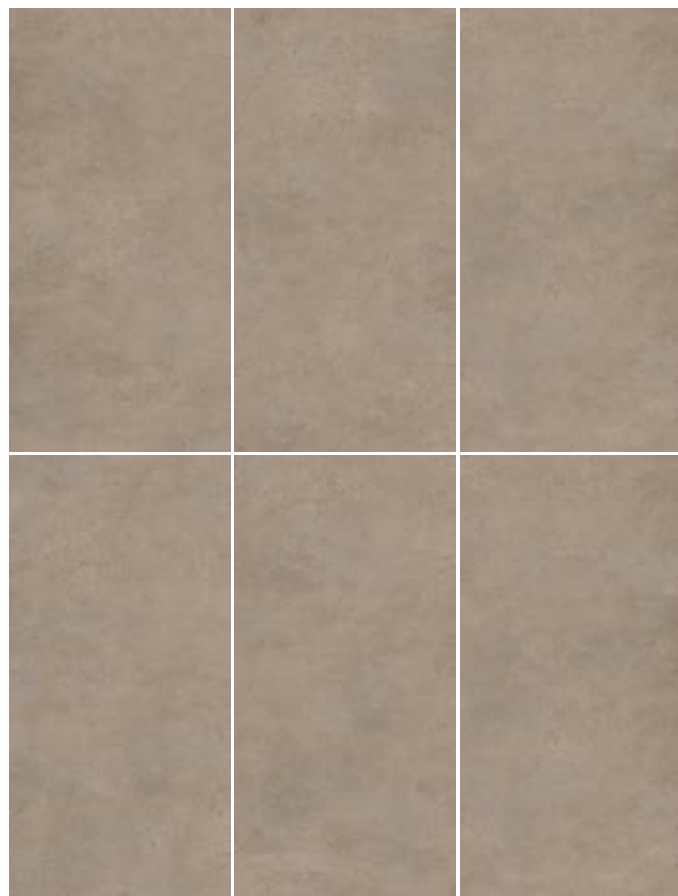


$\overline{9\text{ mm}}$ Thickness

60X120
HDR STONE

5 Artikel Nummer 309027191

CLAY TAUPE



9mm Thickness

60X120
HDR STONE

Artikel Nummer 309019858 7

FIORI SAND

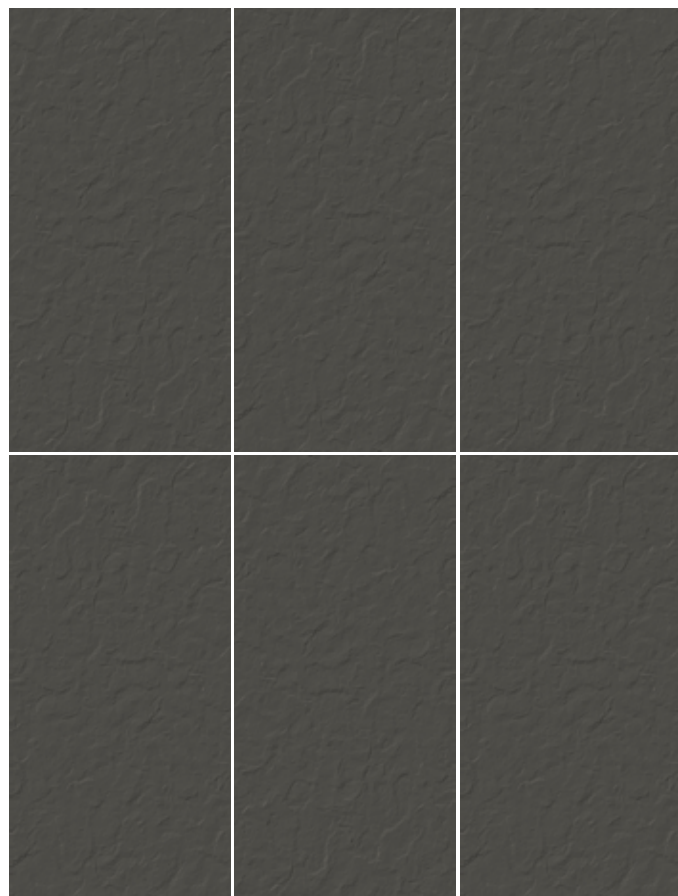


9mm Thickness

60X120
MAT HDR

1 Artikel Nummer 309002868

DECO ROCK ANTHRACITE

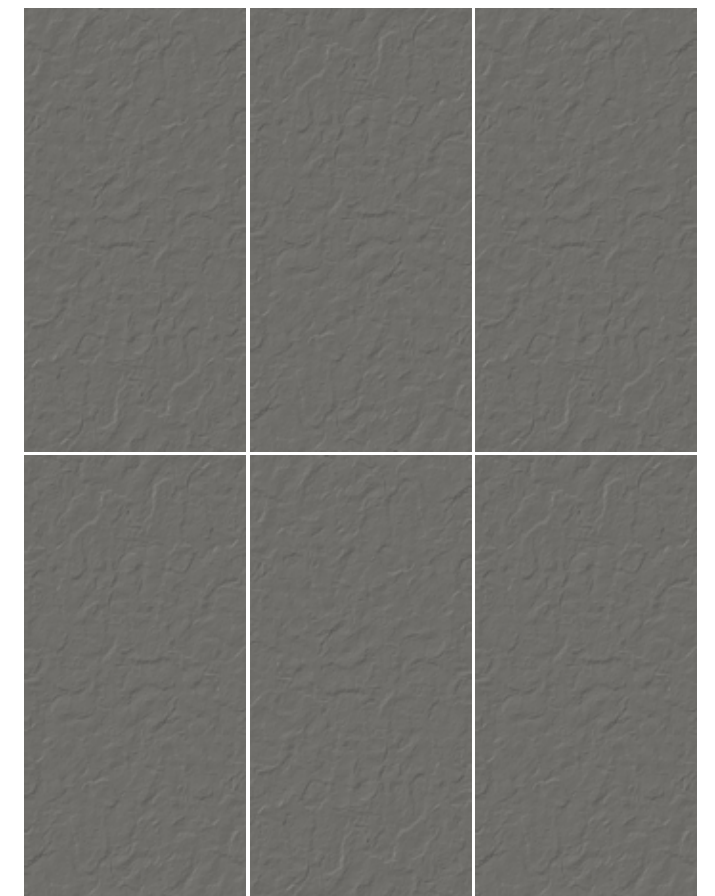


9 mm Thickness

60X120
MAT HDR

Artikel Nummer 309002809 1

DECO ROCK GREY

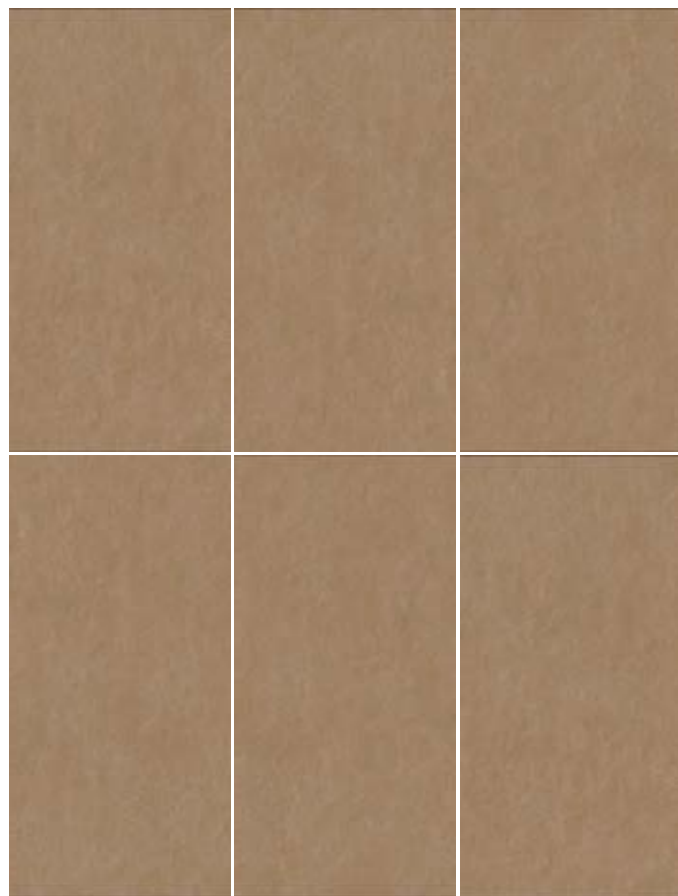


9 mm Thickness

60X120
MAT HDR

3 Artikel Nummer 309002814

DECO ROCK BEIGE



9mm Thickness

60X120
FULL LAPPATO

Artikel Nummer 309001191 12

