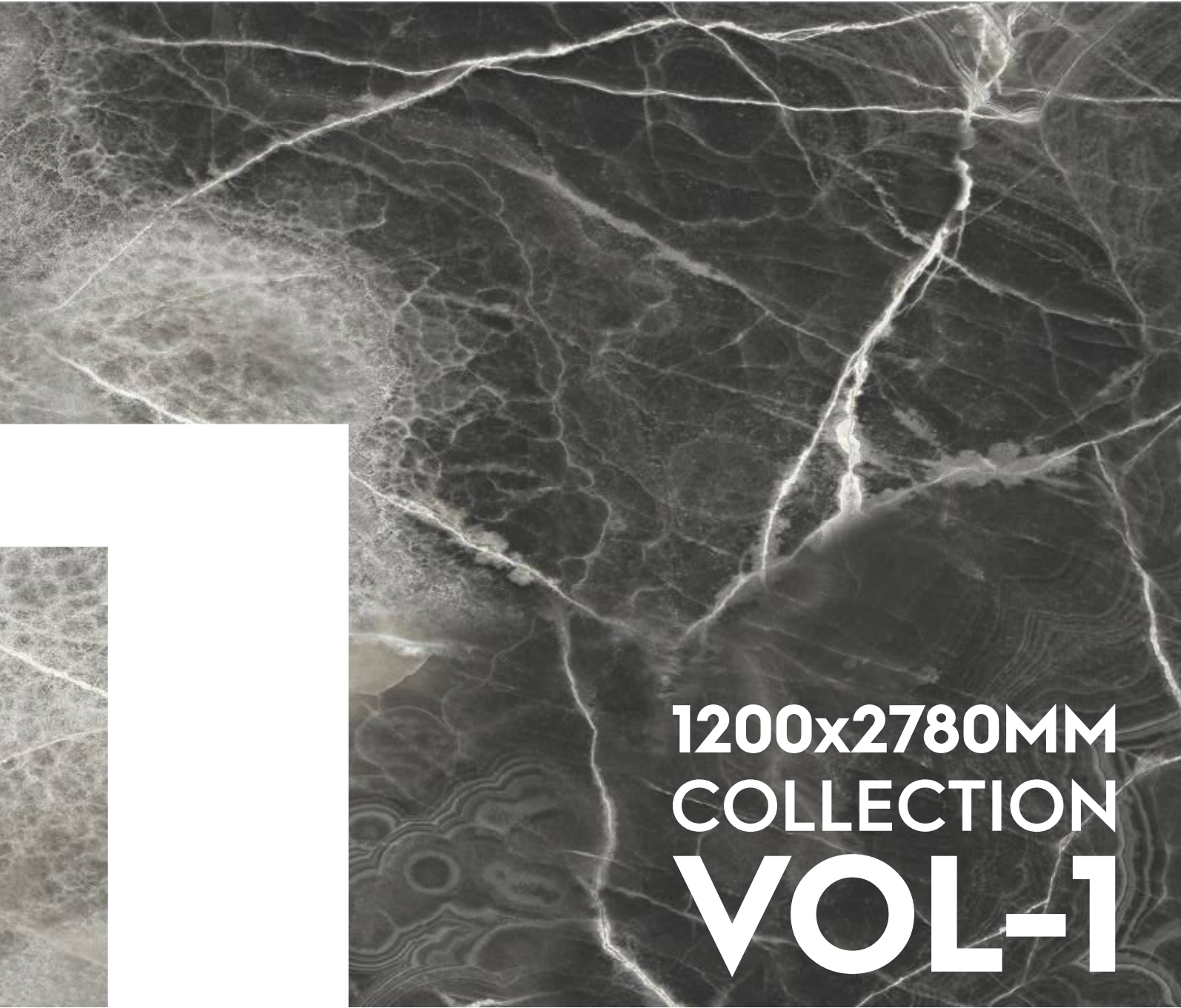


ΣNIGMA
ΣXIM



1200x2780MM
COLLECTION
VOL-1



Made entirely
in **India**

T
TECHNO
SURFACES



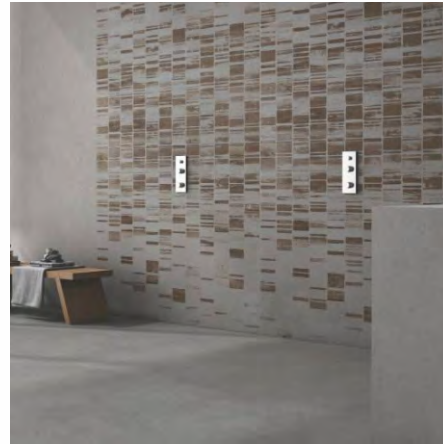
technosurfaces



POZZOLANA



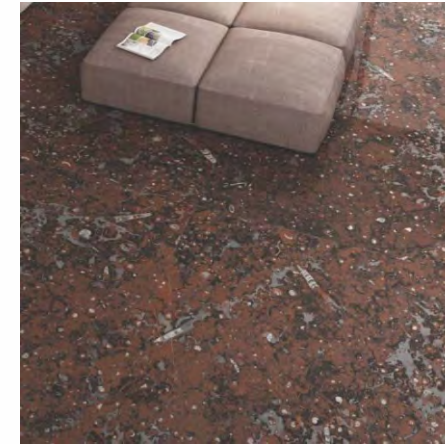
INTREGRITY



CONCRETO



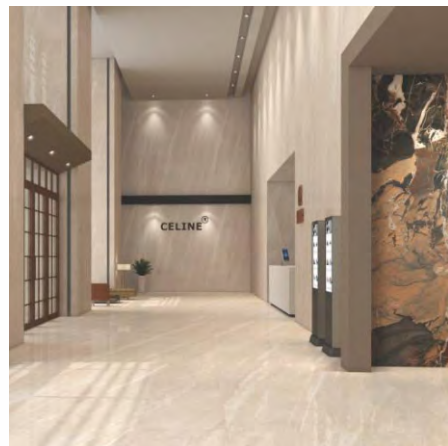
GRANDE



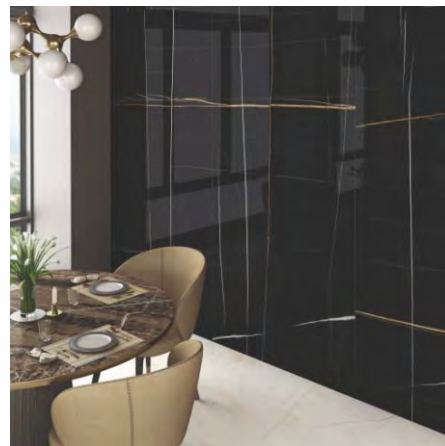
ARMONIA



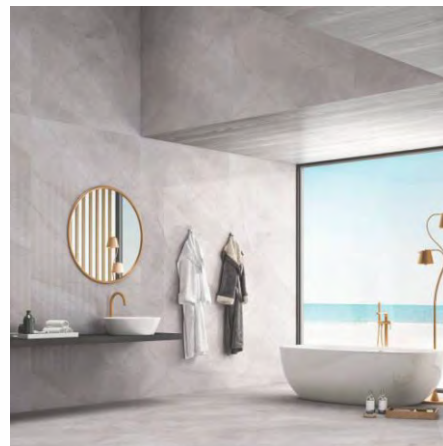
SOUL



PRIMO



INICIO



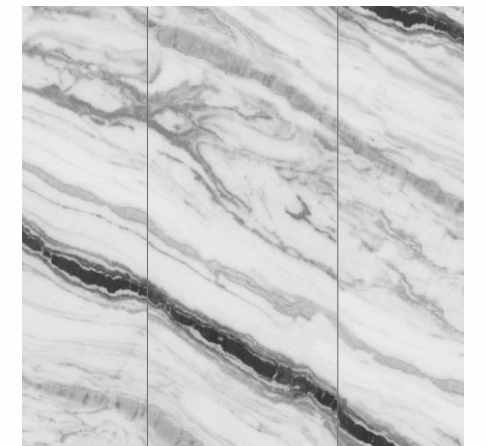
EMPRESSA



LUSTROUS



POLAR

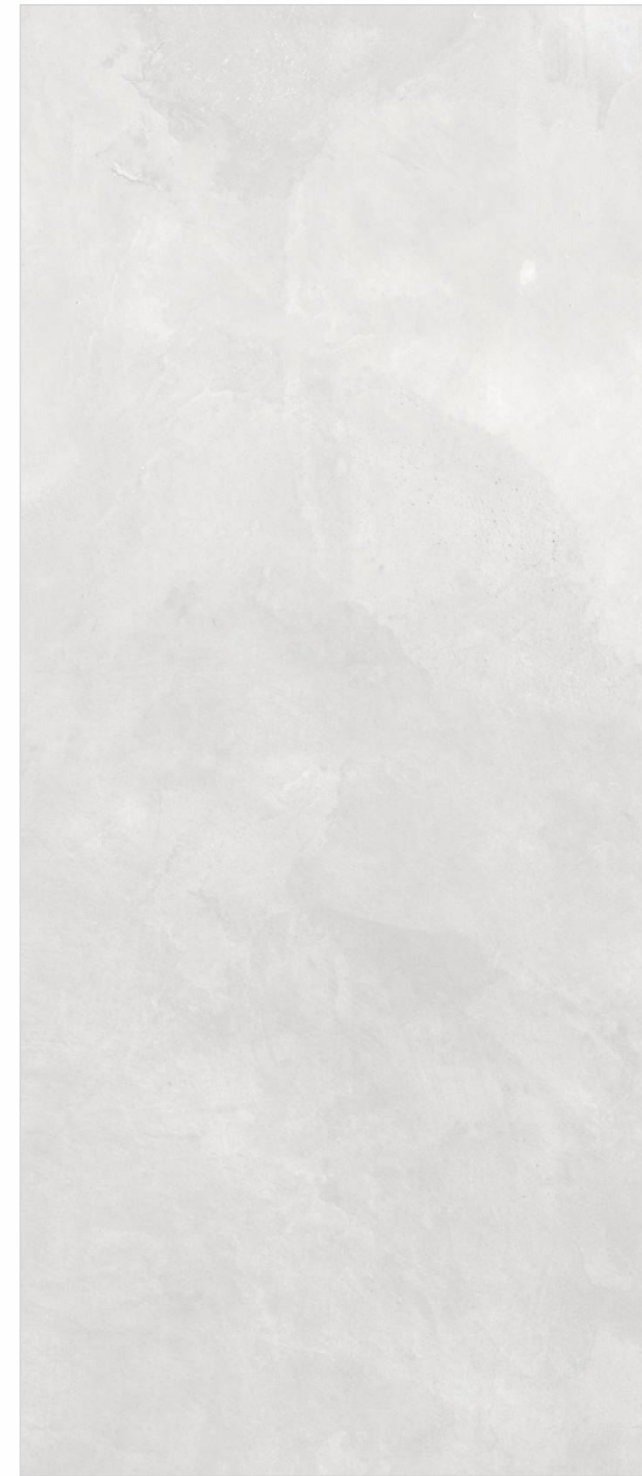


Enigma brings you a marvelous range of tiles that have a high degree of detail, versatility of application and seamless design that was previously unimaginable. These large sized slabs are perfect to give your space a unique and spacious appearance. Enigma evokes the beauty of tiles by fabricating them with the finest quality and rare elegance.

SIZE
120x278cm

FINISHES
Matt & High Gloss

THICKNESS
6mm & 9mm



Pozzolana Smoke

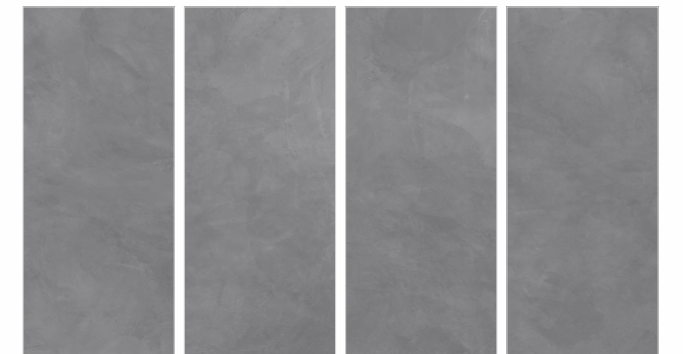


Pozzolana Nero

Random Face



Random Face



POZZOLANA



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm

Floor
Pozzolana Smoke
Pozzolana Nero



Pozzolana Gris

Random Face



POZZOLANA



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm

Floor
Pozzolana Gris



POZZOLANA



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm

Floor
Pozzolana Smoke
Pozzolana Nero



Pozzolana Crema



Pozzolana Tobacco

Random Face



Random Face





Pozzolana Burly

Random Face



POZZOLANA



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm

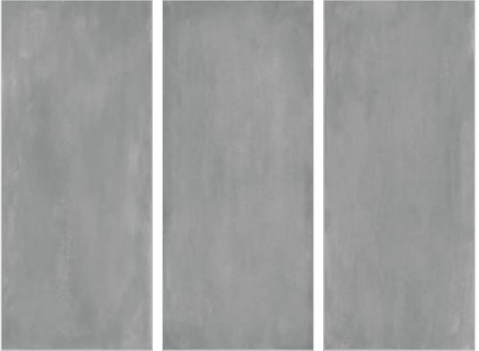
Floor
Pozzolana Burly



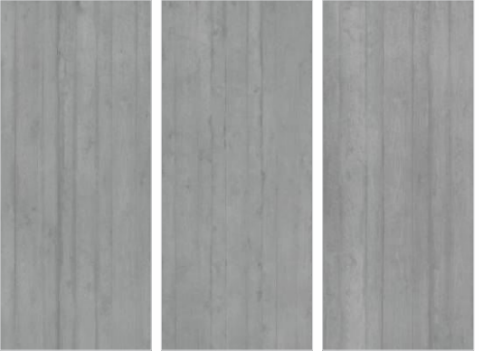
Concrete Charcoal

Wood Charcoal

Random Face



Random Face



INTTEGRITY

Wall
Wood Charcoal

Floor
Concrete Charcoal



SIZE:
120x278cm

SURFACE:
Matt

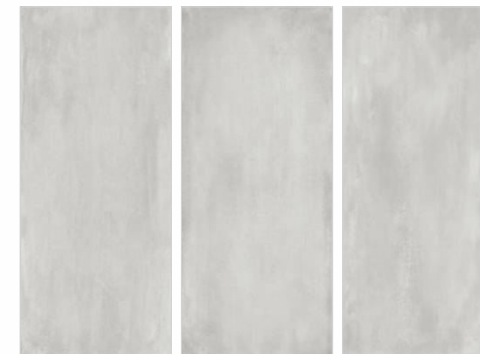
THICKNESS:
9 mm & 6 mm



Concrete Bone

Wood Bone

Random Face



Random Face



INTTEGRITY

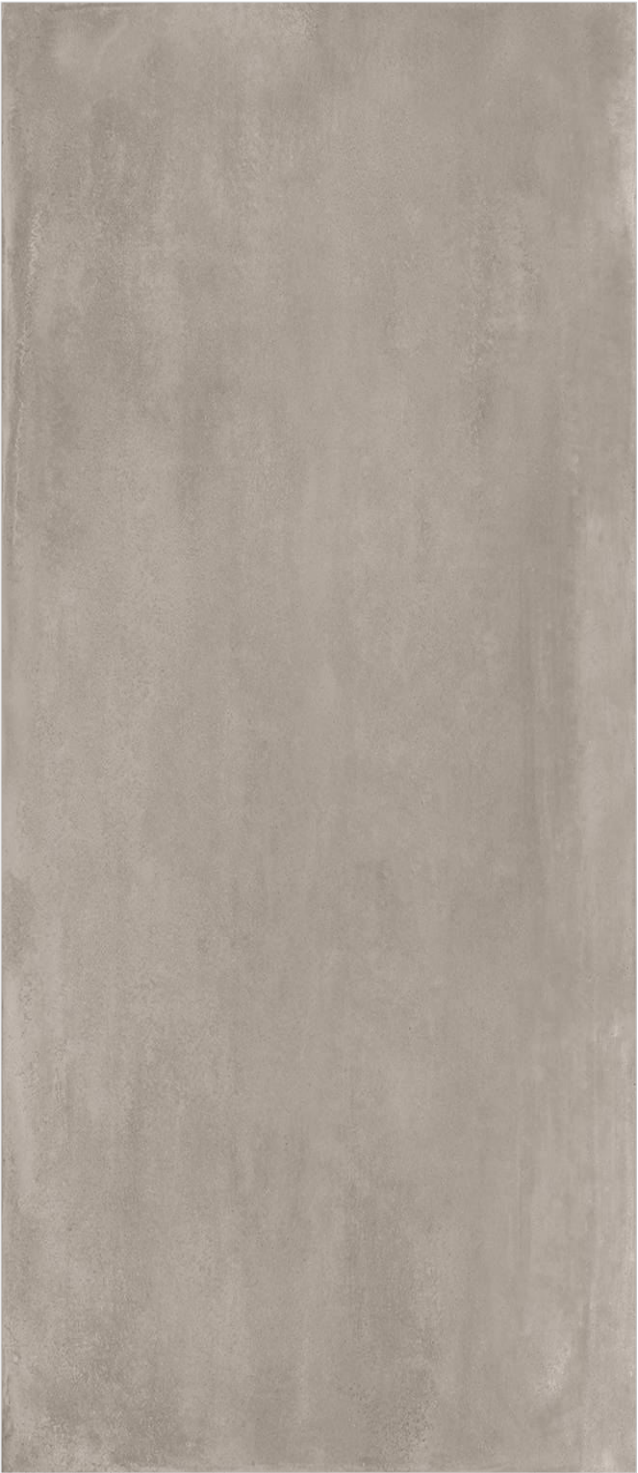


SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm

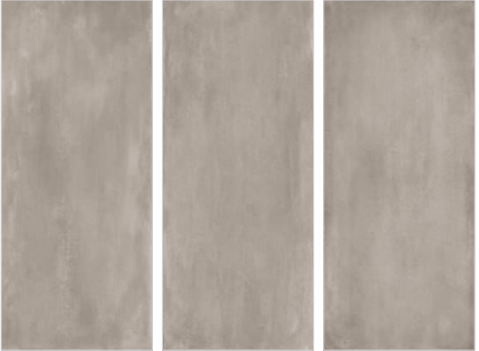
Floor
Pozzolana Smoke
Pozzolana Nero



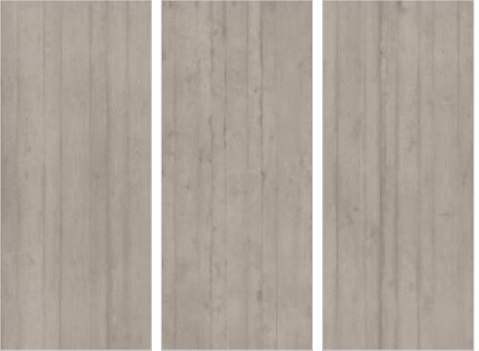
Concrete Taupe

Wood Taupe

Random Face



Random Face



INTTEGRITY

Wall
Wood Taupe

Floor
Concrete Taupe



SIZE: 120x278cm
SURFACE: Matt
THICKNESS: 9 mm & 6 mm



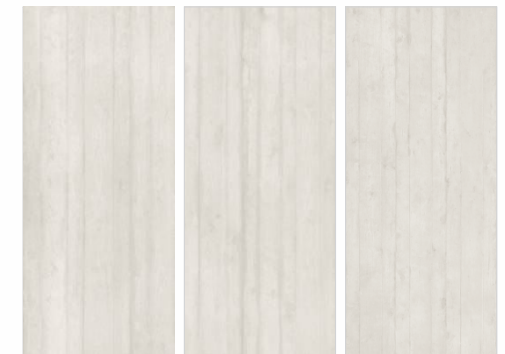
Concrete Camel

Wood Camel

Random Face



Random Face



INTTEGRITY

Wall
Wood Camel

Floor
Concrete Camel



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm



Concrete Nero

Concrete Nero Decor



CONCRETO



SIZE: 120x278cm

SURFACE: Matt

THICKNESS: 9 mm & 6 mm

Wall
Concrete Nero Decor

Floor
Concrete Nero



Concrete Gris

Concrete Gris Decor



CONCRETO



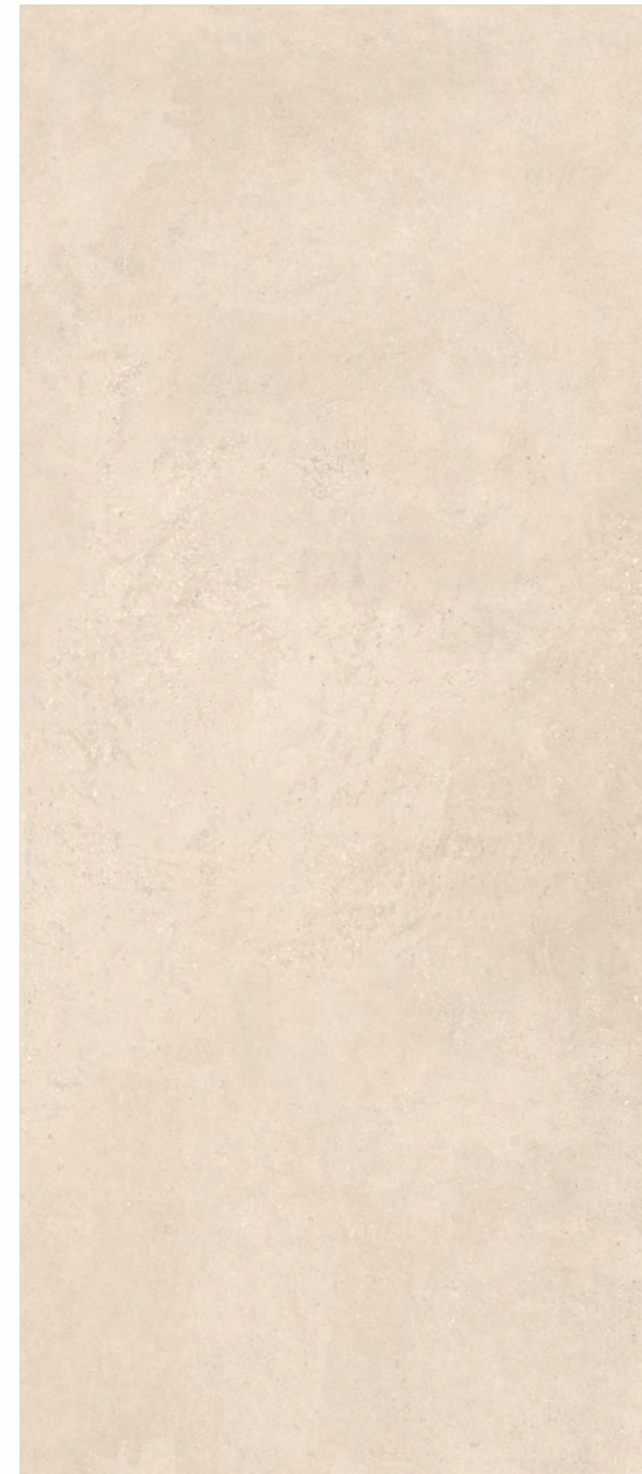
SIZE: 120x278cm

SURFACE: Matt

THICKNESS: 9 mm & 6 mm

Wall
Concrete Nero

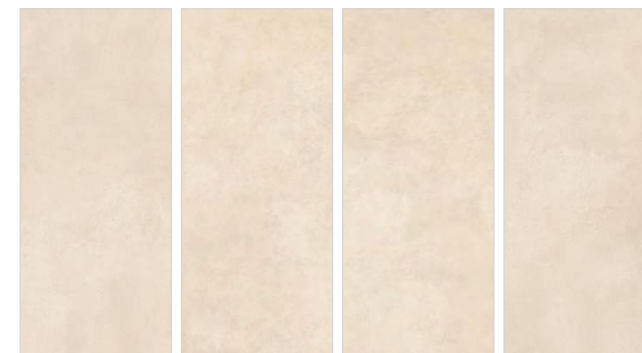
Floor
Concrete Nero



Concrete Barley

Concrete Barley Decor

Random Face



CONCRETO

Wall
Concrete Barly Decor

Floor
Concrete Barly



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm



Concrete Crema



Concrete Crema Decor

Random Face



CONCRETO

Floor
Concrete Barly



SIZE:
120x278cm

SURFACE:
Matt

THICKNESS:
9 mm & 6 mm



Cinerea River

Random Face



PRIMO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

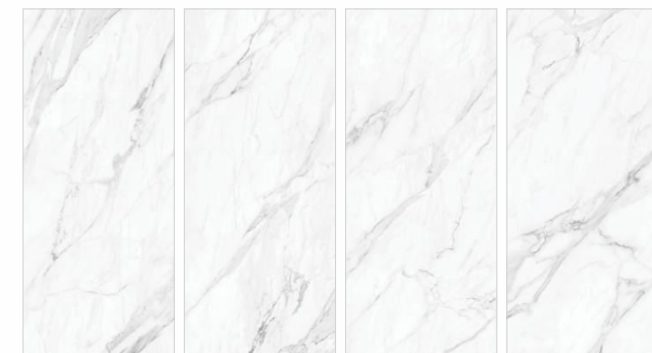
Wall
Cinerea River
Statuario Regalia

Floor
Cinerea River



Statuario Regalia

Random Face



PRIMO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

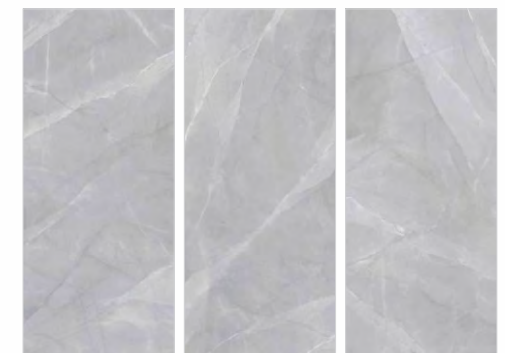
Wall
Statuario Regalia

Floor
Statuario Regalia



Cinerea Armani

Random Face



PRIMO



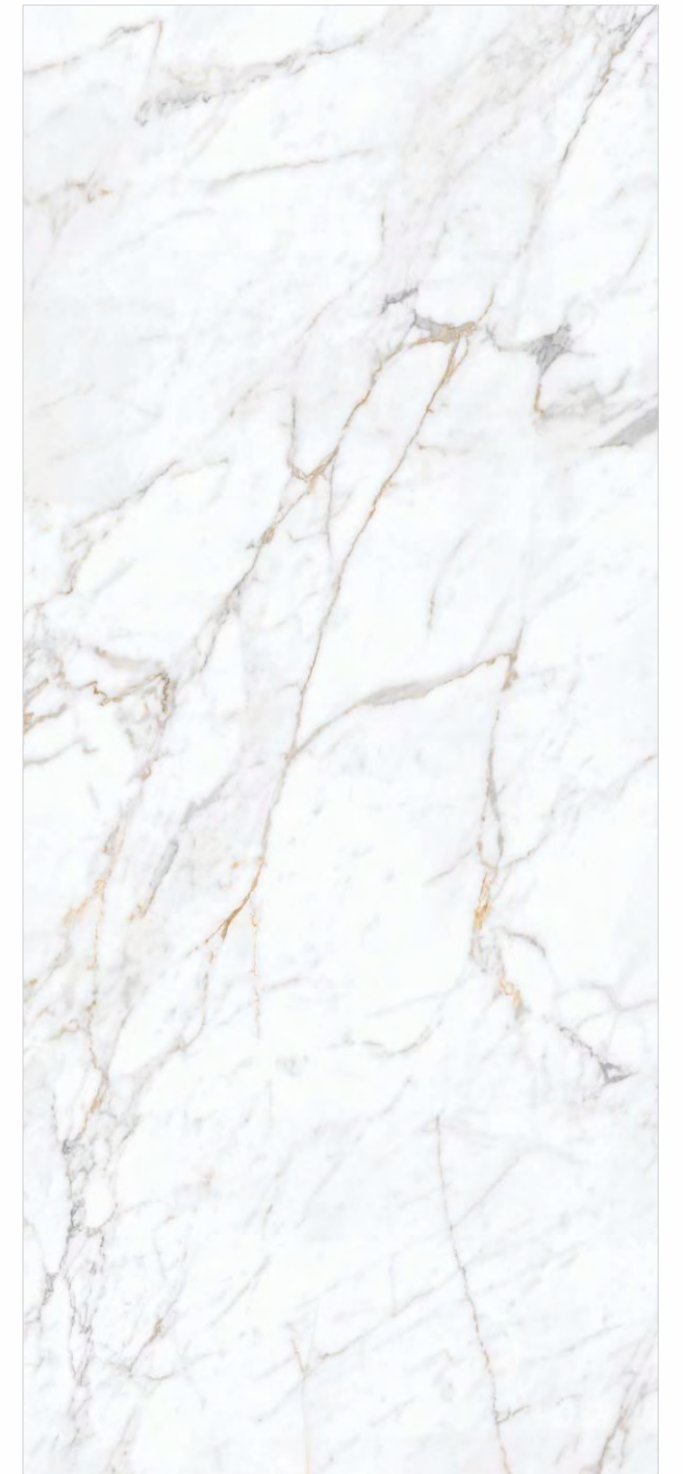
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