GRIGIO TAUPE



9mm Thickness

60X120
FULL LAPPATO

12 Artikel Nummer 309001114

GRIGIO BEIGE



9mm Thickness

60X120
FULL LAPPATO

Artikel Nummer 309001102 12

GRIGIO BLACK

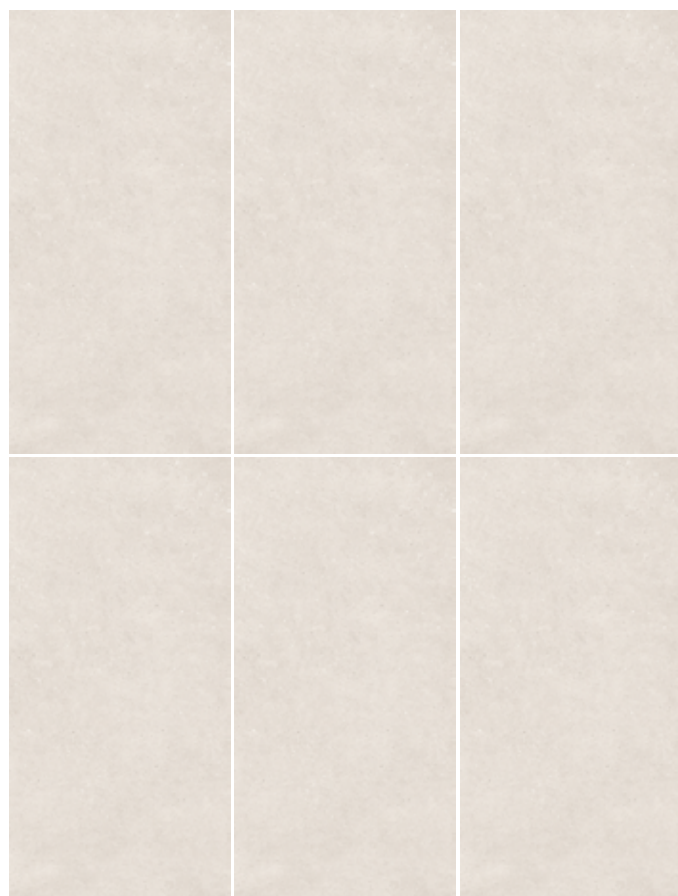


9mm Thickness

60X120
HDR STONE

1 Artikel Nummer 309013074

LIMESTONE IVORY

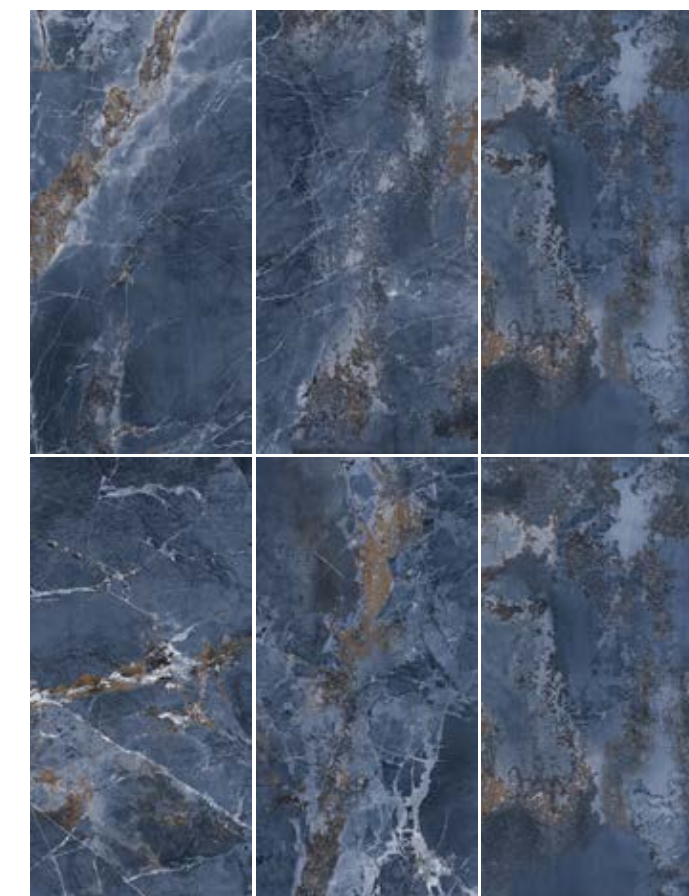


9mm Thickness

60X120
FULL LAPPATO

Artikel Nummer 309000907 5

MARMO METALLO BLUE



9mm Thickness

60X120
FULL LAPPATO

5 Artikel Nummer 309000938

MARMO METALLO LIGHT GREY



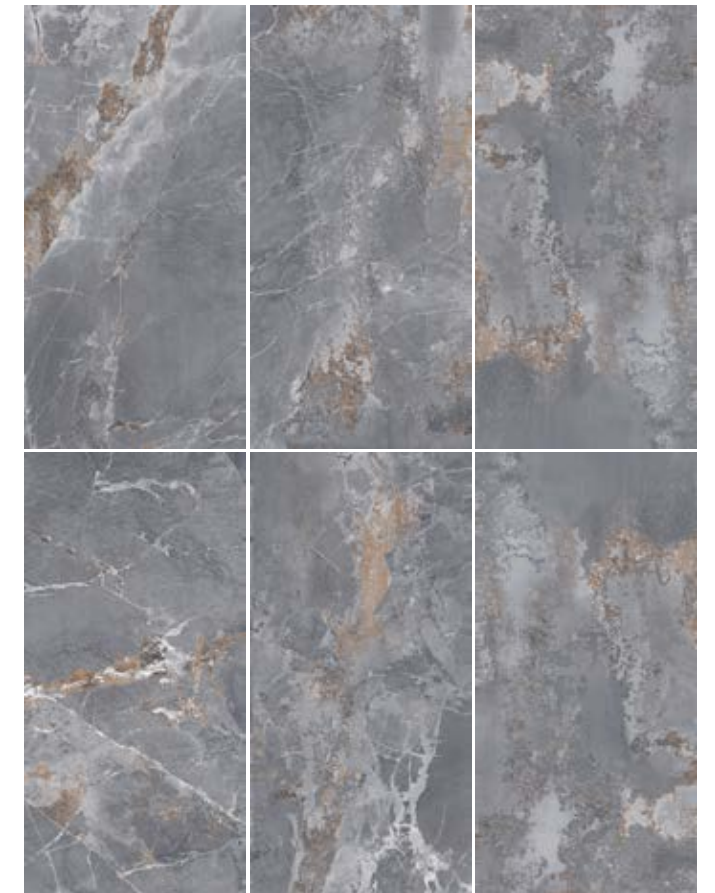
9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309000909 5

MARMO METALLO GREY

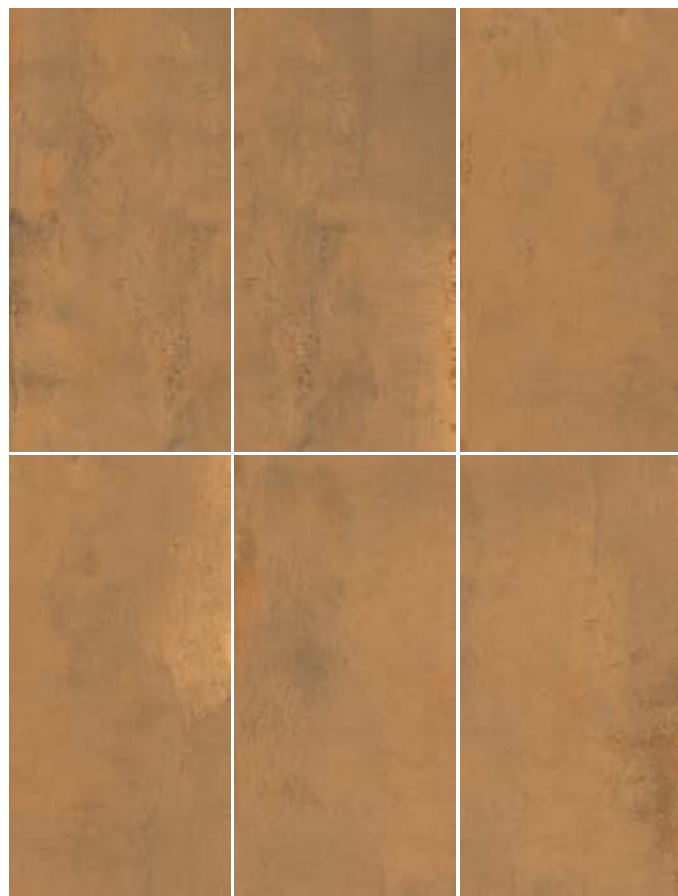


9mm Thickness

60X120
MAT

8 Artikel Nummer 309011350

METALICA CORTEN GOLD



9mm Thickness



60X120
SUGAR EFFECT

Artikel Nummer 309037300 5

MERU



9mm Thickness

60X120
MAT

12 Artikel Nummer 309011659

MONTPELLIER VINTAGE BONE



9mm Thickness



60X120
MAT

Artikel Nummer 309011614 12

MONTPELLIER VINTAGE SAND



9mm Thickness

60X120
MAT

12 Artikel Nummer 309011673

MONTPELLIER VINTAGE ASH

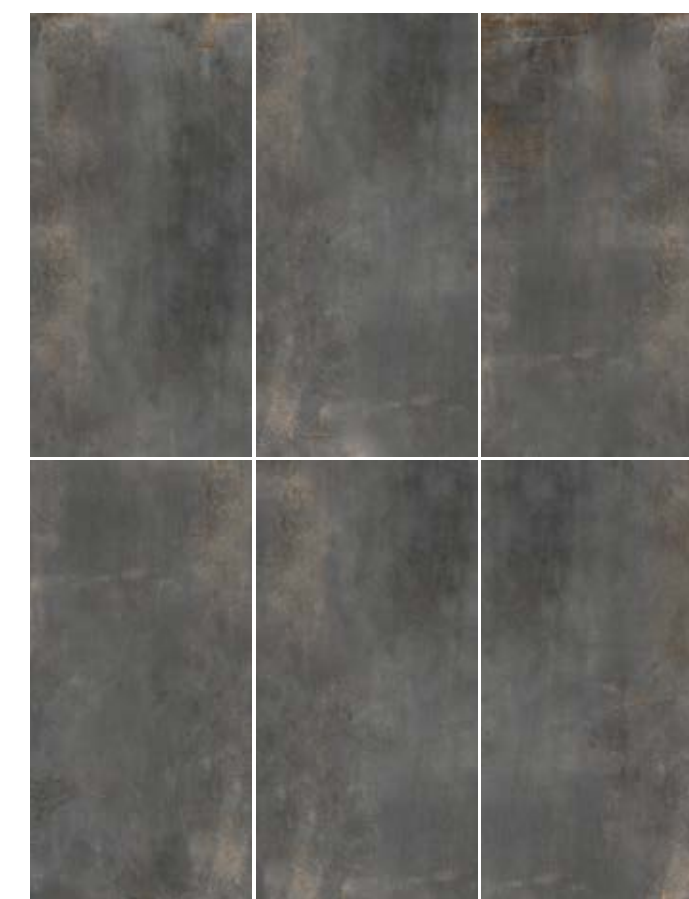


9 mm Thickness

60X120
SUGAR EFFECT

Artikel Nummer 309053307 8

NICKEL BLUE



9 mm Thickness

60X120
FULL LAPPATO

6 Artikel Nummer 309015038

ONYX NOVA LIGHT GREY



9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309015096 6

ONYX NOVA LIGHT BLUE



9mm Thickness

60X120
FULL LAPPATO