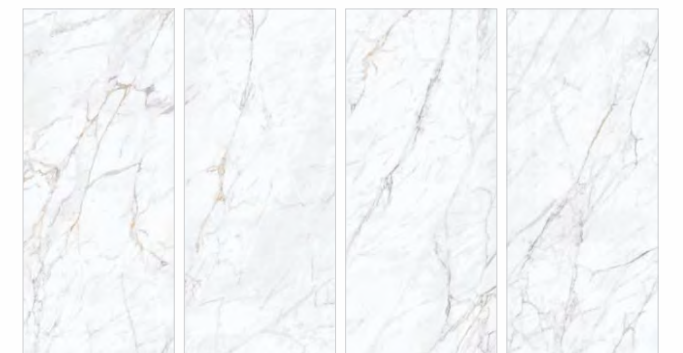
Wall
Cinerea Armani

Floor
Cinerea Armani



Statuario Nex

Random Face



PRIMO



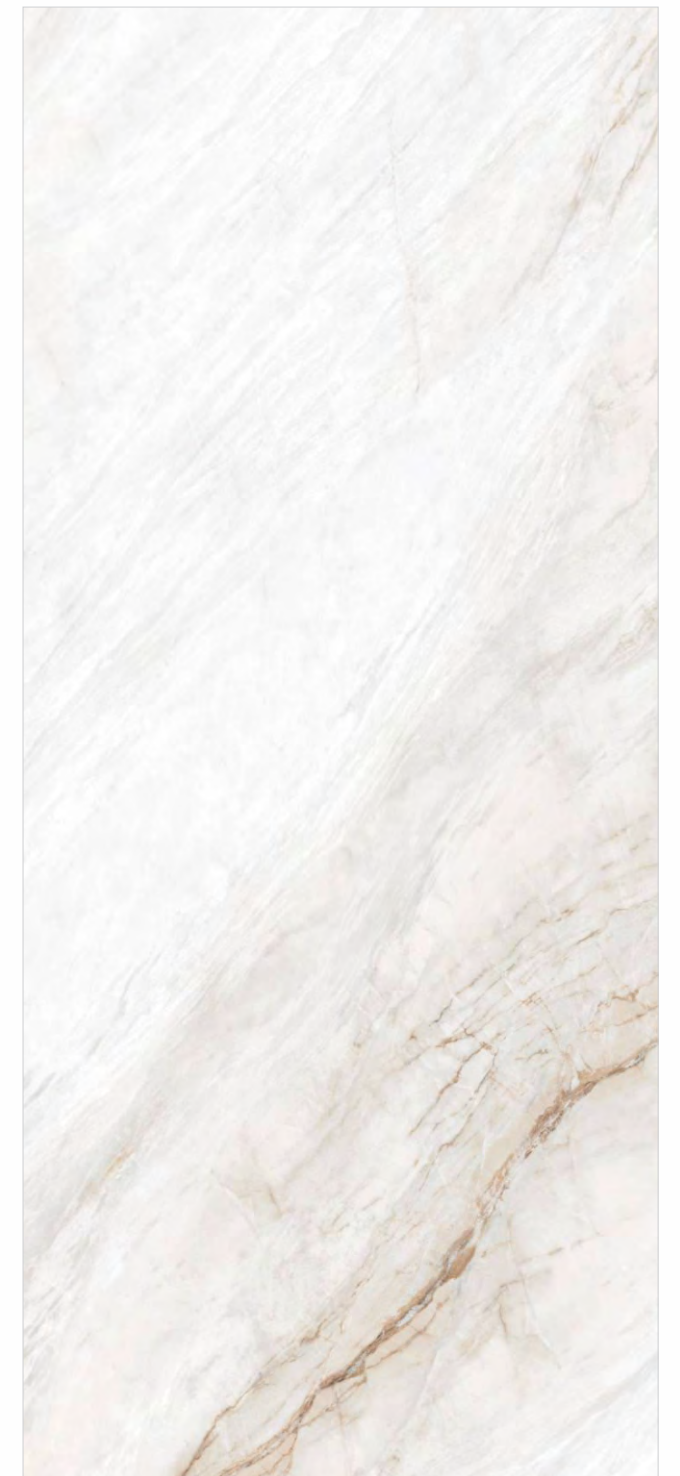
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

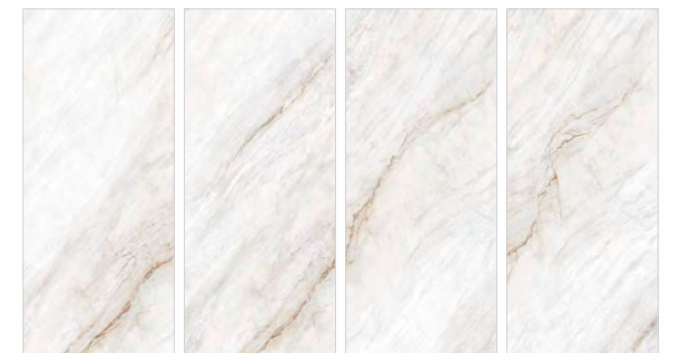
Wall
Statuario Nex

Floor
Statuario Nex



Michelangelo Rust

Continue Faces



PRIMO



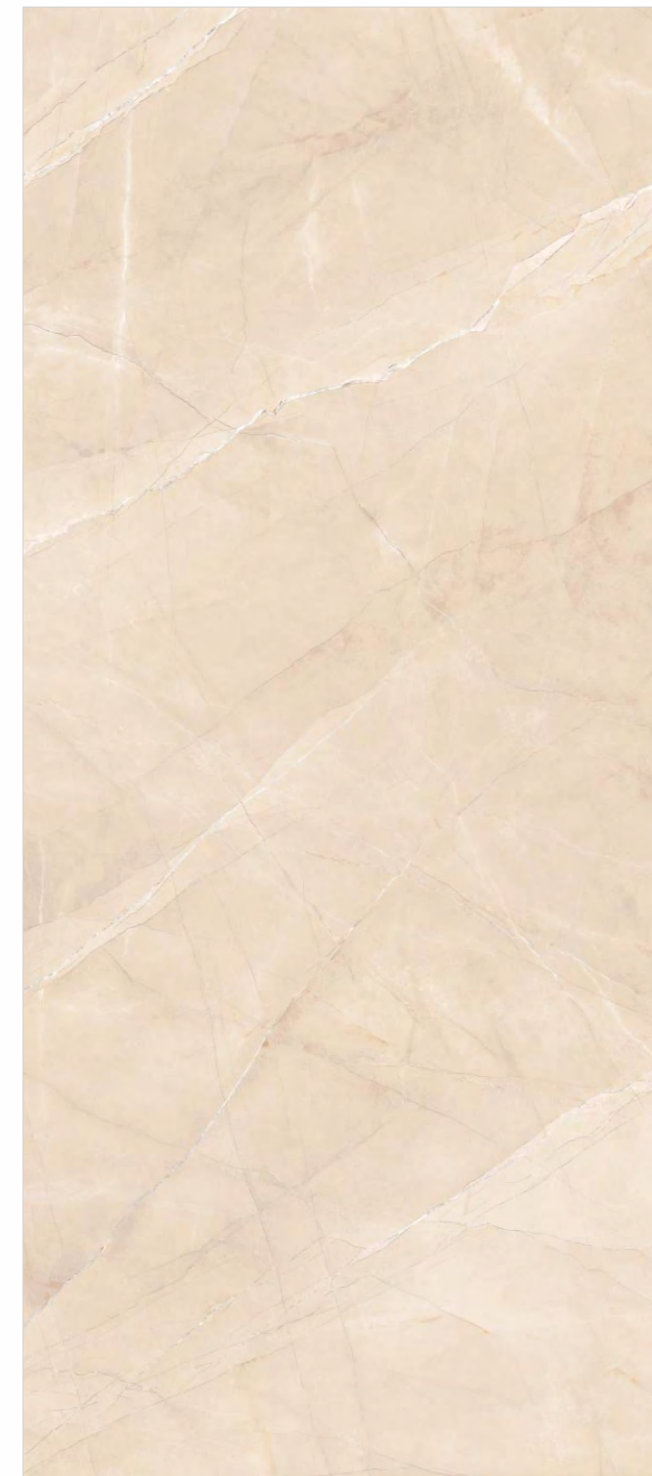
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

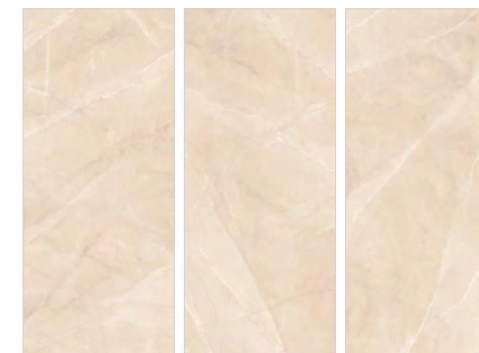
Wall
Michelangelo Rust

Floor
Michelangelo Rust



Armani Sun

Random Face



PRIMO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

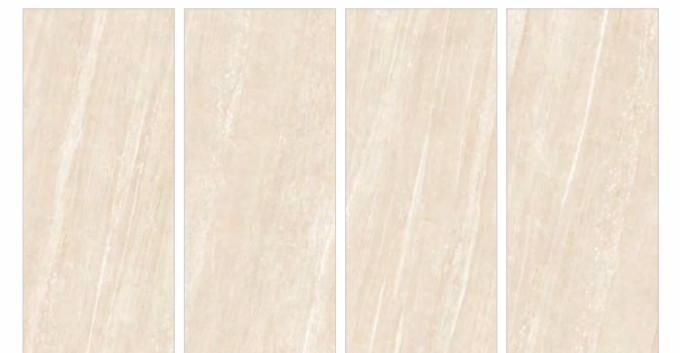
Wall
Armani Sun
Michelangelo Rust

Floor
Armani Sun



Solitary Flakes

Random Face



PRIMO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

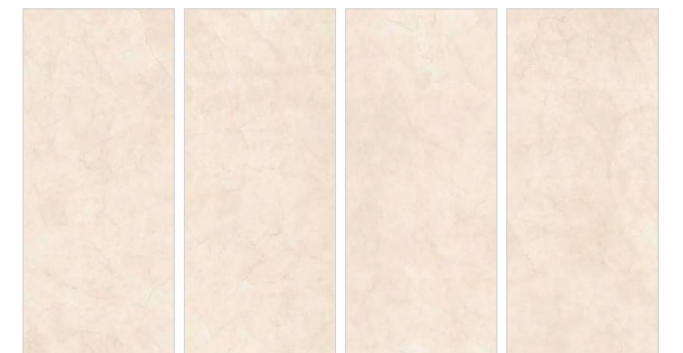
Wall
Solitary Flakes

Floor
Solitary Flakes



Fab Marfil

Random Face



PRIMO



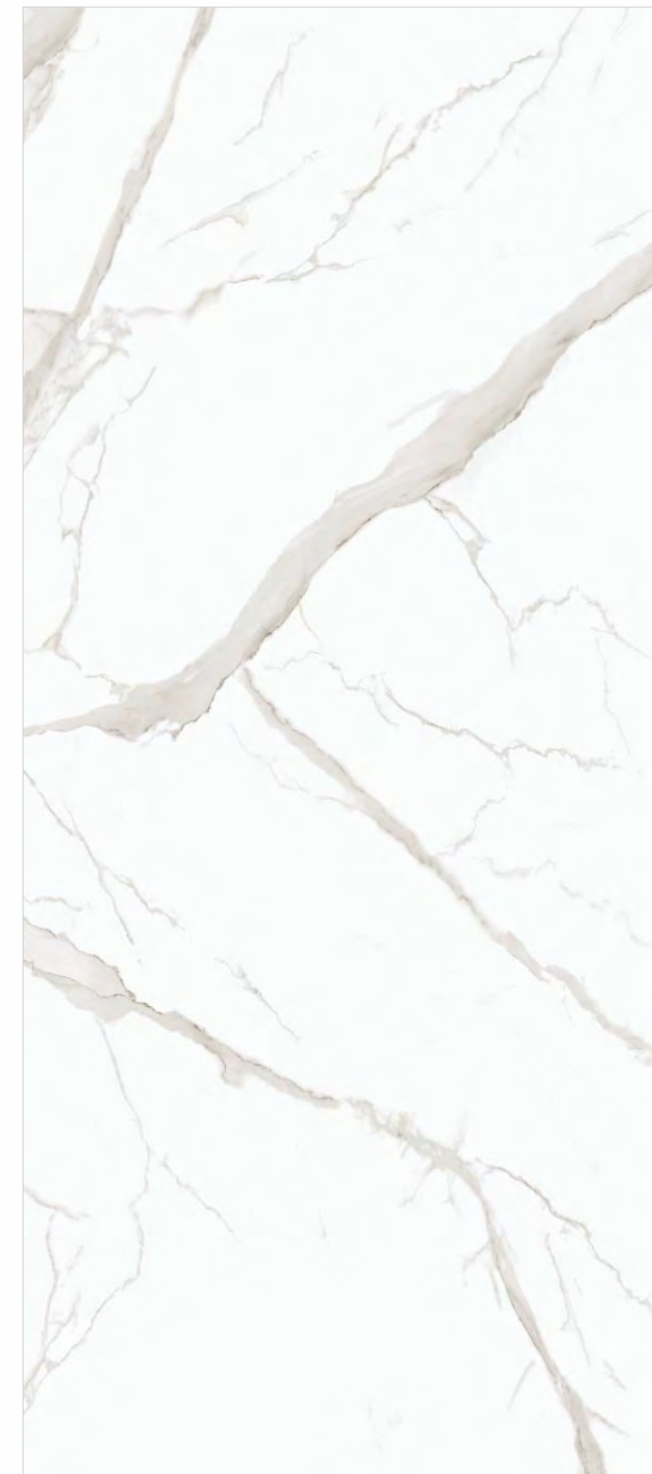
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