6 Artikel Nummer 309015006

ONYX NOVA GREEN



9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309015080 6

ONYX NOVA LIGHT GREEN



9mm Thickness

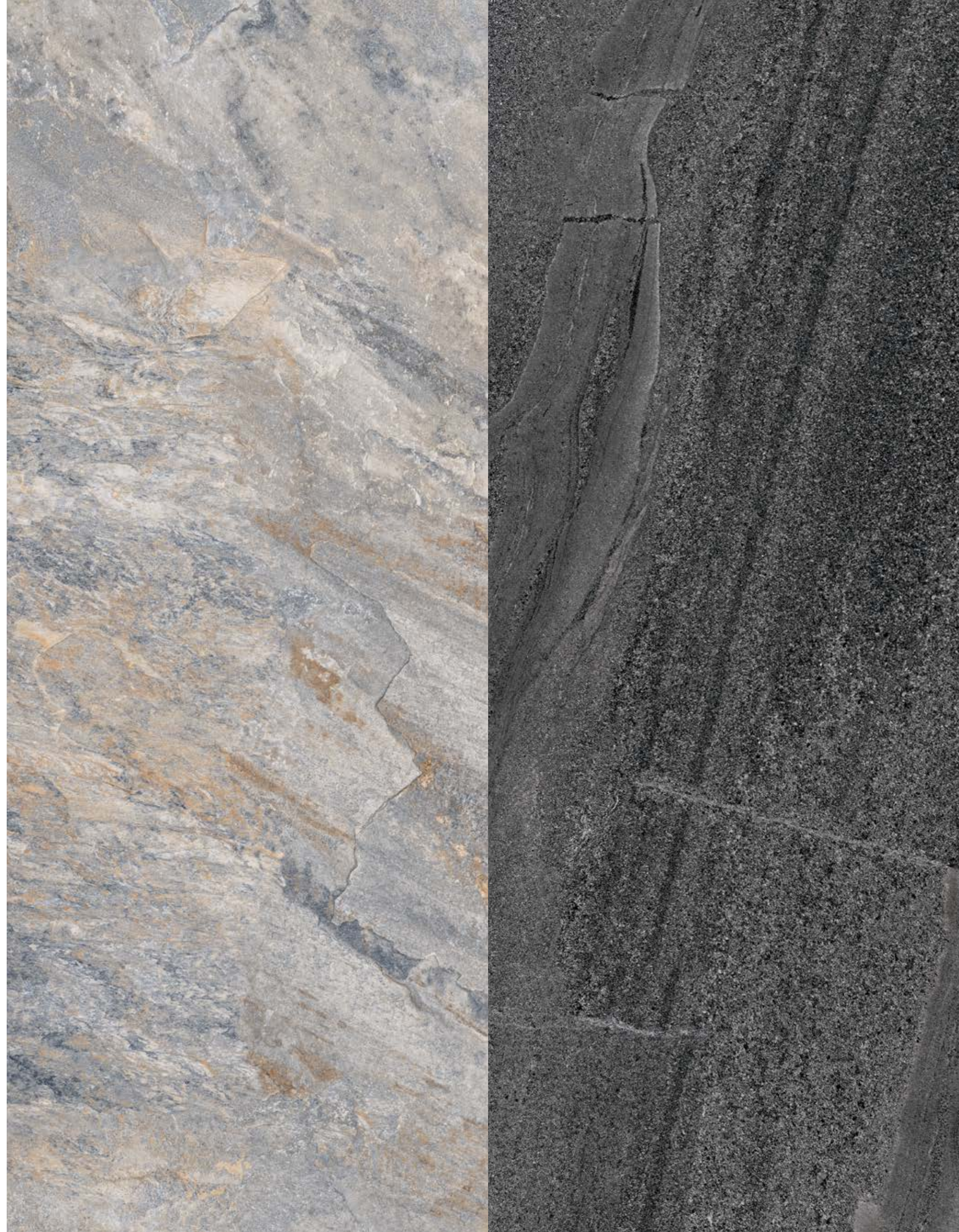
60X120
HDR STONE

3 Artikel Nummer 309051971

PANTHEON NATURAL



9 mm Thickness



60X120
HDR STONE

Artikel Nummer 309013168 8

PARISTONE ANTHRACITE



9 mm Thickness

60X120
HDR STONE

8 Artikel Nummer 309013110

PARISTONE WHITE



9mm Thickness

60X120
HDR STONE

Artikel Nummer 309013109 8

PARISTONE GREY



9mm Thickness

60X120
SUGAR EFFECT

6 Artikel Nummer 309018900

RUST METAL

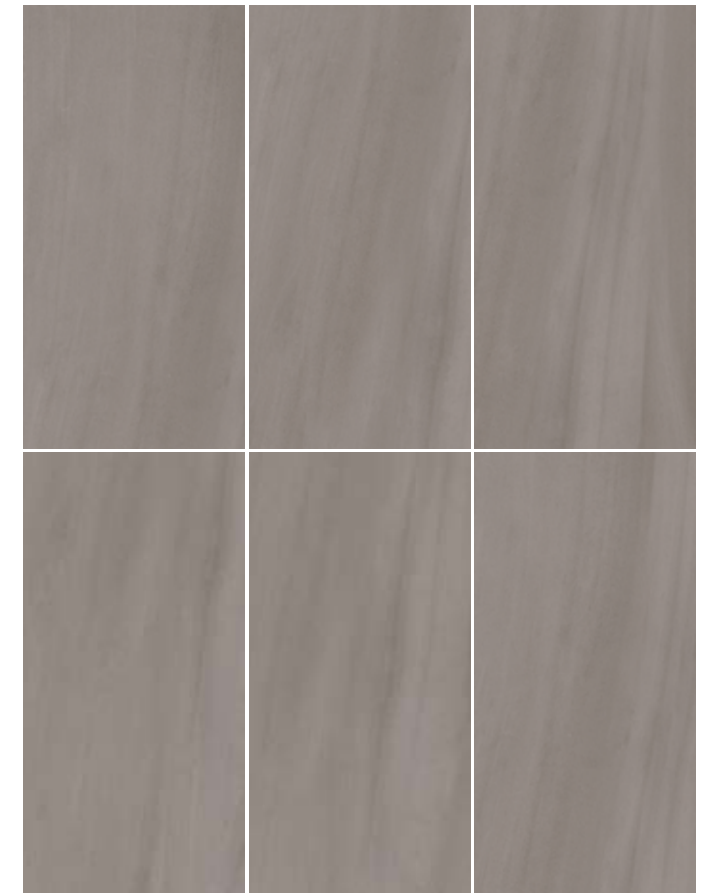


9 mm Thickness

60X120
SUGAR EFFECT

Artikel Nummer 309015991 6

SANDY TAUPE

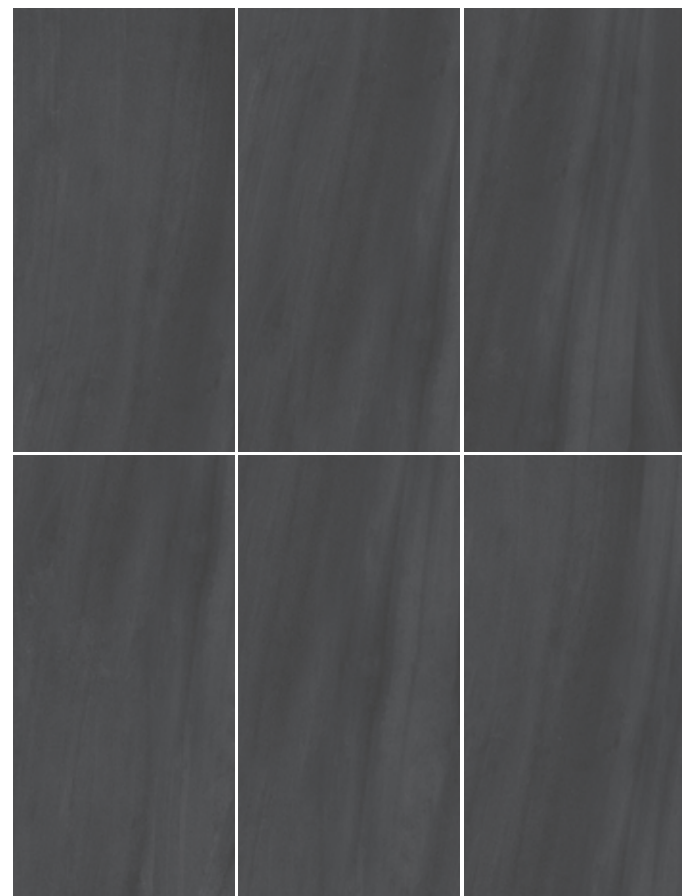


9 mm Thickness

60X120
SUGAR EFFECT

6 Artikel Nummer 309015968

SANDY ANTHRACITE