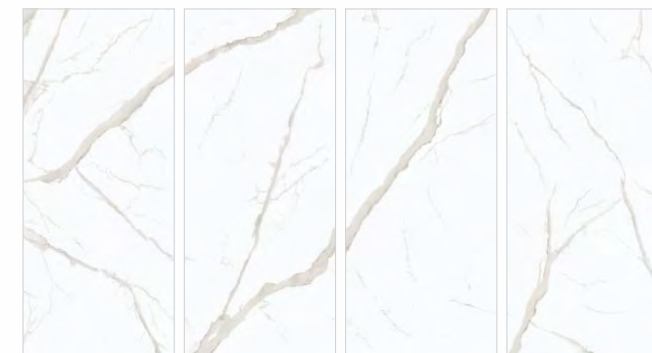
Wall
Fab Marfil

Floor
Fab Marfil



Statuario Hoist

Continue Faces



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

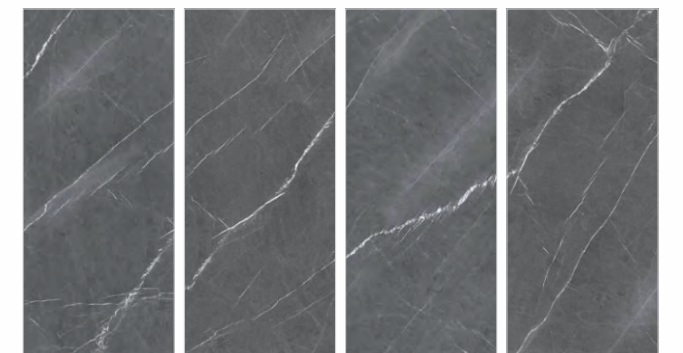
Wall
Pietra Dove
Statuario Hoist

Floor
Statuario Hoist



Pietra Dove

Random Face



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

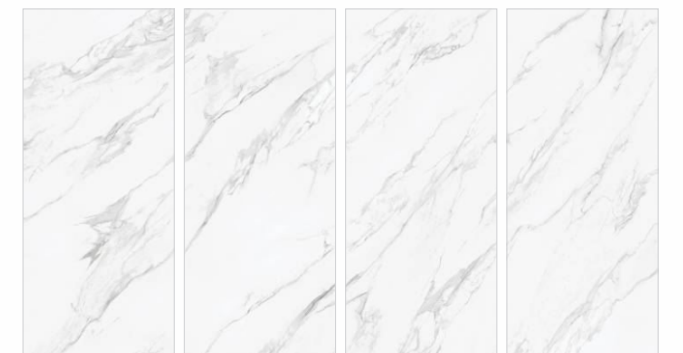
Wall
Pietra Dove
Statuario Hoist

Floor
Statuario Hoist



Statuario Zenith

Continue Faces



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

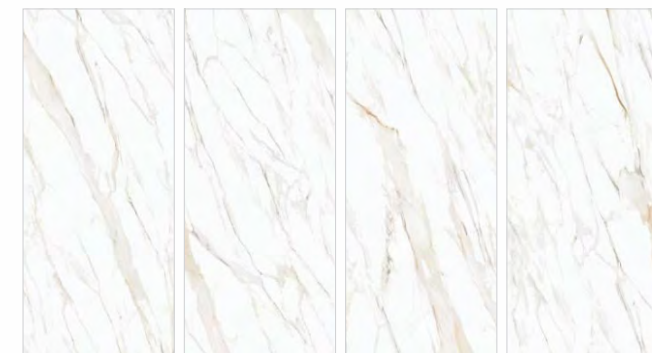
Wall
Statuario Zenith
Saint Laurent

Floor
Statuario Zenith



Calacatta Gold

Random Face



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

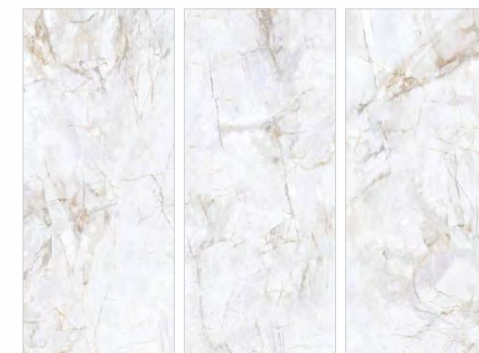
Wall
Calacatta Gold

Floor
Calacatta Gold



Invisible Grey

Random Face



INICIO



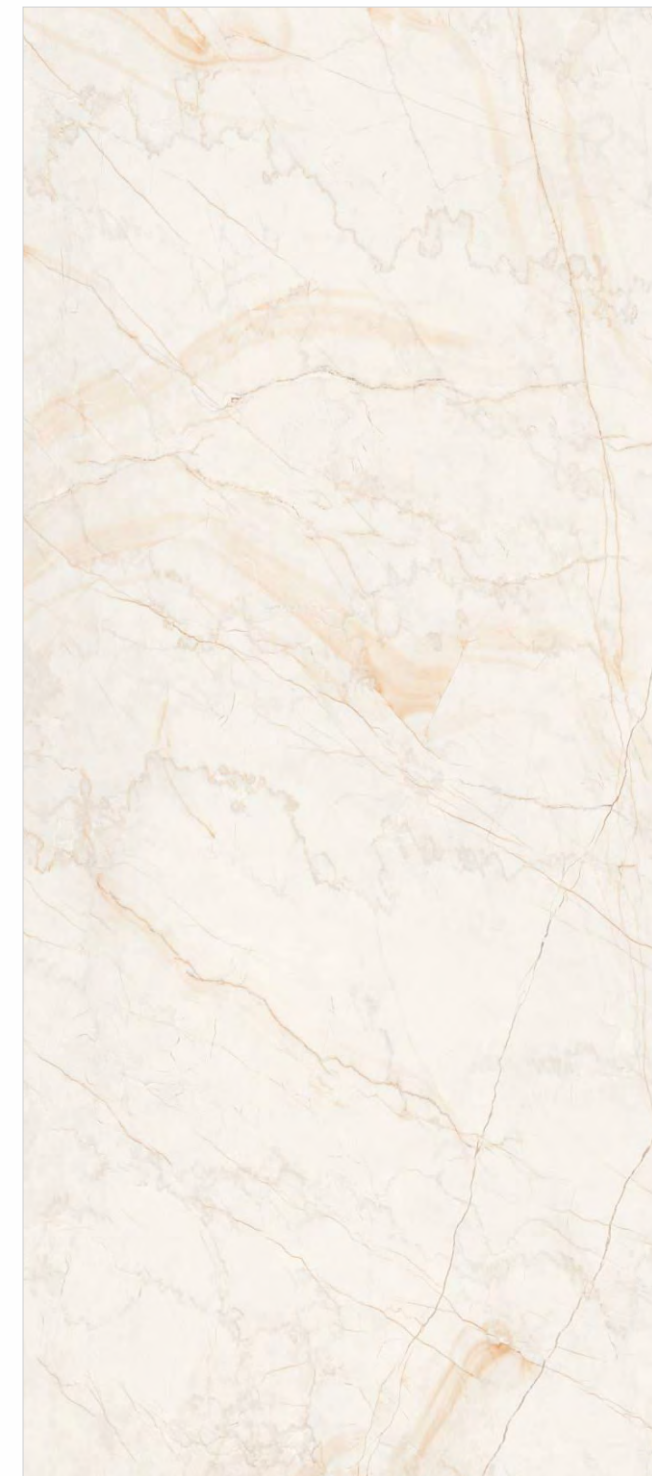
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

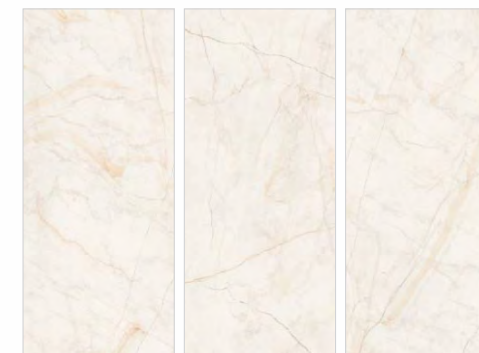
Wall
Pietra Dove

Floor
Invisible Grey



Royal Taupe

Random Face



INICIO



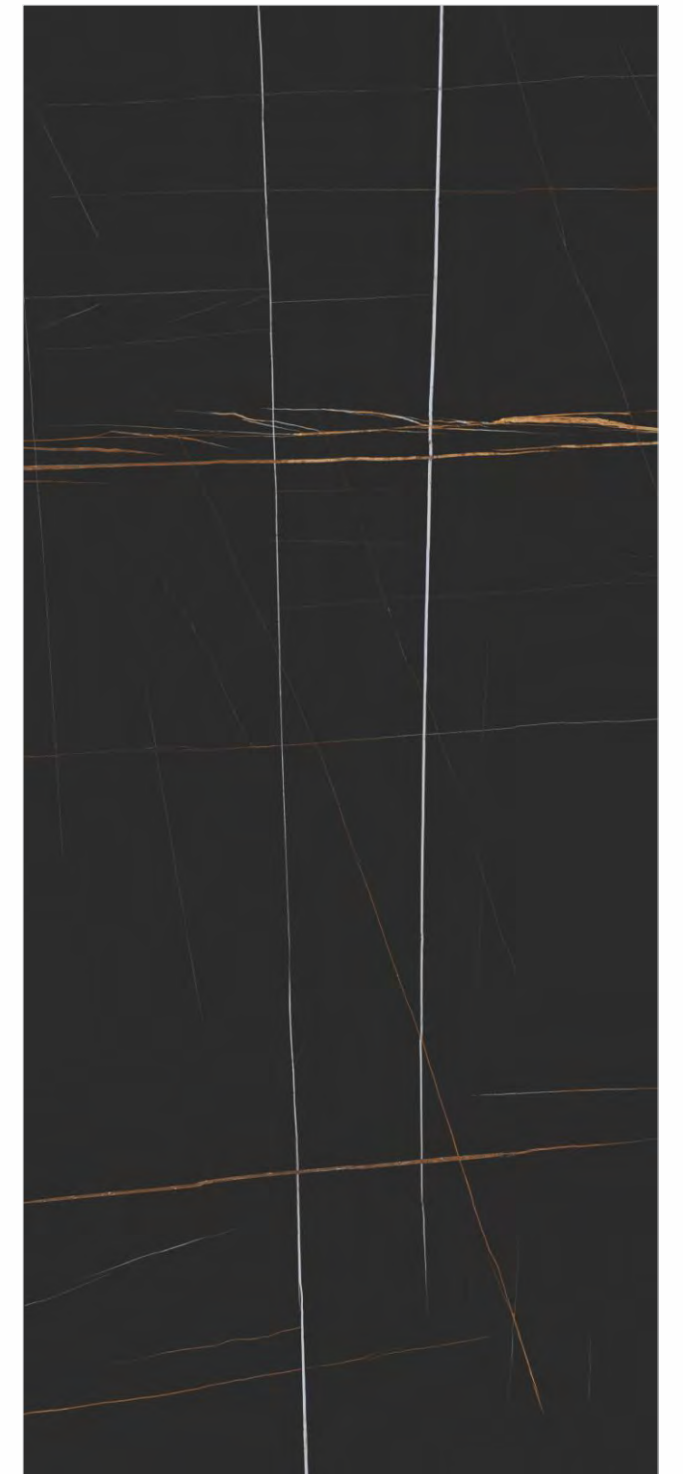
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

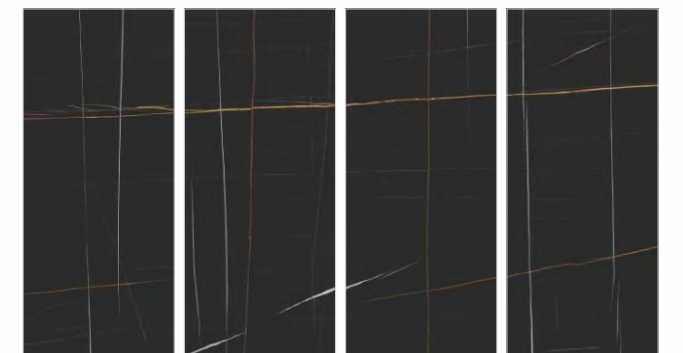
Wall
Saint Laurent

Floor
Royal Taupe



Saint Laurent

Random Face



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

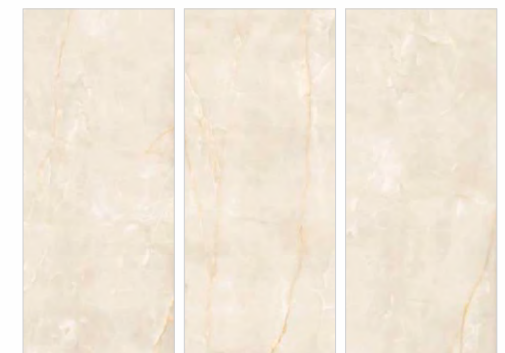
Wall
Saint Laurent

Floor
Royal Taupe



Arel Onyx

Random Face



INICIO



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Arel Onyx

Floor
Arel Onyx



Statuario Smart

Continue Faces (Also Available in Random Faces)



EMPRESSA



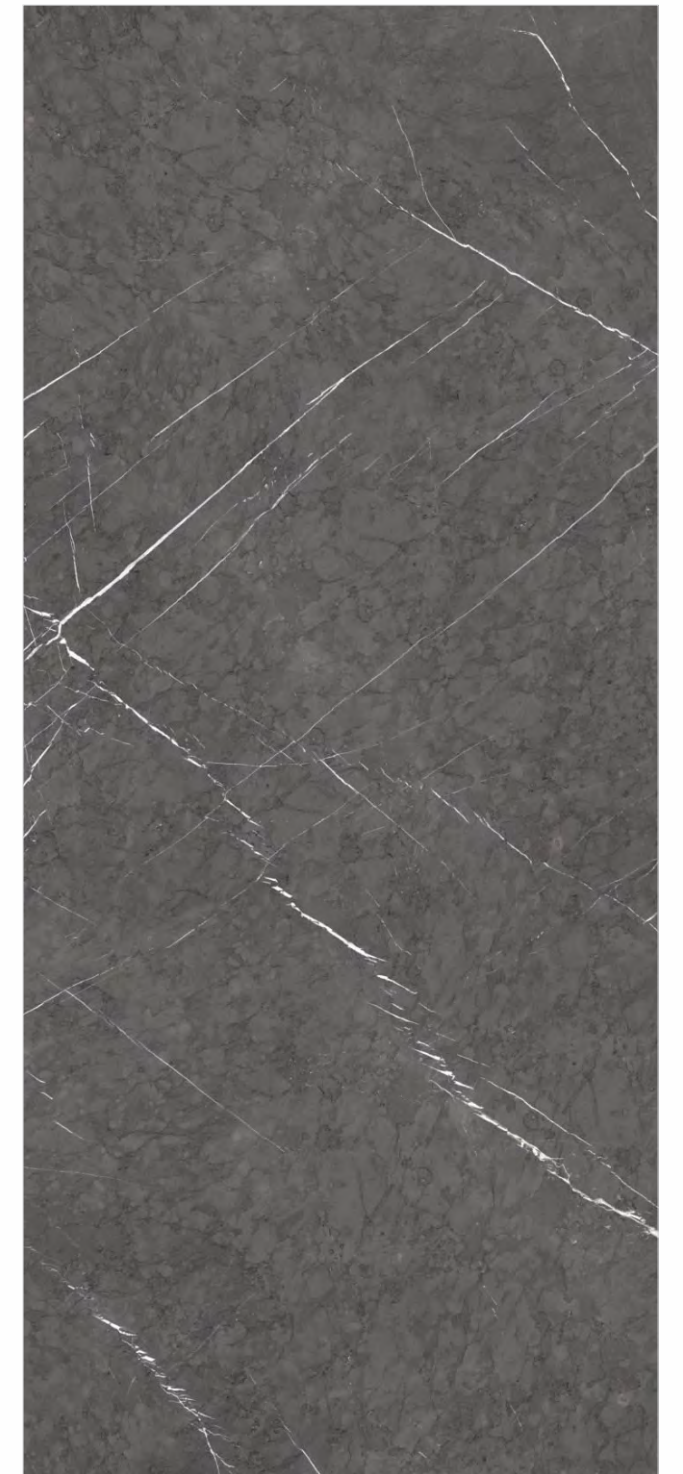
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

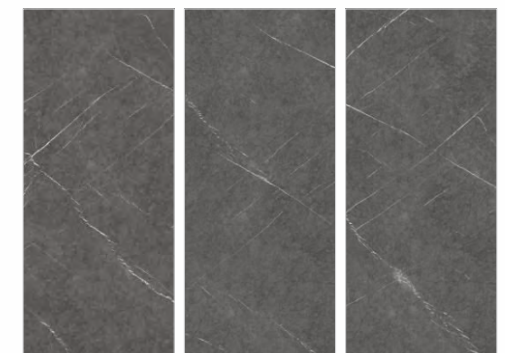
Wall
Statuario Smart - Continue

Floor
Statuario Smart - Random



Pietra Grey

Random Face



EMPRESSA

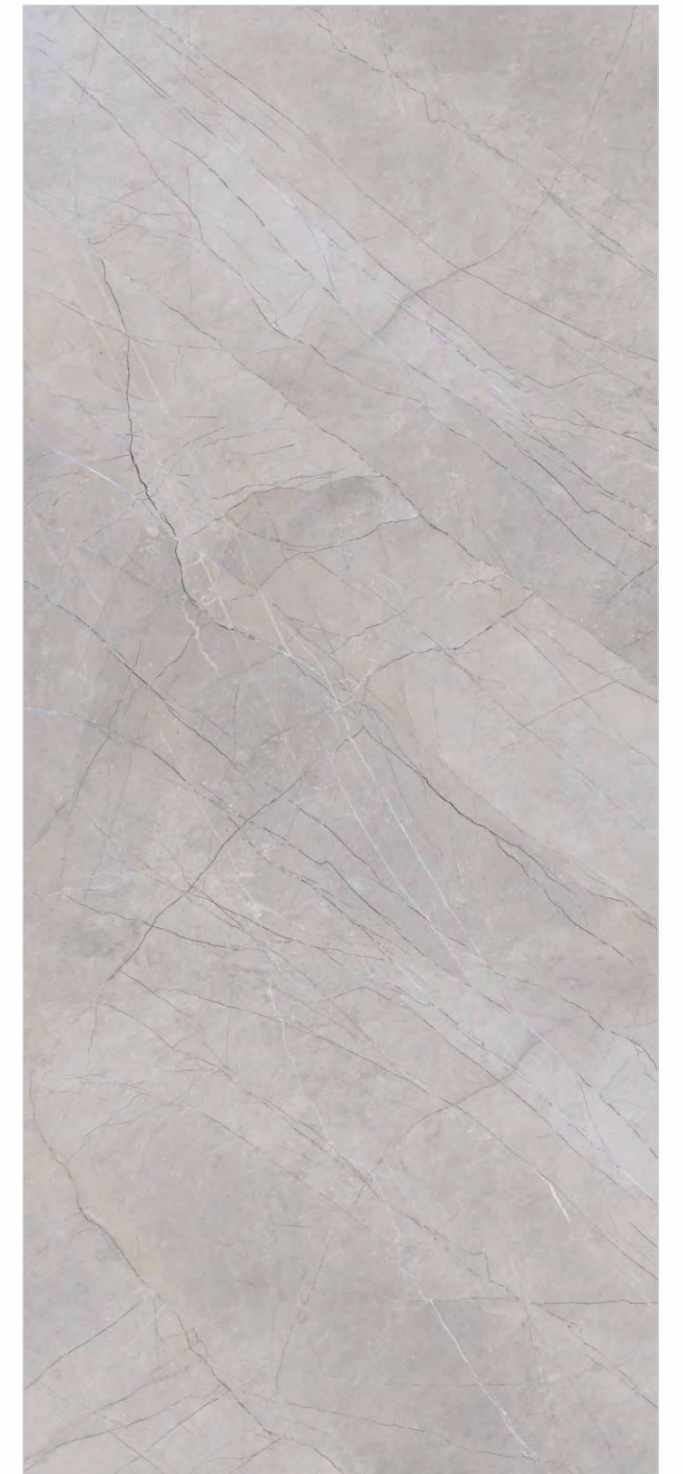


SIZE:
120x278cm

SURFACE:
High Gloss

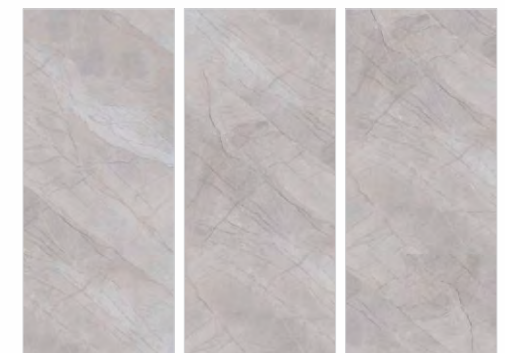
THICKNESS:
9 mm & 6 mm

Floor
Pietra Grey



Armani Grey

Random Face



EMPRESSA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

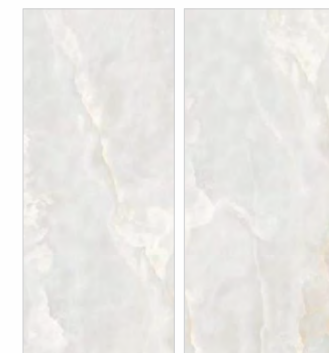
Wall
Armani Grey
Statuario Smart - Continue

Floor
Armani Grey



Ice Onyx

Random Face



EMPRESSA



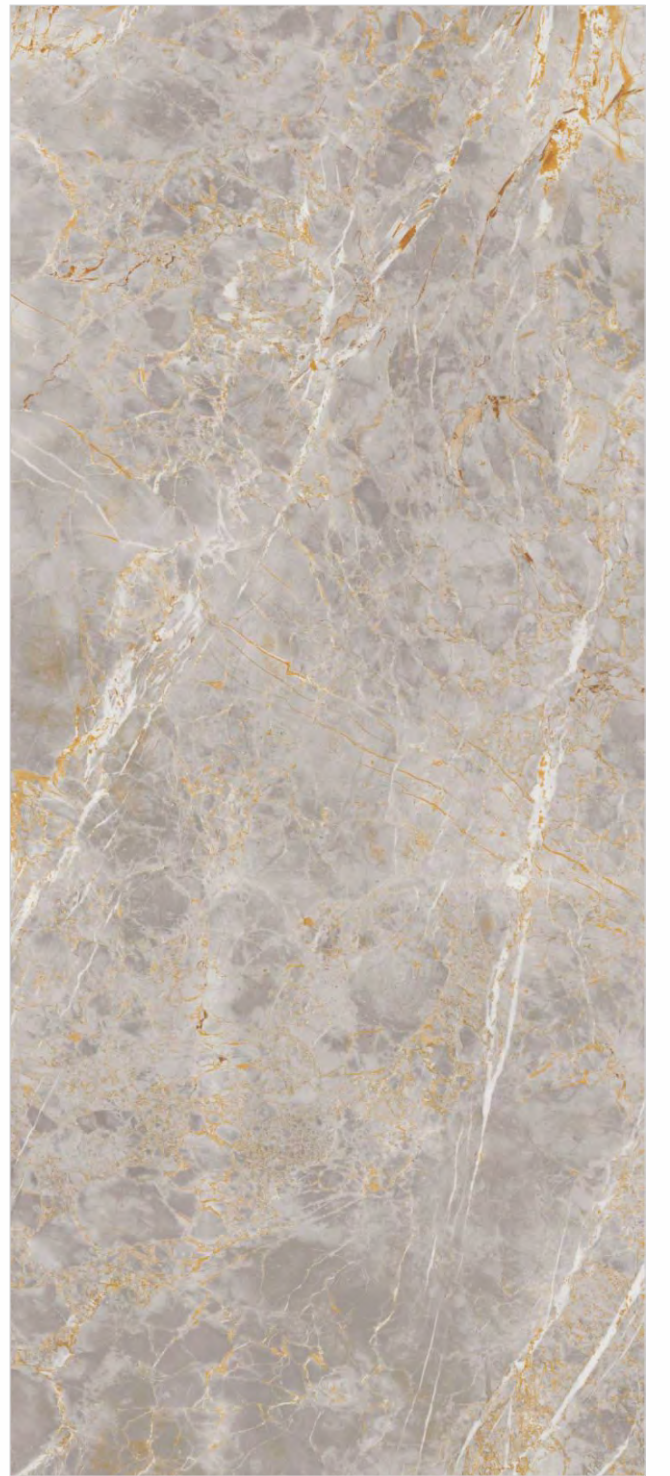
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

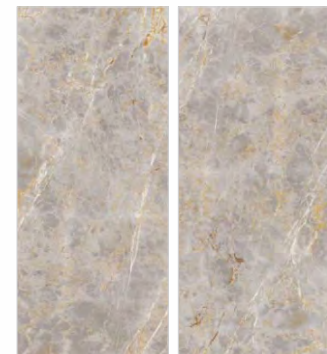
Wall
Ice Onyx

Floor
Sarren Collin



Sarren Collin

Random Face



EMPRESSA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

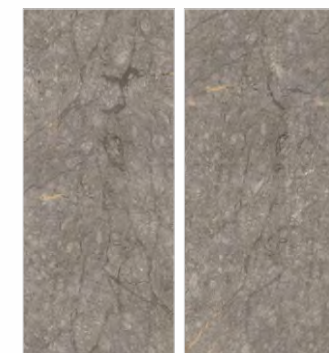
Wall
Statuario Smart - Continue

Floor
Statuario Smart - Random



William Grey

Random Face



EMPRESSA



SIZE:
120x278cm

SURFACE:
High Gloss

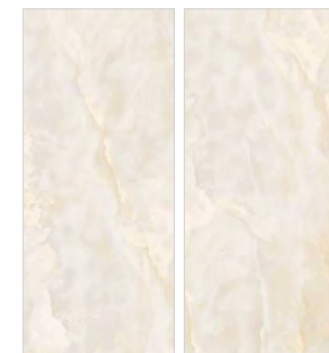
THICKNESS:
9 mm & 6 mm

Floor
William Grey



Honey Onyx

Random Face



GRANDE



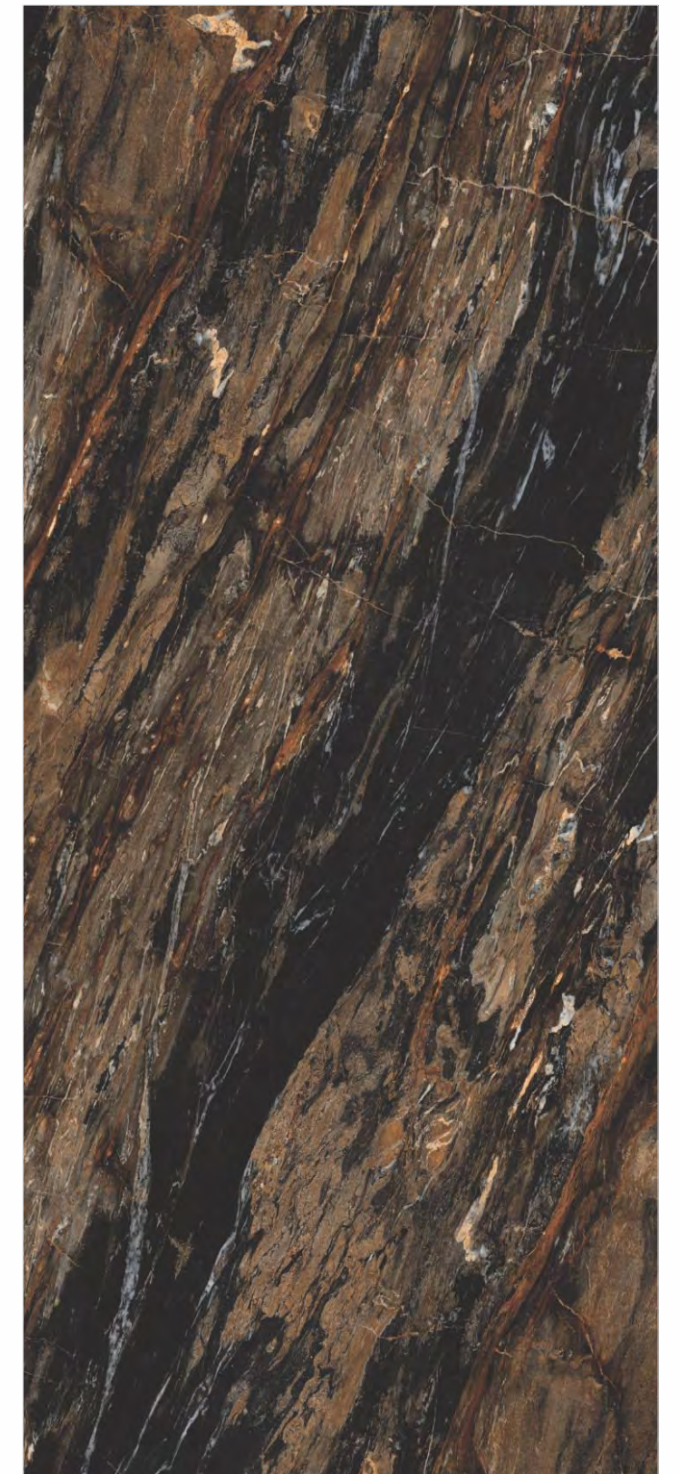
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