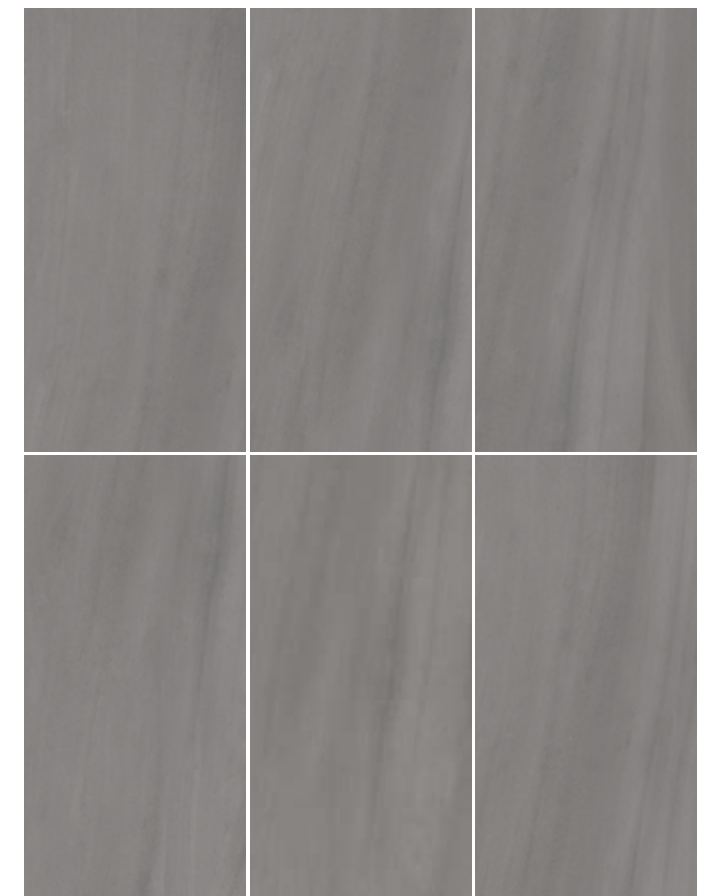


9mm Thickness

60X120
SUGAR EFFECT

Artikel Nummer 309015909 6

SANDY GREY



9mm Thickness

60X120
SUGAR EFFECT

6 Artikel Nummer 309015974

SANDY IVORY



9 mm Thickness

60X120
SUGAR EFFECT

Artikel Nummer 309015910 6

SANDY WHITE



9 mm Thickness

60X120
SUGAR EFFECT

5 Artikel Nummer 309035809

SMOKY GREY



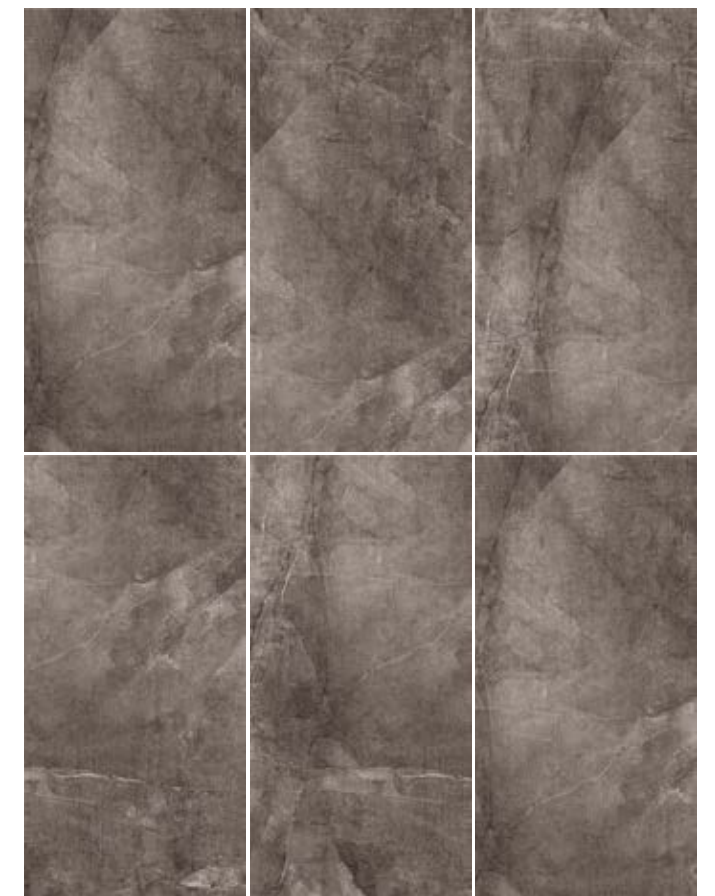
9 mm Thickness



60X120
SUGAR EFFECT

Artikel Nummer 309035802 5

SMOKY BLACK

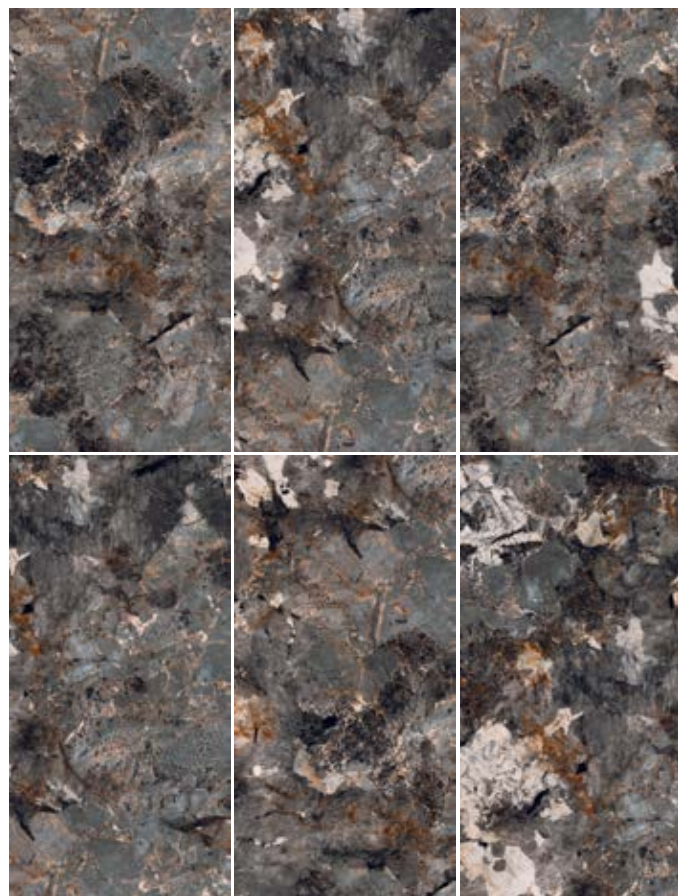


9 mm Thickness

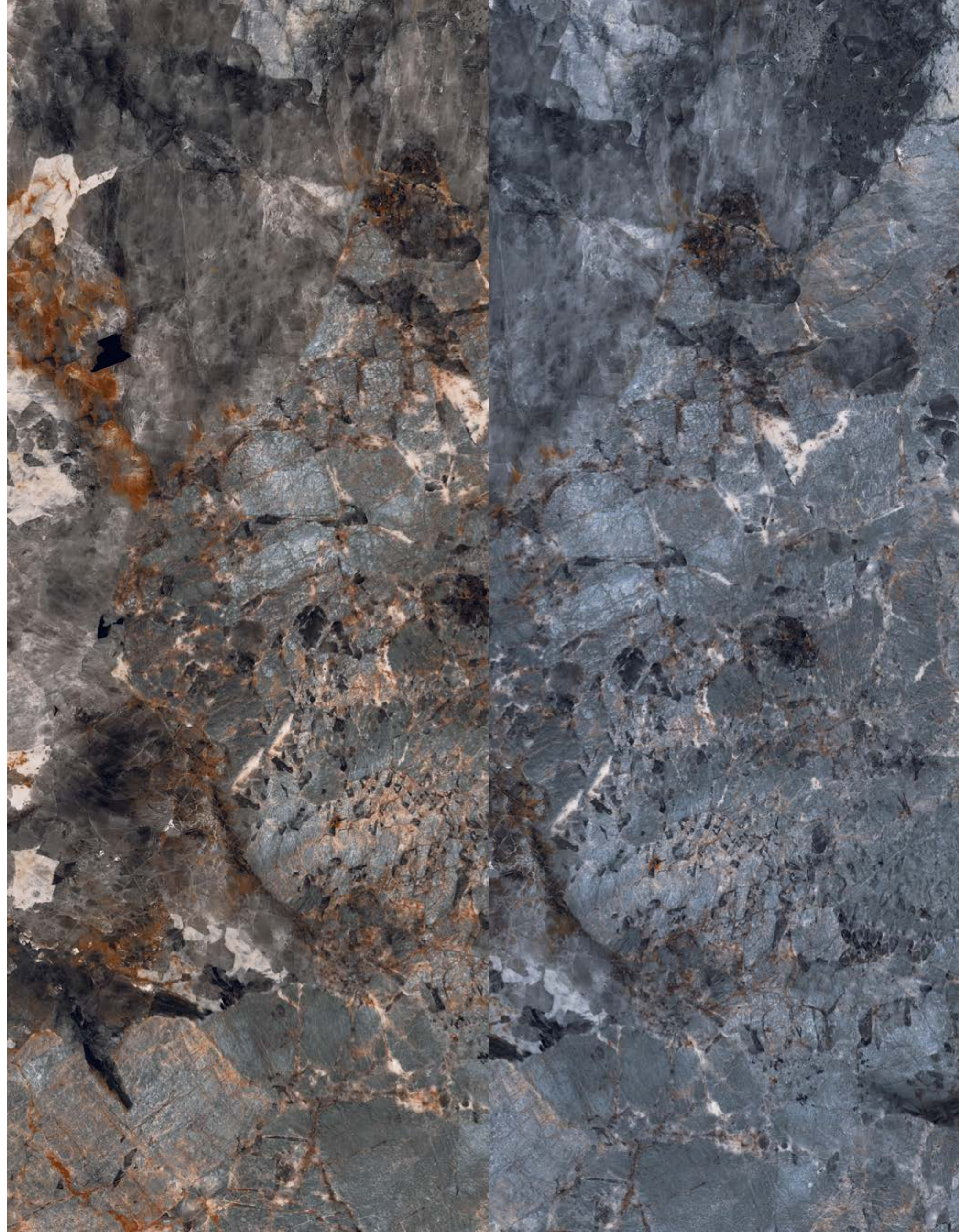
60X120
FULL LAPPATO

6 Artikel Nummer 309016301

SYDNEY BROWN



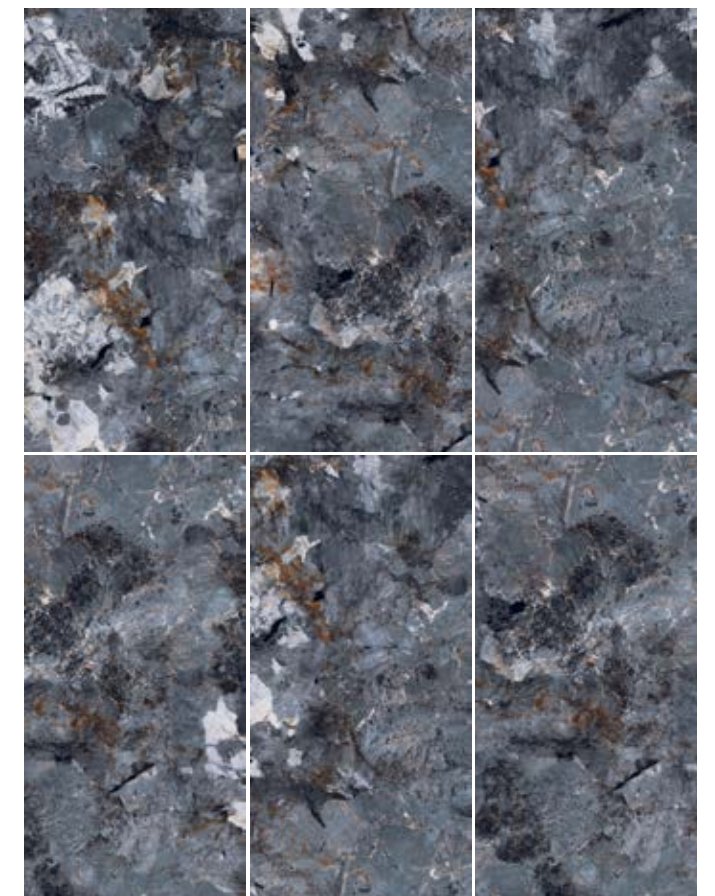
9mm Thickness



60X120
FULL LAPPATO

Artikel Nummer 309016368 6

SYDNEY ANTHRACITE

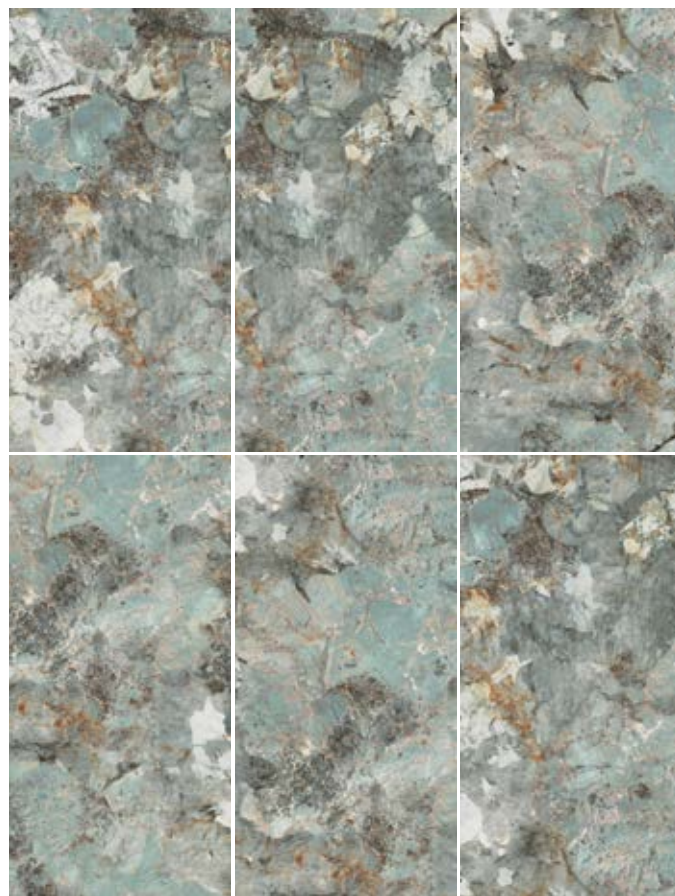