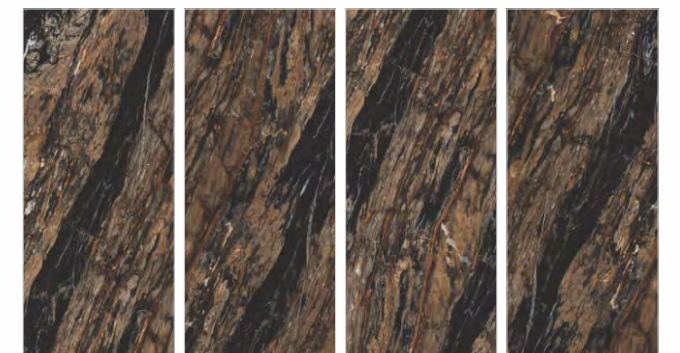
Wall
Honey Onyx

Floor
Honey Onyx



Black Forest

Random Face



GRANDE



SIZE:
120x278cm

SURFACE:
High Gloss

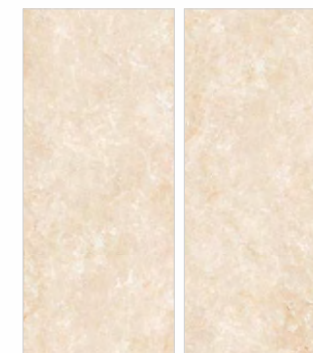
THICKNESS:
9 mm & 6 mm

Floor
Black Forest



Crema Dinova

Random Face



GRANDE



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

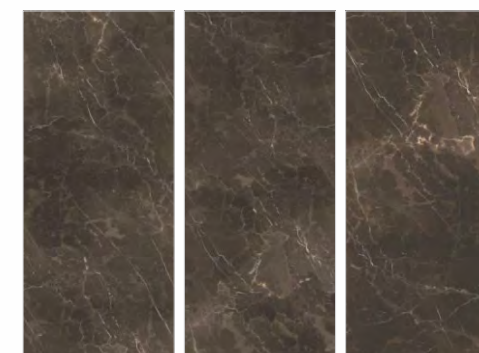
Wall
Crema Dinova

Floor
Crema Dinova



Champion Coffee

Random Face



GRANDE



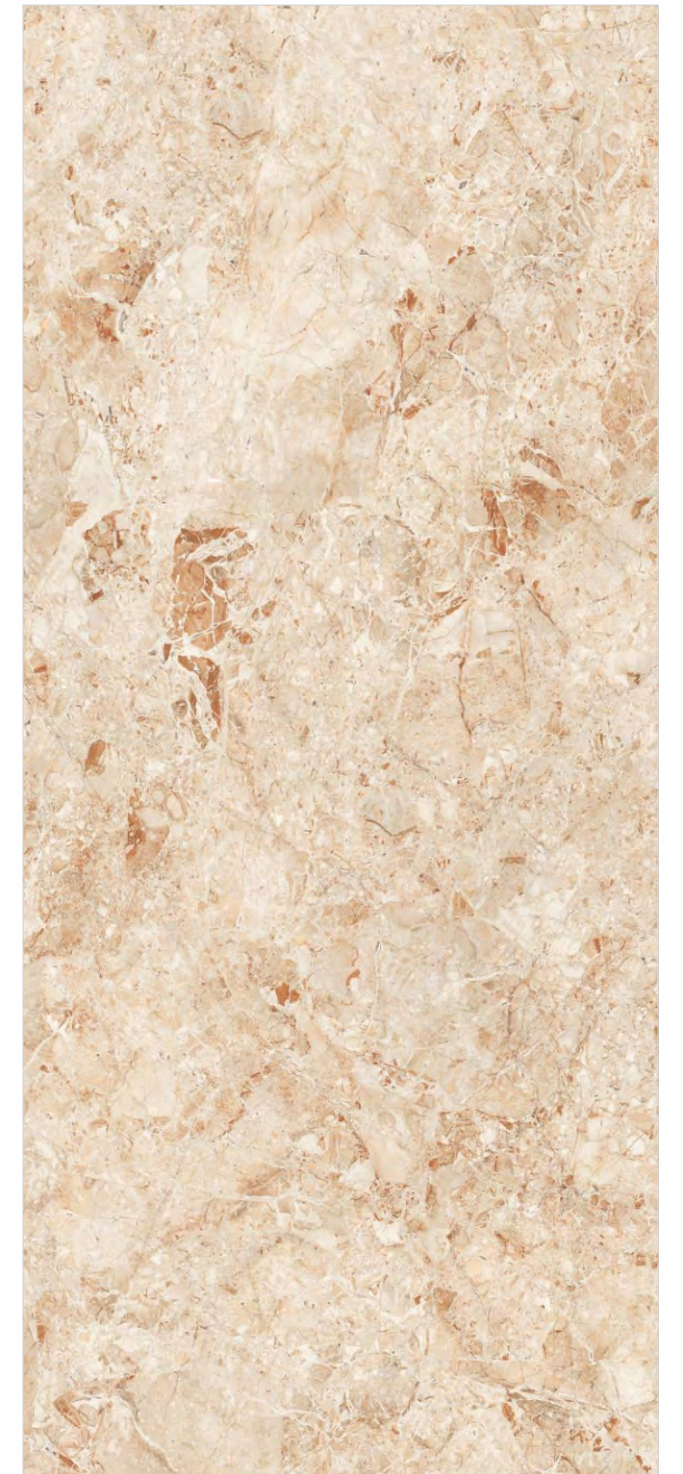
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Crema Dinova

Floor
Champion Coffee



Brescia Seamless

Random Face



GRANDE



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Brescia Seamless

Floor
Brescia Seamless



Emperador Fume

Random Face



GRANDE



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Emperador Fume

Floor
Emperador Fume



Burberry Crema

Random Face



GRANDE



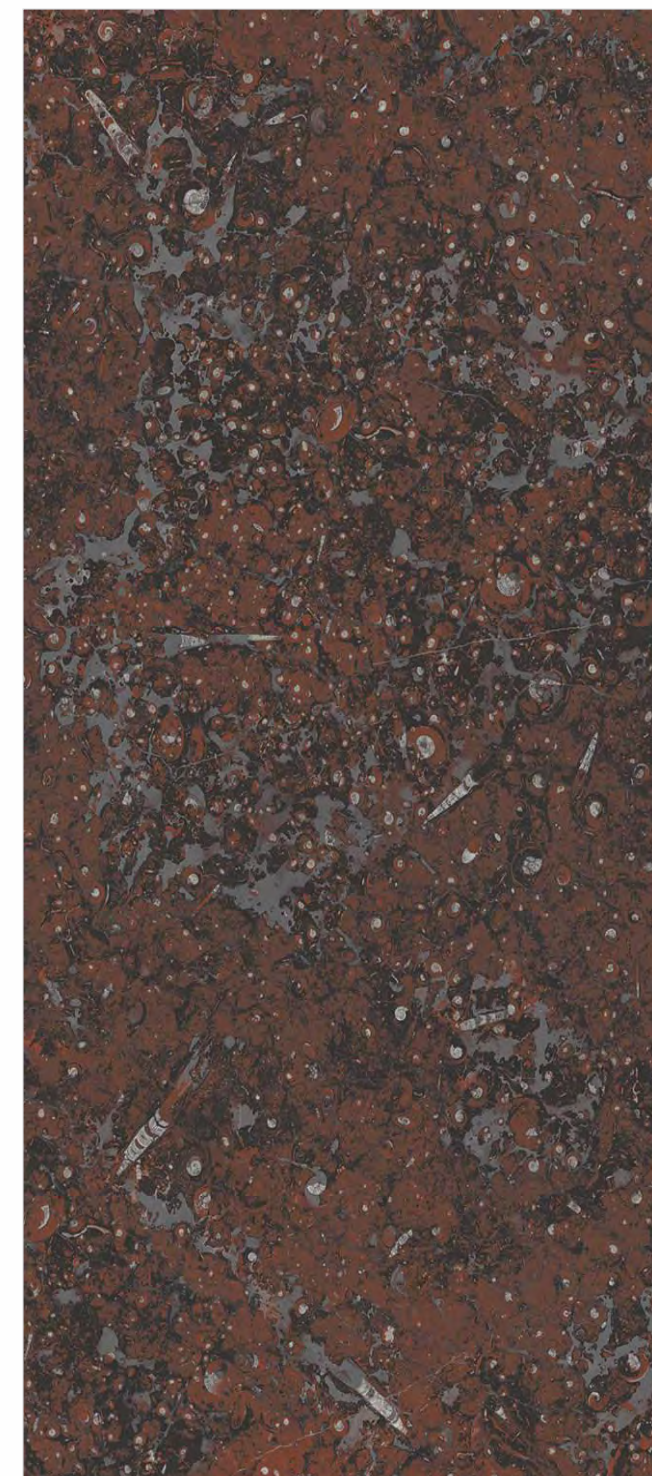
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Burberry Crema

Floor
Burberry Crema



Maroon Fossile

Random Face



ARMONIA



SIZE:
120x278cm

SURFACE:
High Gloss

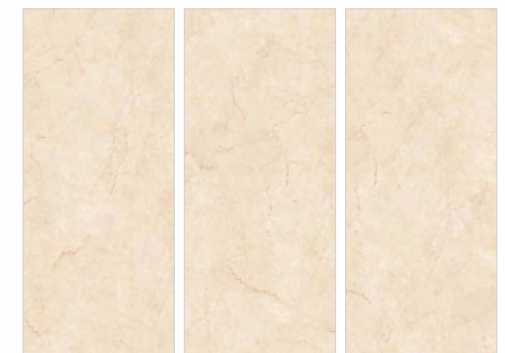
THICKNESS:
9 mm & 6 mm

Floor
Maroon Fossile



Bottochino Caldo

Random Face



ARMONIA



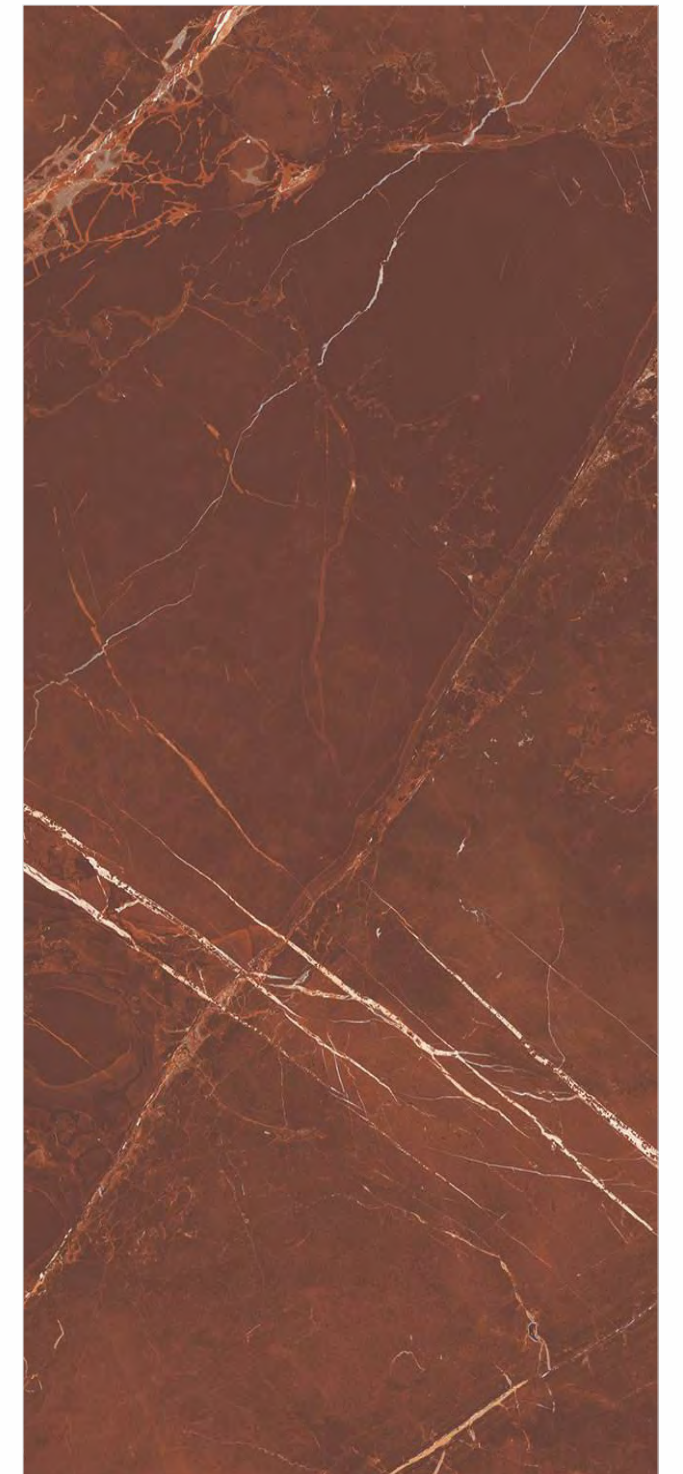
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

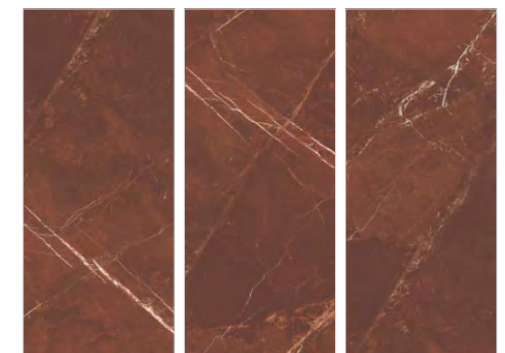
Wall
Rosso Colleman

Floor
Bottochino Caldo



Rosso Colleman

Random Face



ARMONIA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

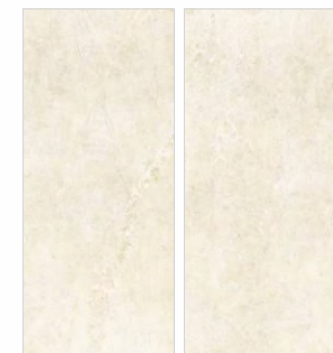
Wall
Rosso Colleman

Floor
Novelle Crema



Novelle Crema

Random Face



ARMONIA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Novelle Crema

Floor
Havana Brown



Havana Brown

Random Face



ARMONIA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

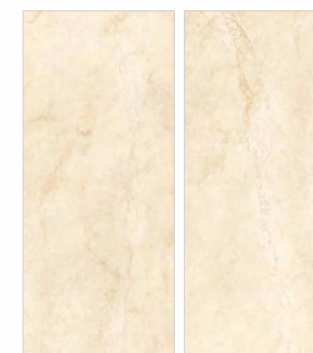
Wall
Havana Brown

Floor
Bottochino Caldo



Crema Marfil

Random Face



ARMONIA



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Havana Brown

Floor
Crema Marfil



Silver Root

Random Face



SOUL



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

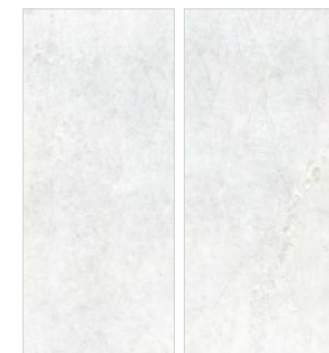
Wall
Novelle Gris

Floor
Silver Root



Novelle Gris

Random Face



SOUL



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Floor
Novelle Gris



Black Beauty

Random Face



SOUL



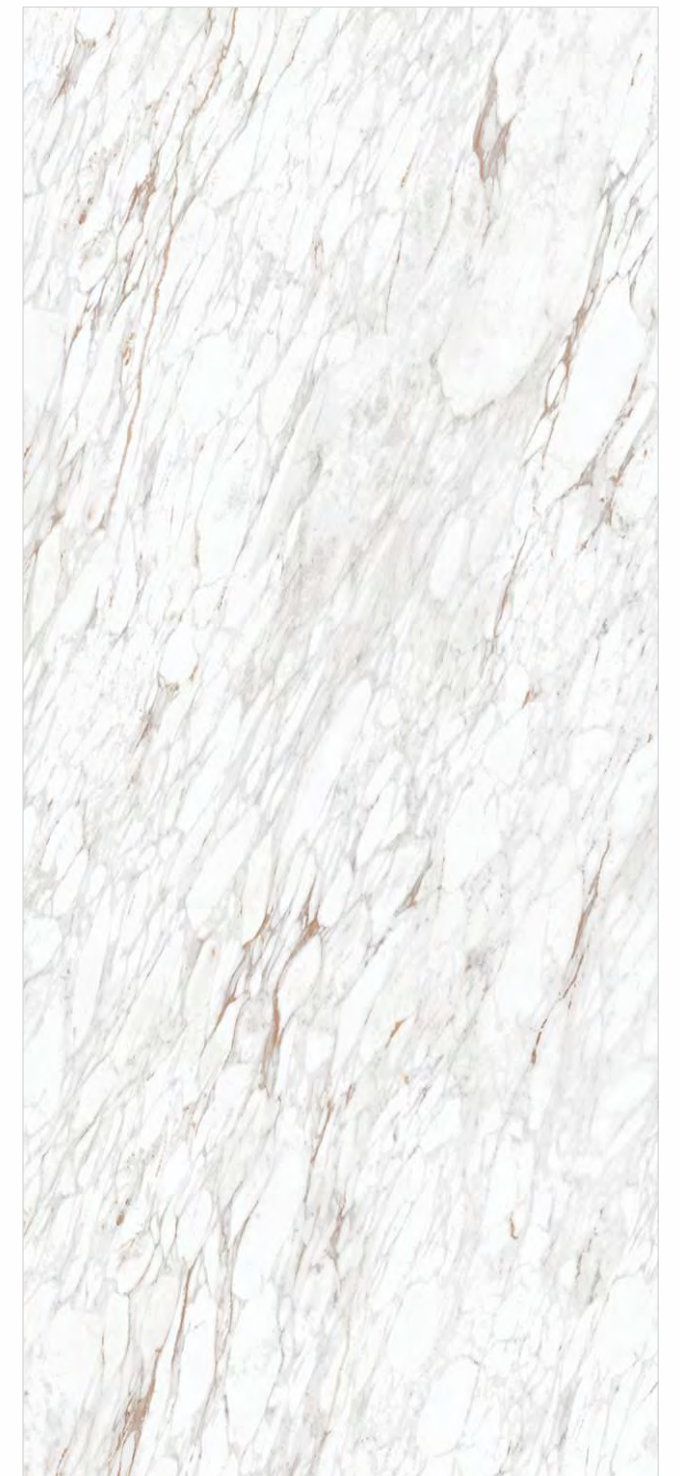
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

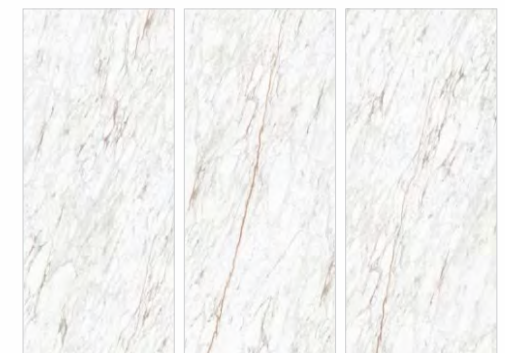
Wall
Carrara Neo - Continue

Floor
Black Beauty



Carrara Neo

Random Face



SOUL



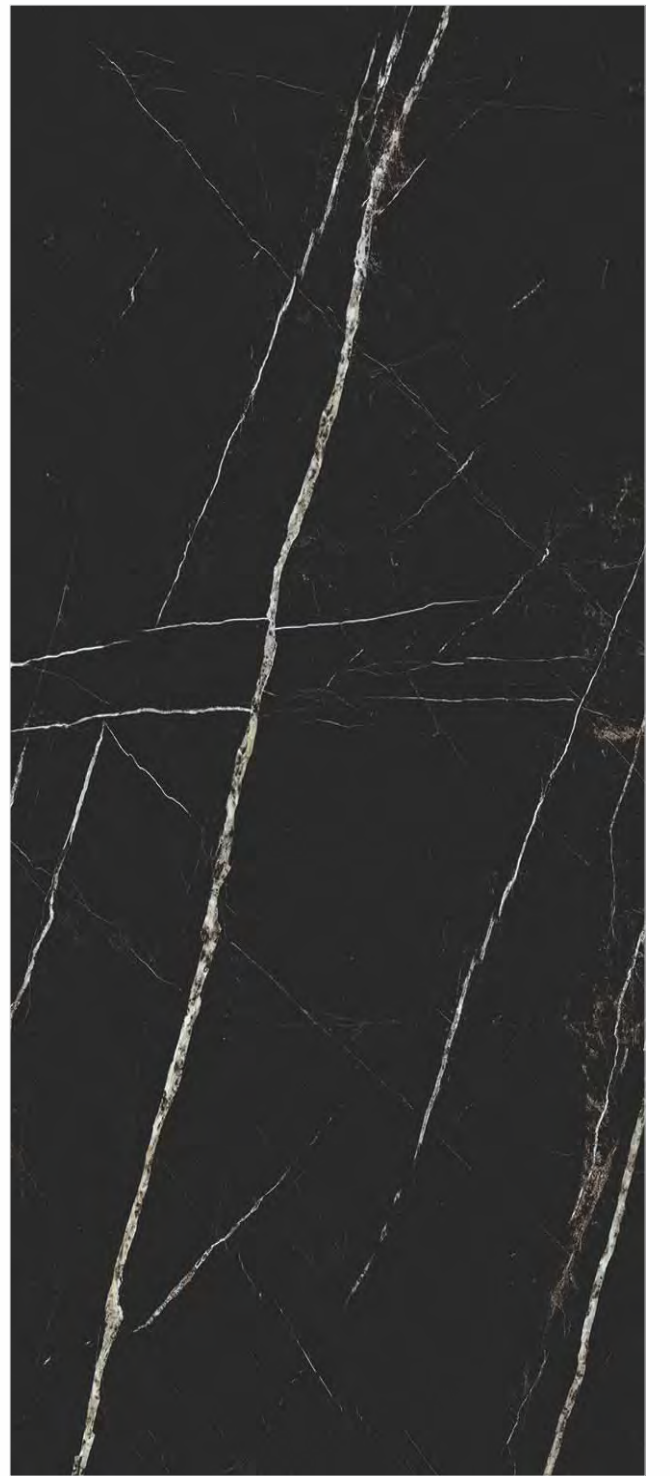
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

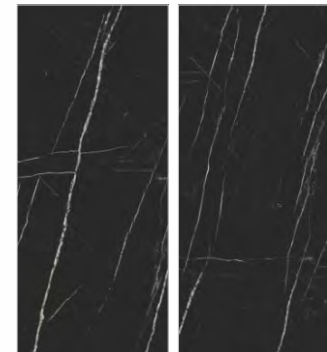
Counter Top
Black Beauty

Floor
Carrara Neo



Black Marquina

Random Face



SOUL



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

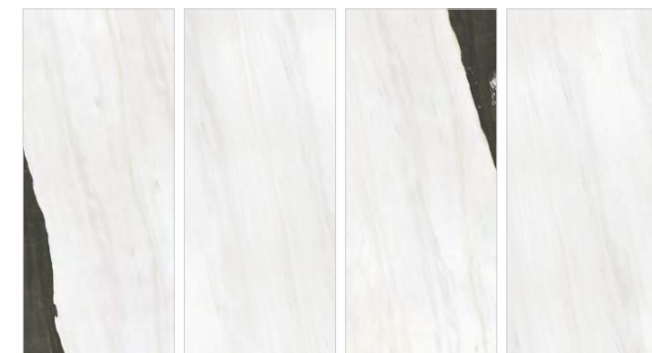
Wall
Black Marquina

Floor
Panda White



Panda White

Random Face



SOUL



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

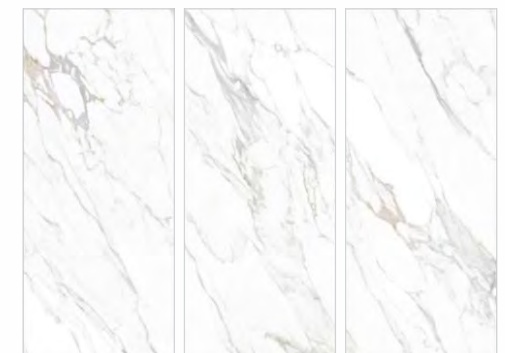
Wall
Black Marquina

Floor
Panda White



Avalanche White

Random Face



LUSTROUS

Wall
Avalanche White

Floor
Burberry Gris



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Cinerea Endless

Random Face



POLAR



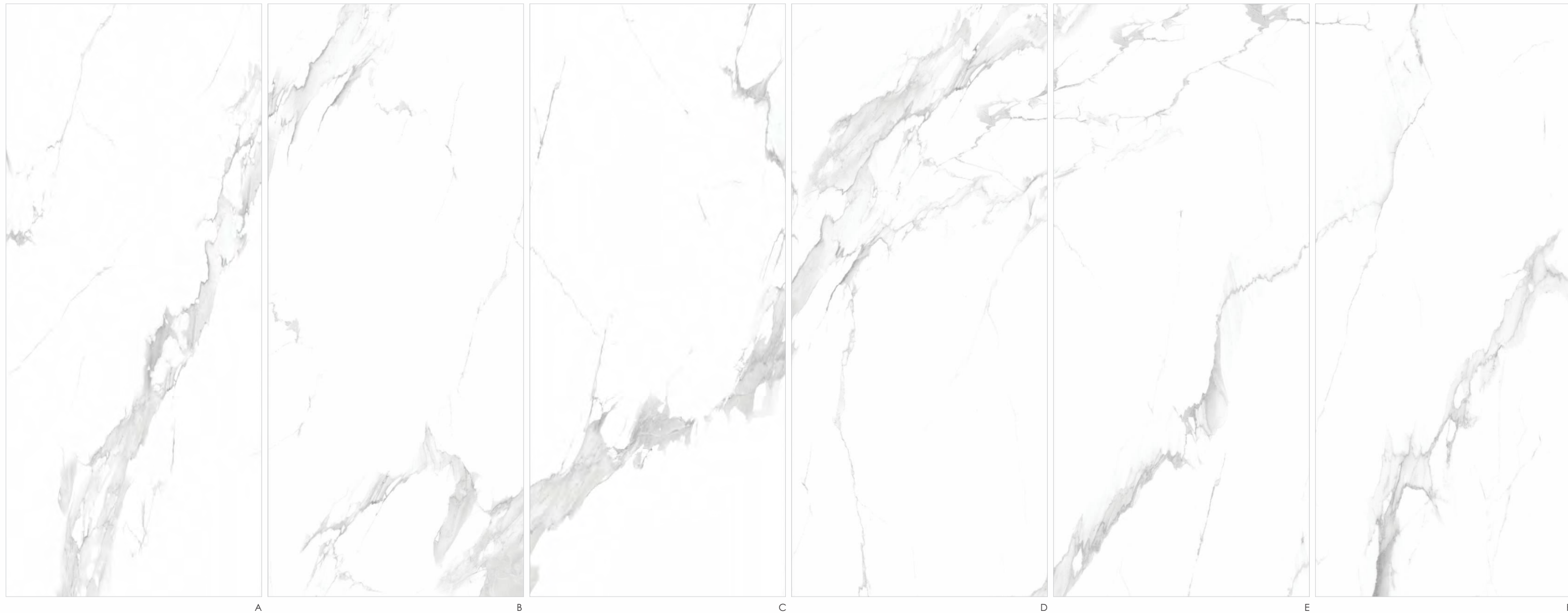
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Wall
Cinerea Endless
Statuario Shine

Floor
Cinerea Endless



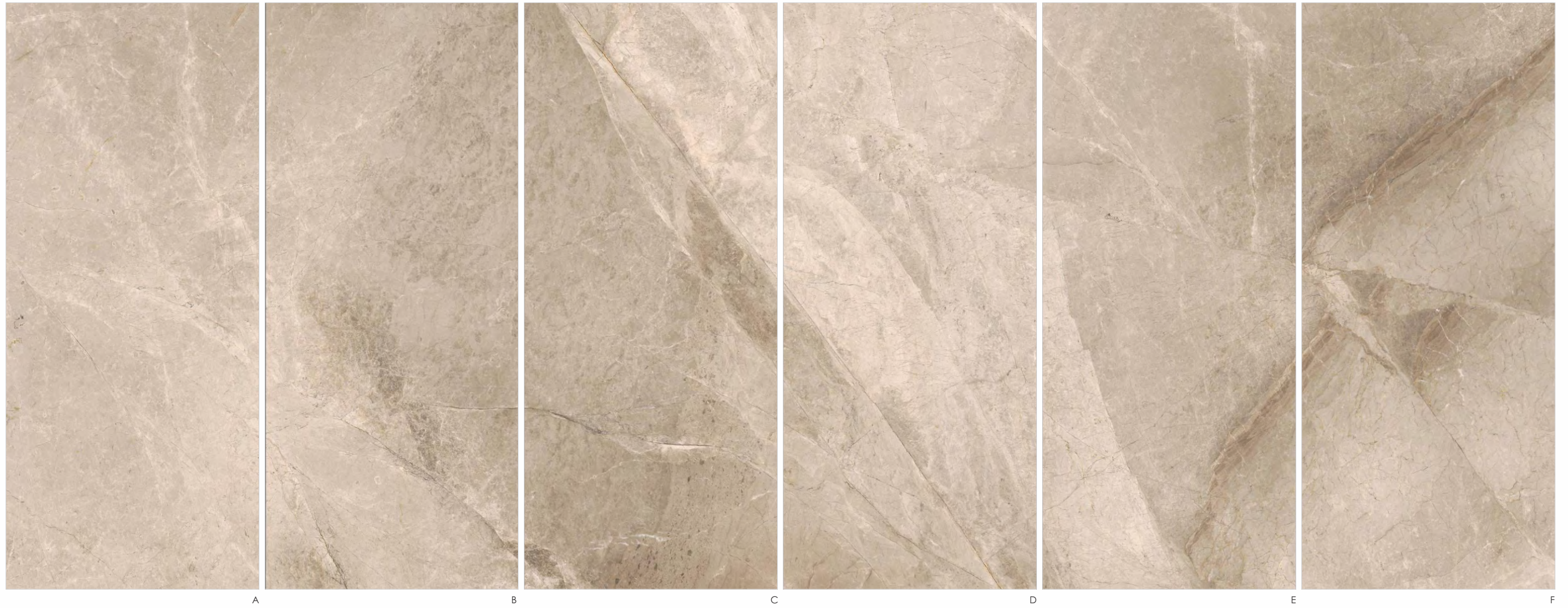
Statuario Aura



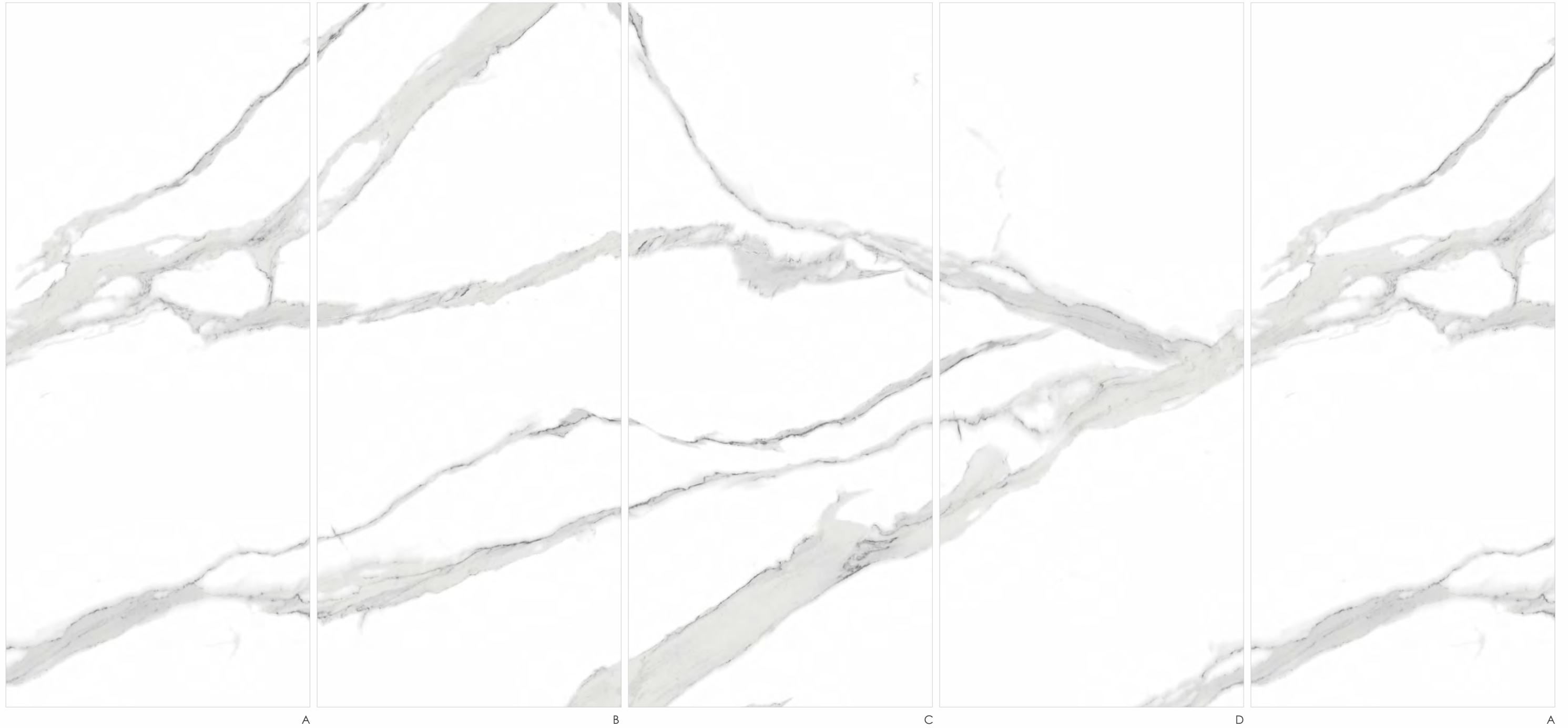
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Emperador Light