9mm Thickness

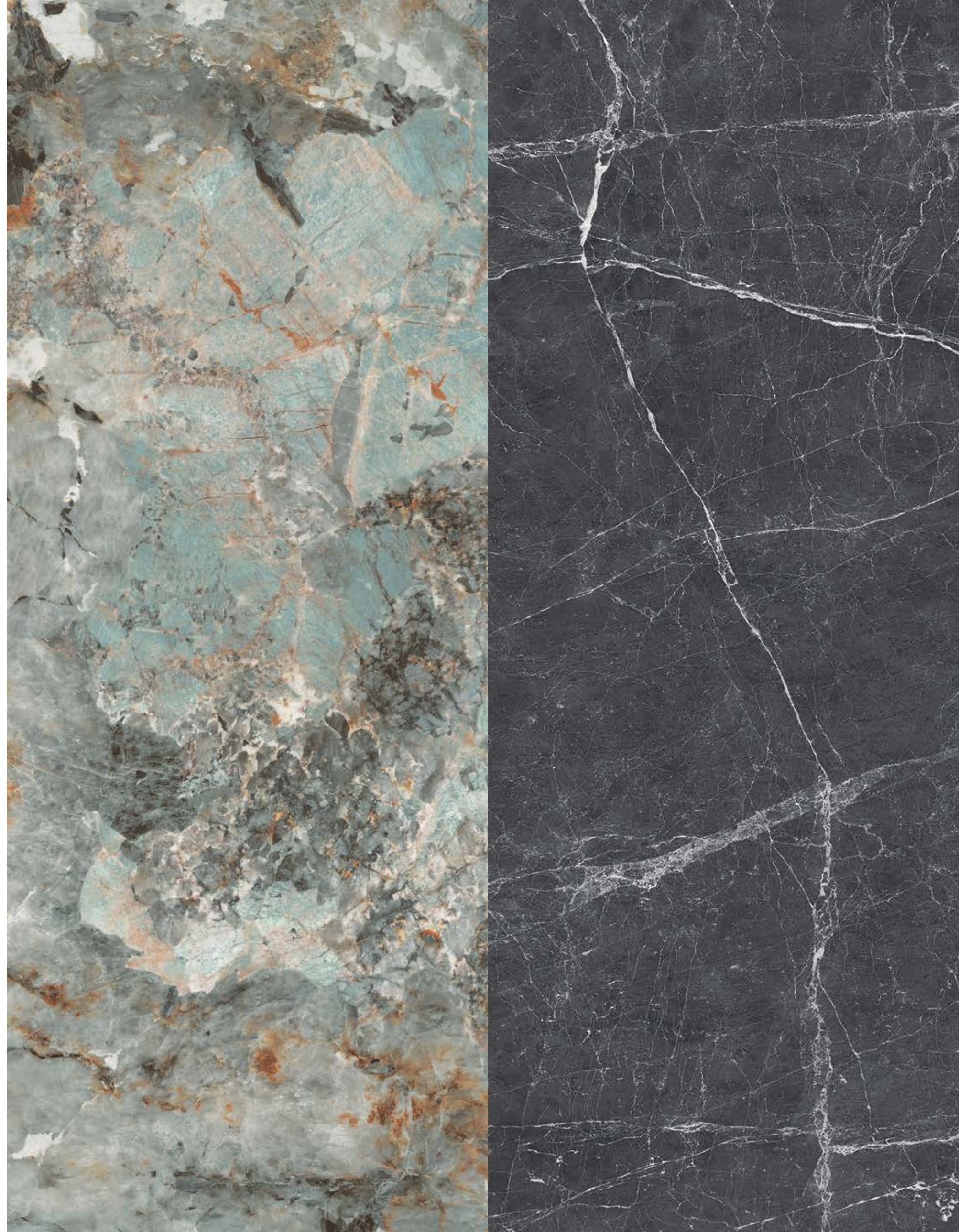
60X120
FULL LAPPATO

6 Artikel Nummer 309016306

SYDNEY GREEN



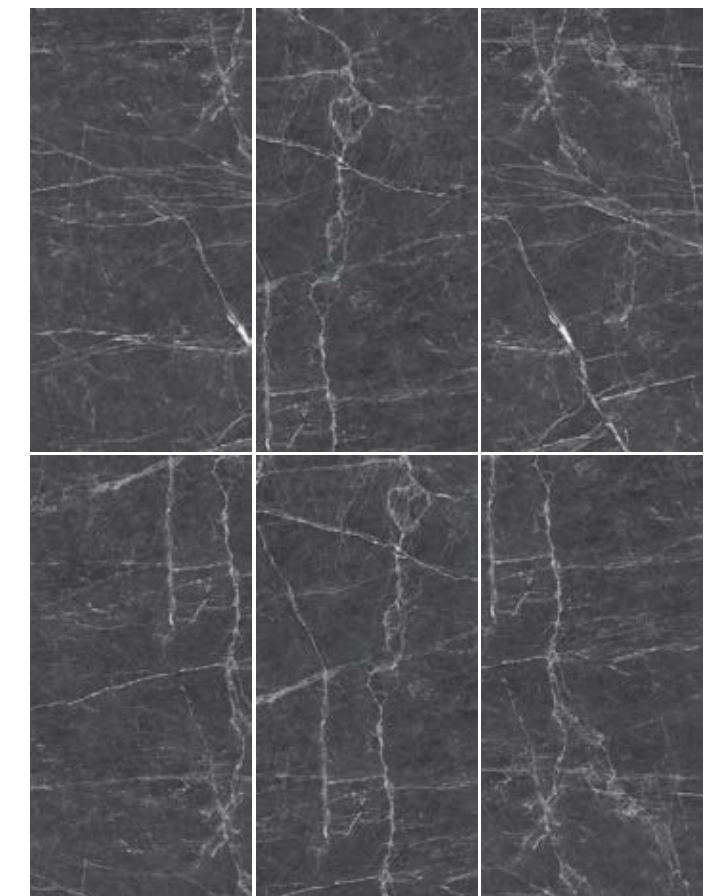
9mm Thickness



60X120
SUGAR EFFECT

Artikel Nummer 309077902 8

TERRE BLACK



9mm Thickness

60X120
MAT R11

4 Artikel Nummer 309014314

TRAVERTINO BEIGE



9mm Thickness



60X120
MAT R11

Artikel Nummer 309014313 4

TRAVERTINO DARK GREY



9mm Thickness

60X120
R11

8 Artikel Nummer 309020177

VEGAS MOCHA



9mm Thickness

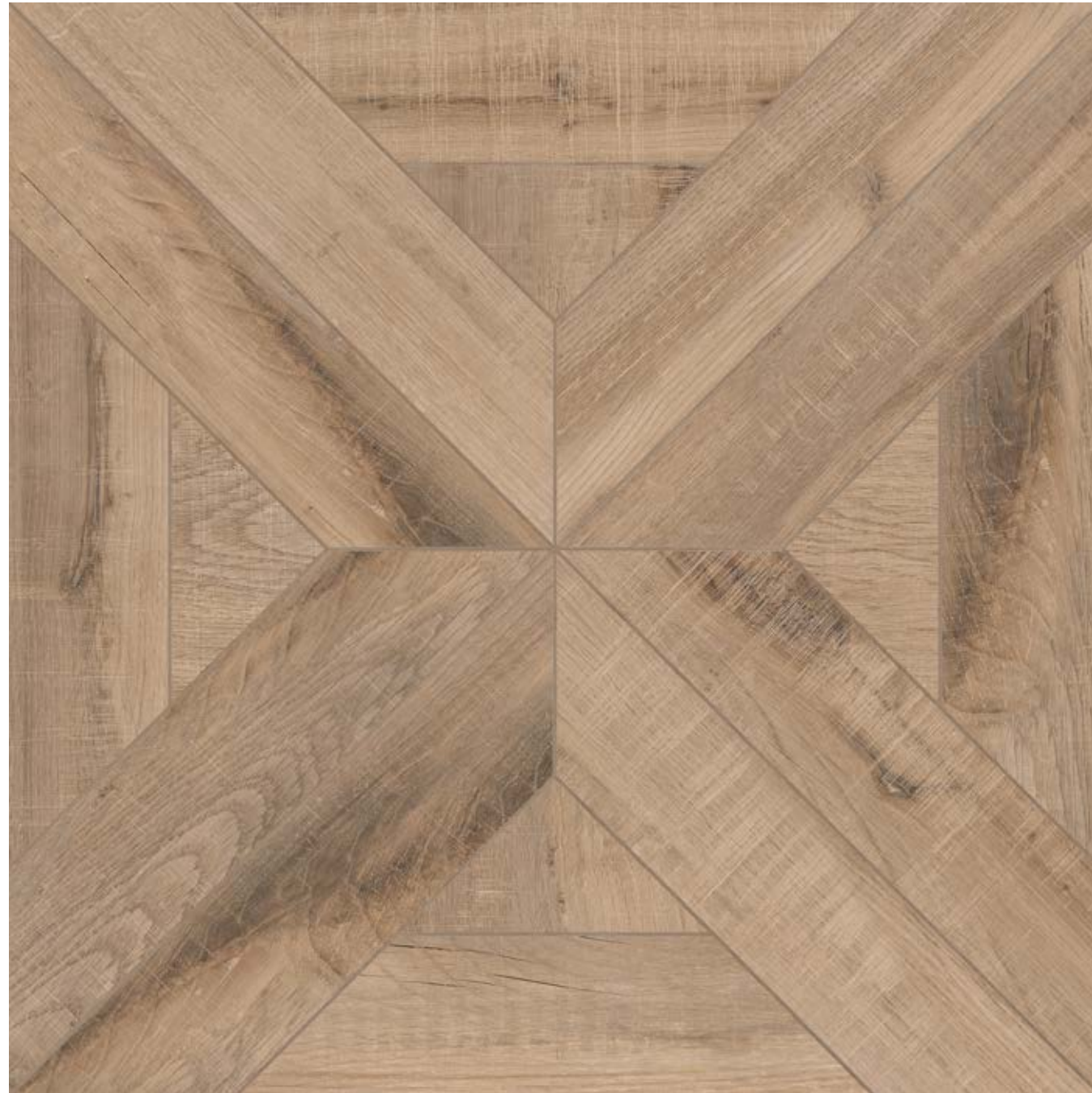
60X120
R11

8 Artikel Nummer 309020114

VEGAS BEIGE



9mm Thickness



60X60
HDR WOOD

Artikel
Nummer 100038470 5

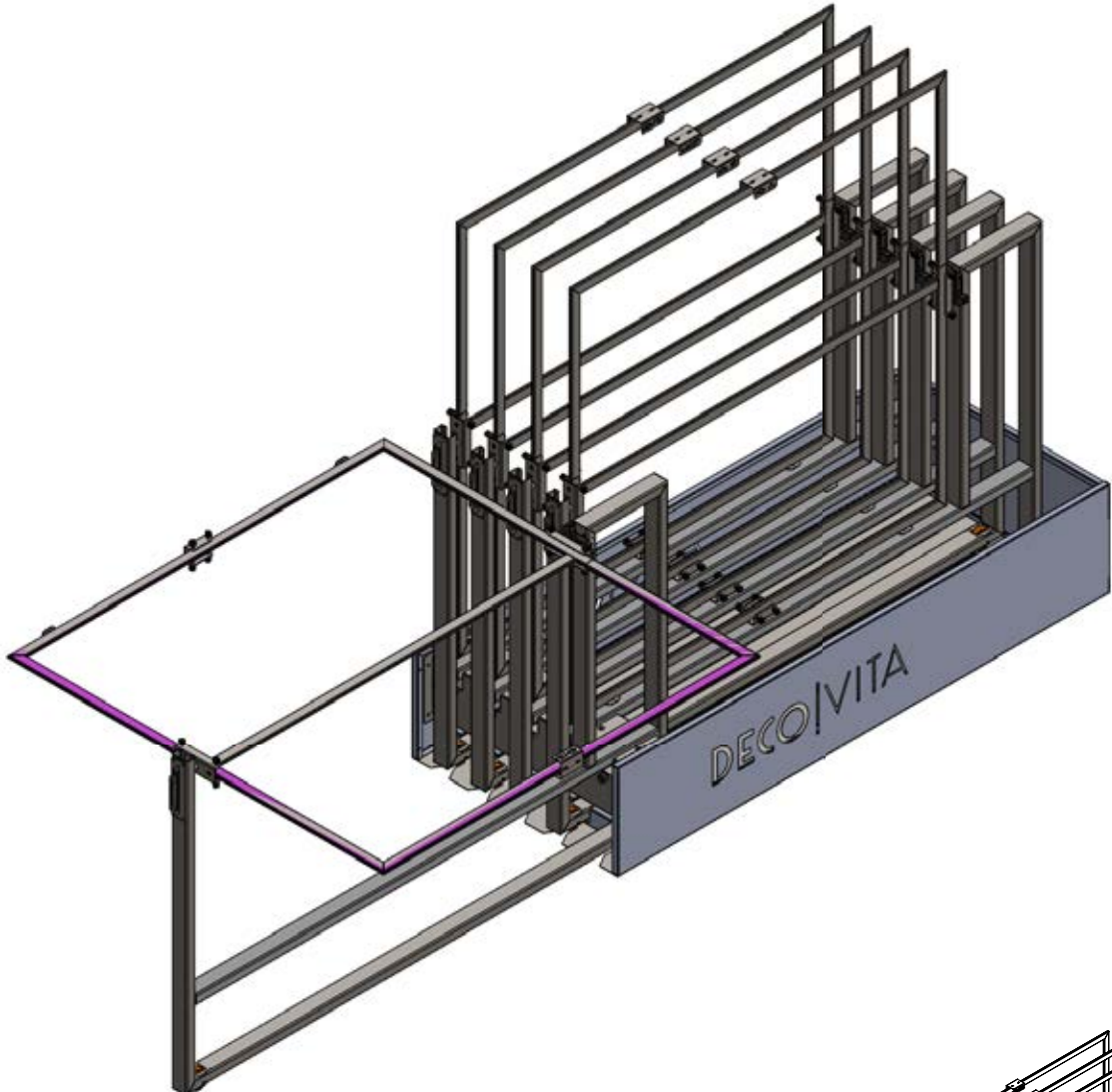
BIRMINGHAM OAK



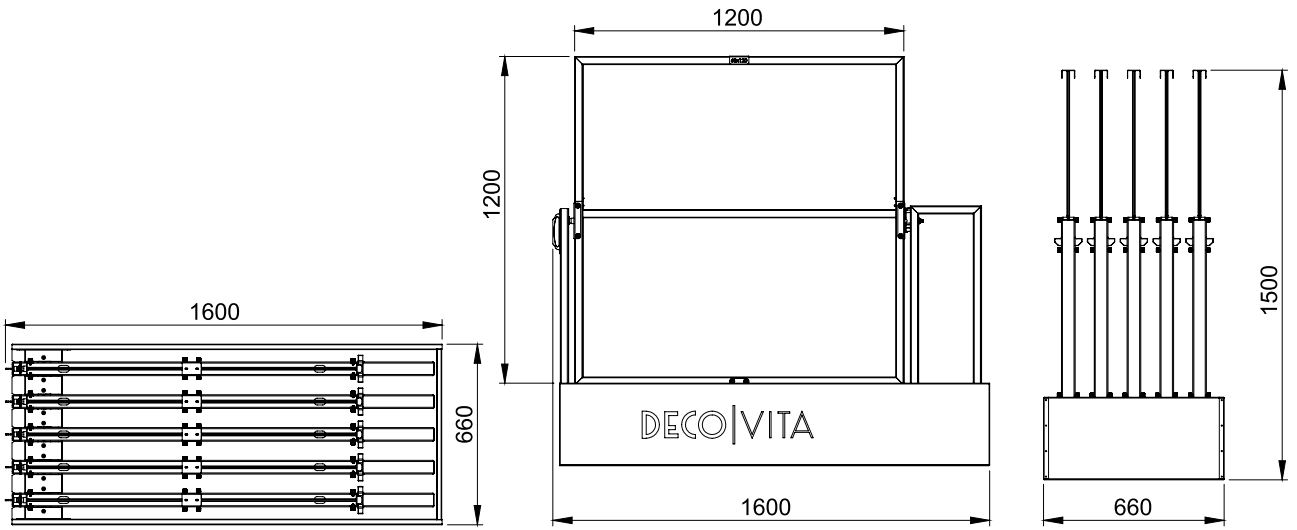
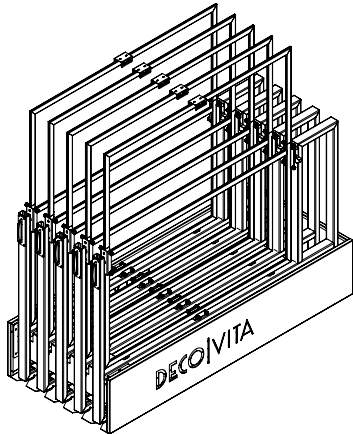
10 mm Thickness



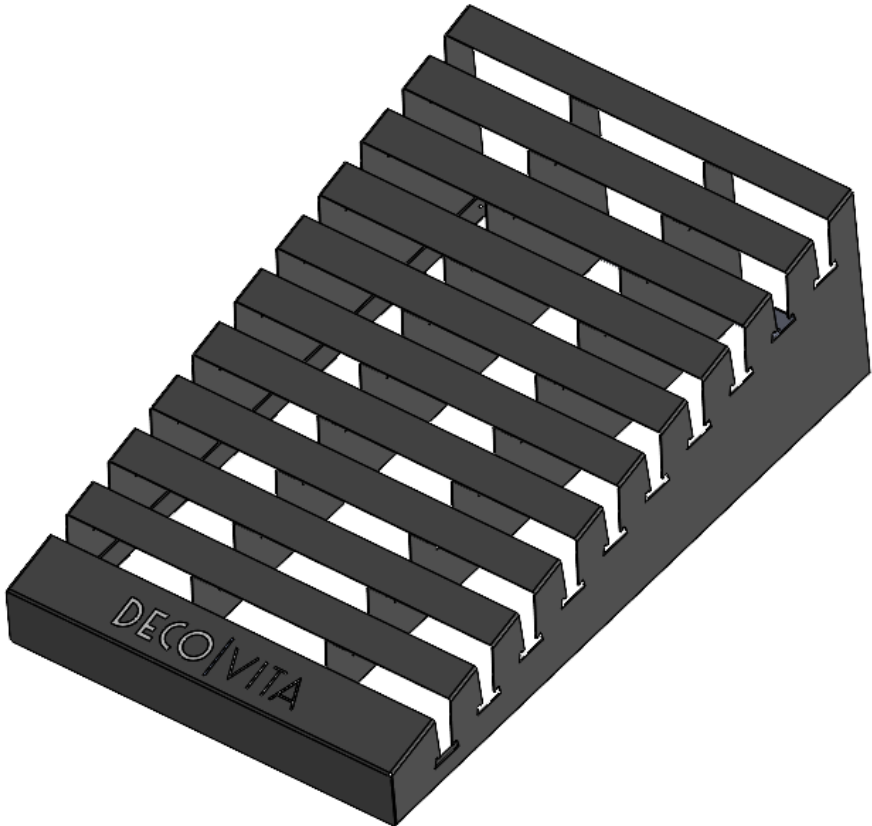
Ausstellungsständer



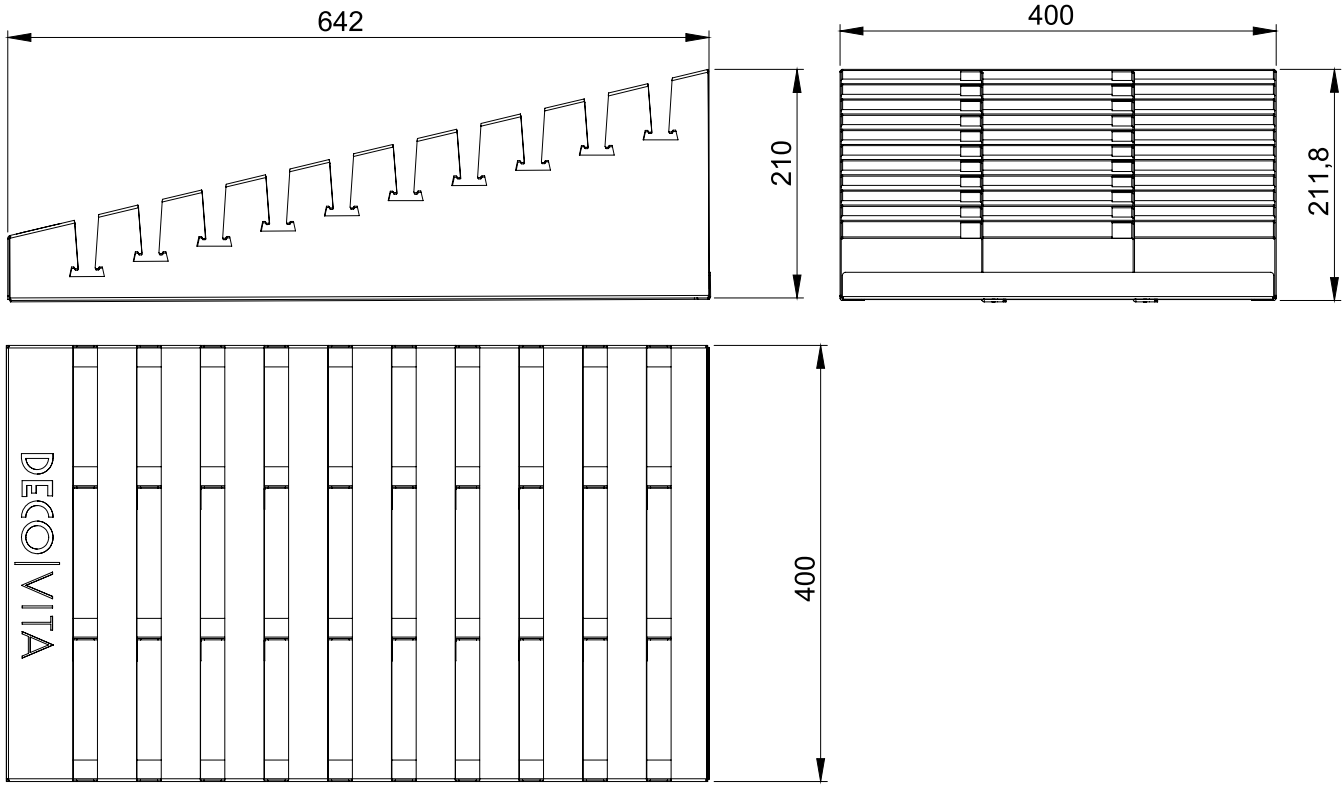
Artikelnummer	TM15317030100029
Gewicht (kg)	180 kg



Ausstellungsständer



Artikelnummer	TM15317030100057
Gewicht (kg)	7 kg



GLAZED PORCELAIN TILE TECHNICAL CHARACTERISTICS

Kg	Bundesweite Tarife - Zone							
	1	2	3	4	5	6	7	8
bis 300,0	30,60 €	40,92 €	44,09 €	48,71 €	57,16 €	55,84 €	59,14 €	62,17 €
bis 400,0	38,28 €	47,78 €	52,93 €	58,87 €	68,51 €	67,85 €	72,07 €	75,37 €
bis 500,0	42,11 €	55,98 €	61,64 €	69,04 €	80,52 €	79,86 €	85,01 €	88,70 €
bis 600,0	47,78 €	62,70 €	70,88 €	79,60 €	92,80 €	92,66 €	98,34 €	102,04 €
bis 700,0	54,38 €	70,62 €	80,52 €	90,82 €	105,07 €	105,73 €	112,33 €	115,76 €
bis 800,0	59,93 €	78,54 €	90,29 €	101,90 €	117,22 €	118,93 €	126,32 €	129,10 €
bis 900,0	64,02 €	86,72 €	100,32 €	113,26 €	129,62 €	132,13 €	140,49 €	142,03 €
bis 1.000,0	69,70 €	94,91 €	110,22 €	124,61 €	142,16 €	145,46 €	154,57 €	154,97 €
bis 1.050,0	74,45 €	100,98 €	117,22 €	132,66 €	151,27 €	155,10 €	164,74 €	164,47 €
bis 1.100,0	76,30 €	102,96 €	119,86 €	135,70 €	154,57 €	158,66 €	168,56 €	167,64 €
bis 1.200,0	82,10 €	111,01 €	129,49 €	146,65 €	166,85 €	171,60 €	182,29 €	180,31 €
bis 1.300,0	86,06 €	119,20 €	139,39 €	158,00 €	179,26 €	184,80 €	196,42 €	193,12 €
bis 1.400,0	91,74 €	127,12 €	149,03 €	169,09 €	191,80 €	198,00 €	210,14 €	205,66 €
bis 1.500,0	98,21 €	135,04 €	158,66 €	180,18 €	204,07 €	211,07 €	224,00 €	218,33 €
bis 1.750,0	107,32 €	149,16 €	175,69 €	199,72 €	226,12 €	234,30 €	248,56 €	241,03 €
bis 2.000,0	121,31 €	168,96 €	199,72 €	227,17 €	256,34 €	266,38 €	282,61 €	271,92 €
bis 2.100,0	131,87 €	185,33 €	219,52 €	249,74 €	281,16 €	292,64 €	310,60 €	297,66 €
bis 2.250,0	134,77 €	191,00 €	226,64 €	257,66 €	289,61 €	301,88 €	320,36 €	306,11 €
bis 2.500,0	148,76 €	211,73 €	251,59 €	286,18 €	320,10 €	335,02 €	355,34 €	337,39 €
bis 3.000,0	169,88 €	242,88 €	289,34 €	329,21 €	367,49 €	385,84 €	408,94 €	385,44 €
bis 4.000,0	217,40 €	310,07 €	357,72 €	404,98 €	493,81 €	500,41 €	541,73 €	587,27 €
bis 5.000,0	403,39 €	466,88 €	552,29 €	598,09 €	643,24 €	702,11 €	786,46 €	788,17 €

Hinweise:

Frachtraten exkl. Inselzustellung (Preise auf Anfrage).

Raten in EUR exkl. MWSt. gültig bei Frachtzahlung in Deutschland. Raten verstehen sich als Sendungsraten.

Frachtraten ab D-46485 Wesel bis frei Haus Empfänger in nachstehend aufgeführten Empfangsorten, unversichert.

Die Frachtberechnung erfolgt unter Zugrundelegung eines frachtpflichtigen Mindestgewichtes von: 300 Kg.

PLZ	Zone
45-46-47	Zone 1
40-41-42-44-50-51-52-58-59	Zone 2
30-31-32-33-35-36-48-49-53-54-56-57	Zone 3
26-27-28-34-37-38-55-60-61-63-64-65	Zone 4
29-39-66-67-68-69-74-97	Zone 5
01-04-06-07-20-21-22-23-70-71-75-76-90-91-96-98-99	Zone 6
02-03-08-09-10-12-15-17-18-19-24-25-72-73-77-79-80-81-82-83-85-86-87-88-89-92-95	Zone 7
13-14-16-78-84-93-94	Zone 8

BOX / PALLET DETAILS

NOMINAL THICKNESS		NOMINAL SIZE		PCS / BOX	BOX *		BOX PER PALLET	PALLET		PALLET SIZE		WEIGHT OF LOADED PALLET	
mm	inch	cm	inch		m ²	sqf		m ²	sqf	cm	inch	kg	lb
10	3/8"	60x60	24x24	4	1.44	15.50	30	43,20	464.83	80x120x75	32x48x29	980	2,160
9	3/8"	60x120	24x48	2	1.44	15.50	36	51,84	558	95x128x75	36x50x29	1,040	2,292

* 1 Box = 29 Kg

NORMS	TECHNICAL CHARACTERISTICS	REQUIRED VALUES	DECOVITA TEST VALUES *	
EN ISO 10545-2	Dimensions and surface quality	Length and width	± %0,5 (± 2,0 mm)	± %0,2 (± 0,5 mm)
		Thickness	± %5 (± 0,5 mm)	± %2,5 (± 0,25 mm)
		Straightness of sides	± %5 (± 1,5 mm)	± %0,3 (± 1,0 mm)
		Rectangularity	± %0,5 (± 2,0 mm)	± %0,25 (± 1,0 mm)
		Center-Edge curvature warpage	± %0,5 (± 2,0 mm)	± %0,25 (± 1,0 mm)
		Surface quality	%95	%95
EN ISO 10545-3	Water absorbing %	≤ %0,5 (Individual tile maximum 0,6%)	≤ %0,2	
EN ISO 10545-4	Breaking strength (N)	Thickness > 7,5 mm	min. 1300 N	min. > 1800 N
		Thickness < 7,5 mm	min. 700 N	-
	Modules of rupture N/mm ²	min. 35 N/mm ²	min. > 45 N/mm ²	
EN ISO 10545-5	Impact resistance, Coefficient of restitution (COR)	Declared value	Resistant	
EN ISO 10545-7	Abrasion resistance (glazed tiles)	Abrasion class and cycles declared	Class 2-3-4-5	
EN ISO 10545-8	Linear thermal expansion coefficient (100°C)	Declared value	60x10 ⁻⁷ - 75x10 ⁻⁷ K ⁻¹	
EN ISO 10545-9	Resistance thermal shock	Required	Resistant	
EN ISO 10545-10	Moisture expansion	Declared value	%0,01	
EN ISO 10545-11	Crazing resistance	Required	Resistance	
EN ISO 10545-12	Frost resistance	Required	Resistance	
EN ISO 10545-13	Resistance to low concentration of acids and alkalis	Declared value	ULA-ULB	
	Resistance to high concentration of acids and alkalis	Declared value	GLA-GLB	
	Resistance to household chemicals and swimming pool salts	min. UB	UA	
EN ISO 10545-14	Resistance to staining	min. Class-3	min. Class-3	
EN ISO 10545-15	Release of dangerous substances (Lead-Cadmium)	Declared value	Pb < %0,1 - Cd < %0,02	
EN 101	Scratch hardness (Mohs)	-	min. 5	
DIN 51130 - 51097 CEN/TS 16165	Ramp slip resistance (Oil / Wet)	Declared value	R9-10-11-12-13 Class A-B-C	
EN 12004:2007+A1:2012,4.1	Bond strenght adhesion	Cementitious adhesives	Declared value	
EN 12004:2007+A1:2012,4.2		Dispersion adhesives	Declared value	
EN 12004:2007+A1:2012,4.3		Reaction resin adhesives	Declared value	
		Mortar	Declared value	
	Reaction to fire	A1 or A1 _{FL}	A1 or A1 _{FL}	
CEN/TS 15209	Tactility	Declare surface description	Declare surface description	

Class-1 Suitable for walls and bedroom and bathroom floors.

Class-2 Suitable for light traffic environments like the floors of a house.

Class-3 Suitable for moderately heavy traffic area floors like the entrance and the corridor.

Class-4 Suitable for heavy traffic are floors like restaurant, shopping stores, etc.

Class-5 Suitable for floors subject to heavy foot traffic and abrasion, such as shops, hotels, restaurants, offices, schools, exhibition halls, etc.

* Decovita reserve the right to modify technical and formal details included in this catalogue.

TECHNICAL INFORMATION



GLAZED PORCELAIN TILE



WATER ABSORPTION
≤ 0,5%



INKJET TECHNOLOGY



FLOOR TILE



FROST RESISTANT



ROTOCOLOR TECHNOLOGY



WALL TILE



MIN. GROUT JOINT
1 MM.



RECTIFIED

DECOVITA TEST POLICY

We are making tests both in our factory laboratory and 3th party laboratories to exceed standards.

3th Party Laboratories: We have adopted testing of both **ASTM** (American Society for Testing and Materials Standards) by **TCNA** (Tile Council of North America) and EN ISO (European Union International Standards).

WATER ABSORPTION ASTM C373

This test method covers procedures for determining water absorption, bulk density, apparent porosity, and apparent specific gravity of non-tile fired unglazed white ware products, glazed or unglazed ceramic tiles, and glass tiles. The water absorption, reported here, is expressed as a percent, the relationship of the mass of water absorbed to the mass of the dry specimen.

Class	Requirement
Impervious	Water absorption less than or equal to 0.5%
Vitreous	Water absorption more than 0.5% and less than or equal to 3.0%
Semi-vitreous	Water absorption more than 3.0% and less than or equal to 7.0%
Non-vitreous	Water absorption more than 7.0% and less than or equal to 20.0%

CHEMICAL RESISTANCE ASTM C650

This test method covers a procedure for determining whether, and to what degree, ceramic tiles are affected by prolonged exposure to chemical substances that are commonly in the household or for cleaning purposes as well as other more severe conditions. This test method calls for one or more tests, each consisting of exposing flat pieces of ceramic tile to the action of a specific chemical substance for a definite period of time at a prescribed temperature.

Class	Maximum number of affected samples
Class A	0
Class B	1
Class C	2
Class D	3
Class E	4 or more

BREAKING STRENGTH ASTM C648

This test method covers the determination of the breaking strength of glazed ceramic wall tile, ceramic mosaic tile, quarry tile, and paver tile. The test method consists of supporting the tile on the ends of three cylindrical rods, or on three ball bearings arranged in an equilateral triangle, and applying force at a definite rate to the center of the tile, until the specimen breaks.

ANSI Standard	Tile Type	Specification
ANSI A 137.1 (Ceramic Tile)	Porcelain Tile	The average breaking strength shall be 275 lbf or greater with no individual specimen below 250 lbf

ABRASION RESISTANCE (PEI) ASTM C1027

This test method is designed to measure the resistance of tile surfaces to visible surface abrasion. Certain irregular surfaces may not be evaluated properly by this test method because of wear patterns. The abrasion resistance of tile surfaces is determined by rotation of an abrasive load on the surface and the assessment of the resultant wear by means of visual comparison of the abraded test specimens and non-abraded tiles.

Class	Explanation
Class 0	Not suitable for floors. (Defects detected after 100 Revolutions)
Class 1	Residential, light traffic. (Defects detected after 150 Revolutions)
Class 2	Residential, medium to light traffic. (Defects detected after 600 Revolutions)
Class 3	Residential, heavy traffic. Commercial, light traffic. (Defects detected after 750, 1500 Revolutions)
Class 4	Commercial, considerable traffic. (Defects detected after 21000, 6000, 12000 Revolutions)
Class 5	Commercial, heavy traffic. (Defects detected after > 12000 Revolutions)

STAIN RESISTANCE ASTM C1378

This test method is intended to determine the resistance to staining of ceramic tile surfaces. The resistance to staining is determined by maintaining test solutions in contact with ceramic tile surfaces for a specified period of time. After exposure, the surface is cleaned in a defined manner, and the test specimens are inspected visually for change.

Class	Maximum number of samples that retain a stain
Class A	0
Class B	1
Class C	2
Class D	3
Class E	4 or more

SCRATCH HARDNESS (MOHS HARDNESS SCALE) ASTM C1895

This method covers the procedures to determine the Mohs scratch hardness of ceramic tile. The resistance to scratching is determined based on a visual observation of the ceramic tile surface after an attempt to scratch the surface using a pick of known hardness. The following minerals are used as standard: 1. Talc, 2. Gypsum, 3. Calcite, 4. Fluorite, 5. Apatite, 6. Feldspar, 7. Quartz, 8. Topaz, 9. Corundum, 10. Diamond

DIMENSIONS AND SURFACE QUALITY ASTM C485

This test method provides a means for determining whether or not a lot of ceramic tile meets the warpage requirements that may appear in specifications to assure satisfactory tile installations. In accordance with this test method, warpage is calculated as a percentage of the length of the edge or diagonal being tested. It is realized that the percentage values based on the overall edge length, or on the overall diagonal length of a tile will be slightly lower than those based on the distance between reference points. However, the ratio of the overall lengths to the distance between reference points will be practically constant for any particular size of tile and, therefore, the percentage values will be comparable and equally indicative of warpage.

DYNAMIC COEFFICIENT OF FRICTION OF HARD SURFACE FLOORING MATERIALS - DCOF - ANSI A326.3

Unless otherwise specified, hard surface flooring materials suitable for level interior spaces expected to be walked upon when wet with water shall have a wet DCOF of 0.42 or greater when tested using SBR sensor material and SLS solution as per this standard. However, hard surface flooring materials with a DCOF of 0.42 or greater are not necessarily suitable for all projects.

The specifier shall determine materials appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations. No floor tile is "slip proof". Porcelain tiles shouldn't be used in areas where oil, grease, or water is expected on the floor both indoors or out.

Slip Hazard	Minimum DCOF BOT3000 AcuTest (Wet)
Dry & Level Interior	Any
Wet & Level Interior	≥ 0.42
Exterior Applications, Oils, Pool Decking & Other Wet Areas with minimal footwear	≥ 0.60
Ramps & Inclines	≥ 0.65

DECOVITA DECLARED VALUES

RESISTANCE OF CERAMIC AND GLASS TILE TO FREEZE - THAW CYCLING ASTM C1026

This test method describes the procedures and equipment required to test either glazed or unglazed ceramic or glass tiles for resistance to repeated cycles of freezing and thawing. Tile of any size or shape may be tested by this test method. A designated test load of tile specimens is saturated with water prior to being placed face-up in a metal water-filled container inside a freezer. The water level is adjusted such that the tile specimens are partially submerged. A thermocouple is inserted into the bottom of the metal container such that the water surrounding the thermocouple is the last location to freeze and thaw. Freezing is followed by a thawing cycle using water that flows over the test load. The number of freeze-thaw cycles is recorded and after 300 cycles, the test load is visually examined for damage and checked for total weight loss.

SHADE VARIATIONS

Variation in coloring is classified by the following.

Class	Explanation
V0	Very uniform, monochromatic color
V1	Consistent color within each tile and from tile to tile
V2	Color variation within each tile
V3	Some variation from tile to tile and within each tile
V4	Considerable variation from tile to tile

DECOVITA FACTORY QUALITY CONTROL DEPARTMENT REGULARLY MAKES BELOW TESTS IN OUR FACTORY LABORATORY

- Dimensions and Surface Quality
- Water Absorption %
- Pallet and Box Control
- Resistance to Low Concentration of Acids and Alkalis
- Resistance to High Concentration of Acids and Alkalis
- Resistance to Household Chemicals and Swimming Pool Salts
- Resistance to Staining
- Surface Brightness Check
- Scratch Hardness (Mohs)

DECOVITA INDOOR 1 CM (POLISHED AND MATT)

Method	Declared Value
The ASTM C373 Water Absorption	≤ 0.5 %
The ASTM C648 Breaking Strength	≥ 500 lbf
The ASTM C650 Chemical Resistance	Resistant
The ASTM C1027 Surface Abrasion (PEI)	Min Class 4
The ASTM C1378 Stain Resistance	Min Class B
ASTM 1895 Mohs Scratch Hardness	Min 6
Length and width	± 0,5 mm
Thickness	± 0,5 mm
Straightness of Sides	± 0.5 mm
Rectangularity	± % 0,5
Center-Edge Curvature-Warpage	± % 0,5
Surface Quality	% 95

*ANSI A326.3 Dynamic Coefficient of Friction (DCOF – wet only) for Textured Matte Indoor 1 cm≥ 0.65

*ANSI A326.3 Dynamic Coefficient of Friction (DCOF – wet only) for Satin Matte Indoor 1 cm≥ 0.44

ASTM 1895 Mohs Scratch Hardness for Sugar Effect Indoor 1cm is 8.

DECOVITA INDOOR 1 CM (SUGAR EFFECT)

Method	Declared Value
The ASTM C373 Water Absorption	≤ 0.5 %
The ASTM C648 Breaking Strength	≥ 500 lbf
The ASTM C650 Chemical Resistance	Resistant
The ASTM C1027 Surface Abrasion (PEI)	Min Class 3
The ASTM C1378 Stain Resistance	Min Class B
ASTM 1895 Mohs Scratch Hardness	Min 7
Length and width	± 0,5 mm
Thickness	± 0,5 mm
Straightness of Sides	± 0.5 mm
Rectangularity	± % 0,5
Center-Edge Curvature-Warpage	± % 0,5
Surface Quality	% 95

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