A

B

C

D

A

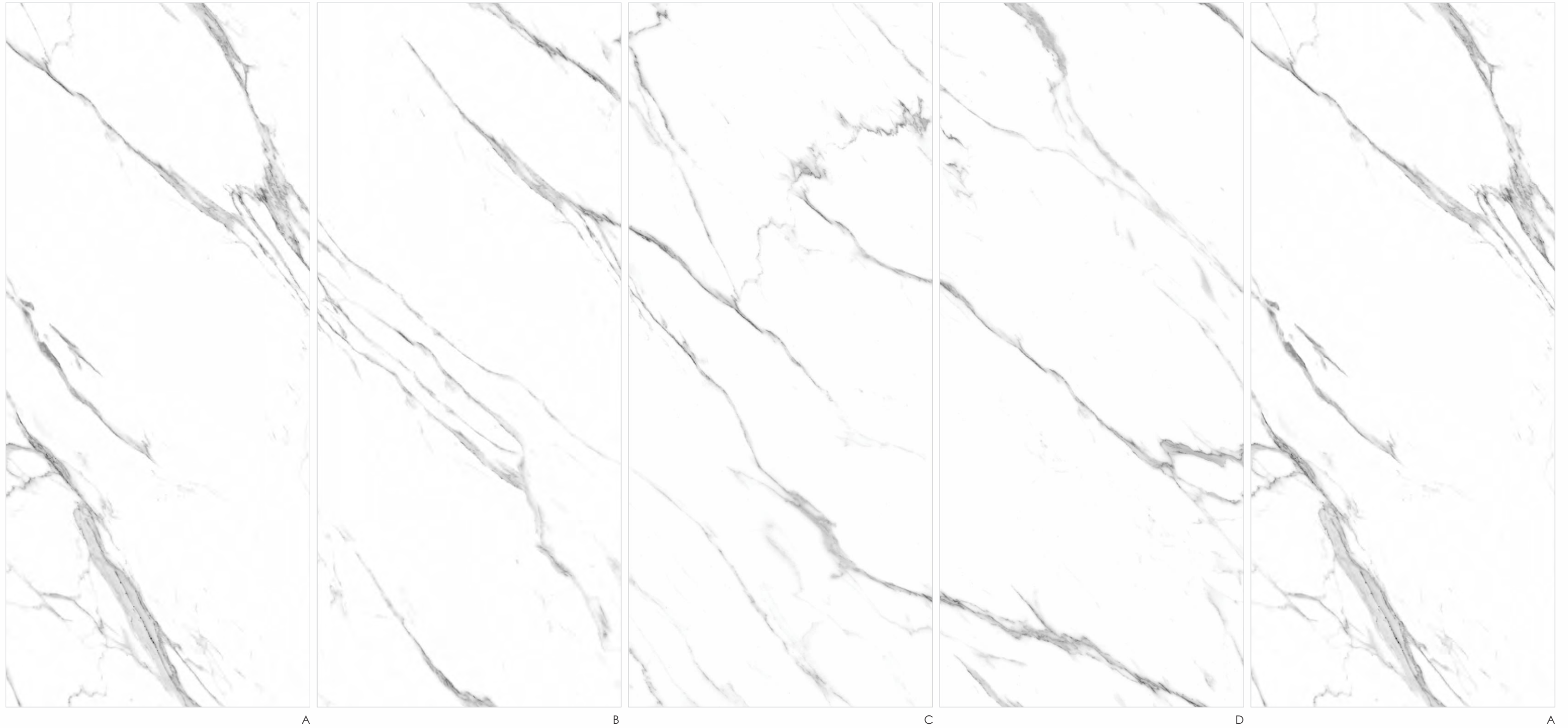
Statuario Merge



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

A

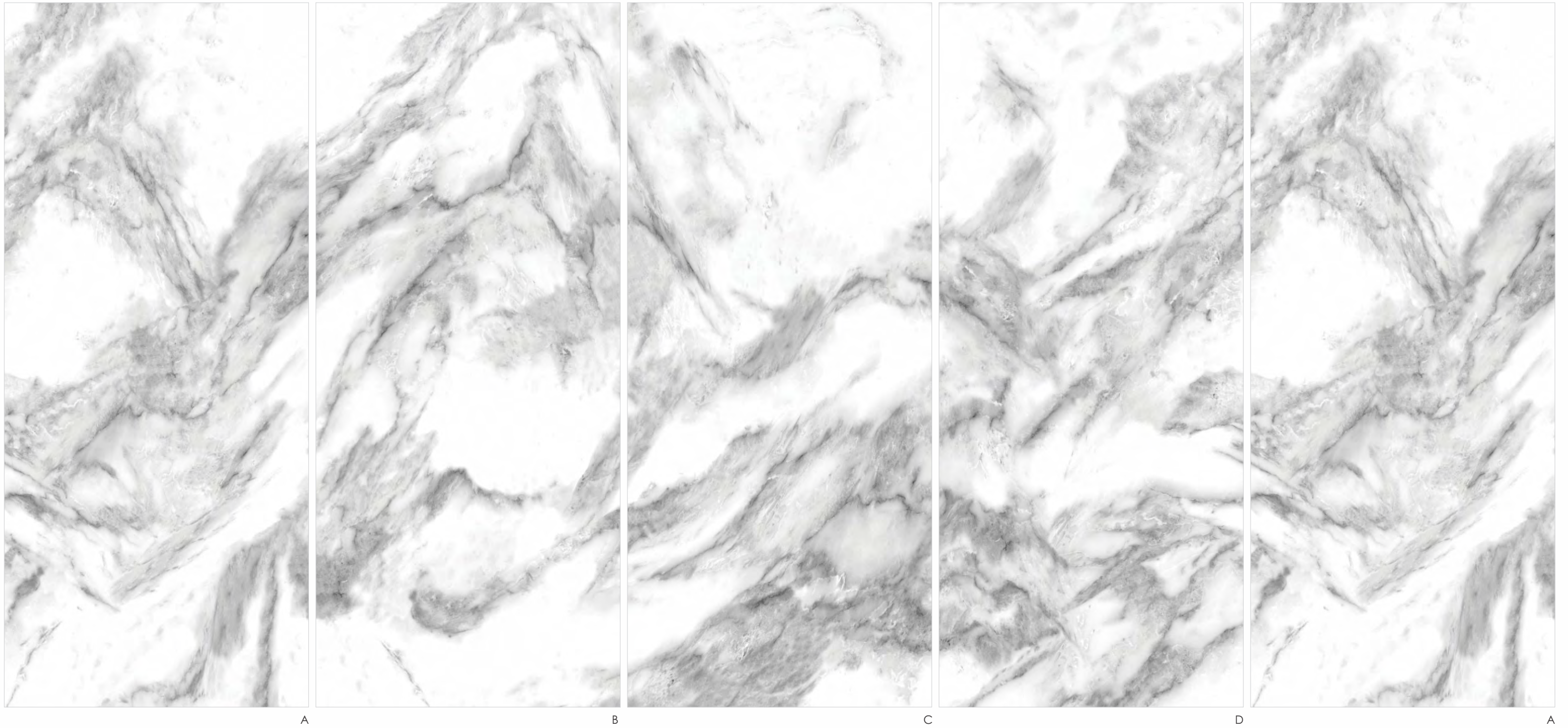
Statuario Streak



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Haze White



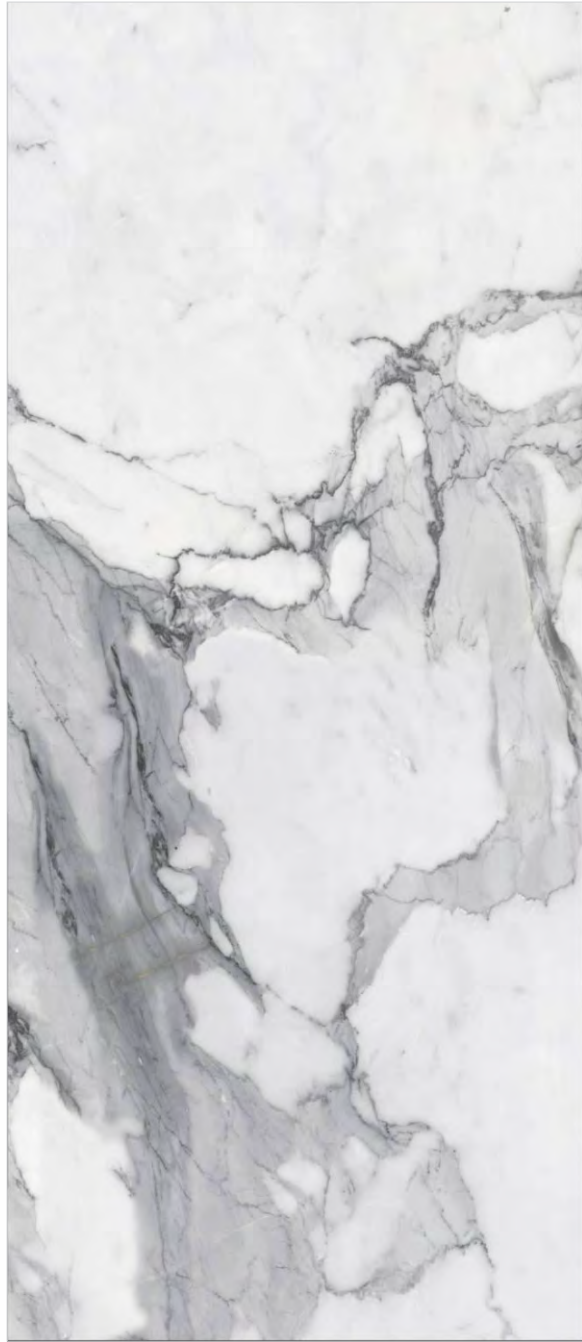
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A



B



C



D



E

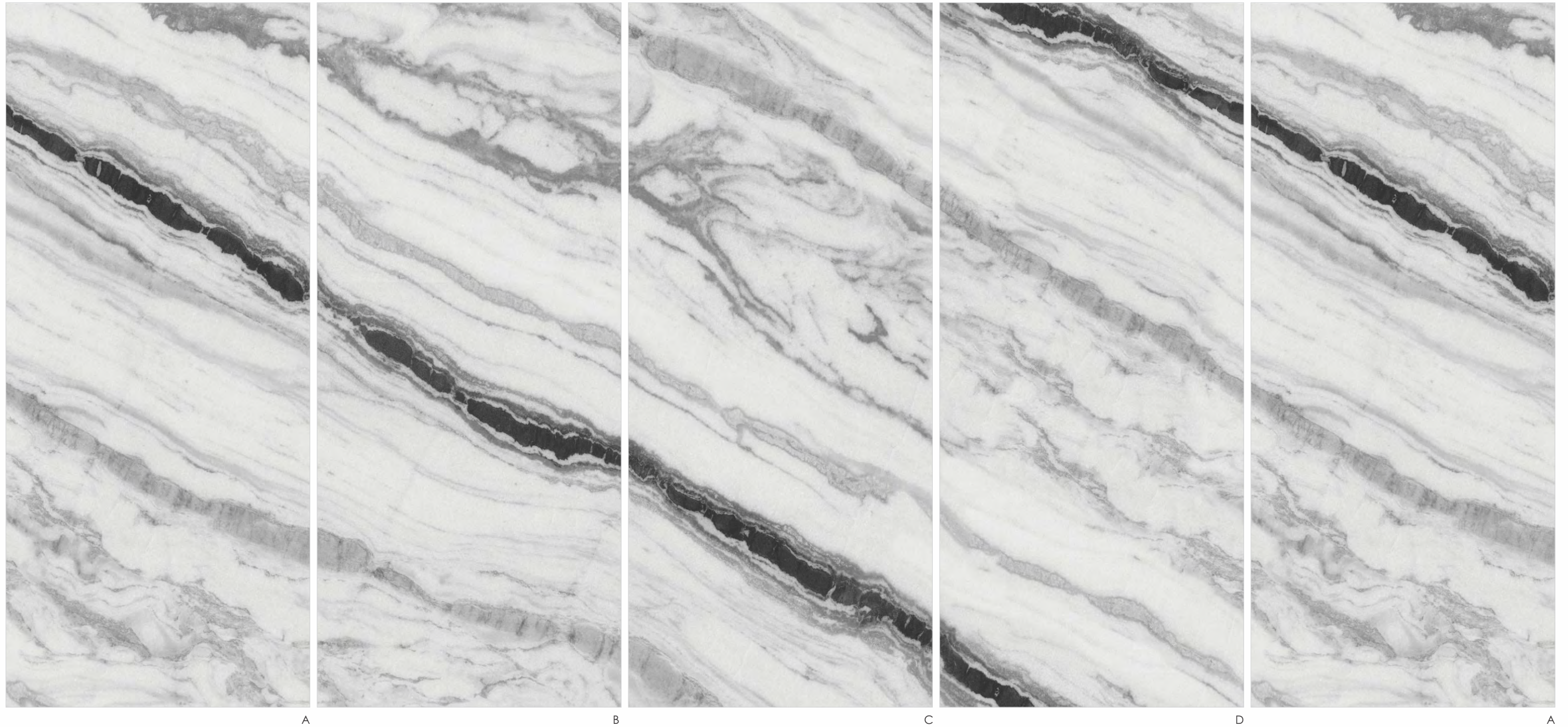
Carrara Vigour



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

A

River White



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A



B



C



D



E

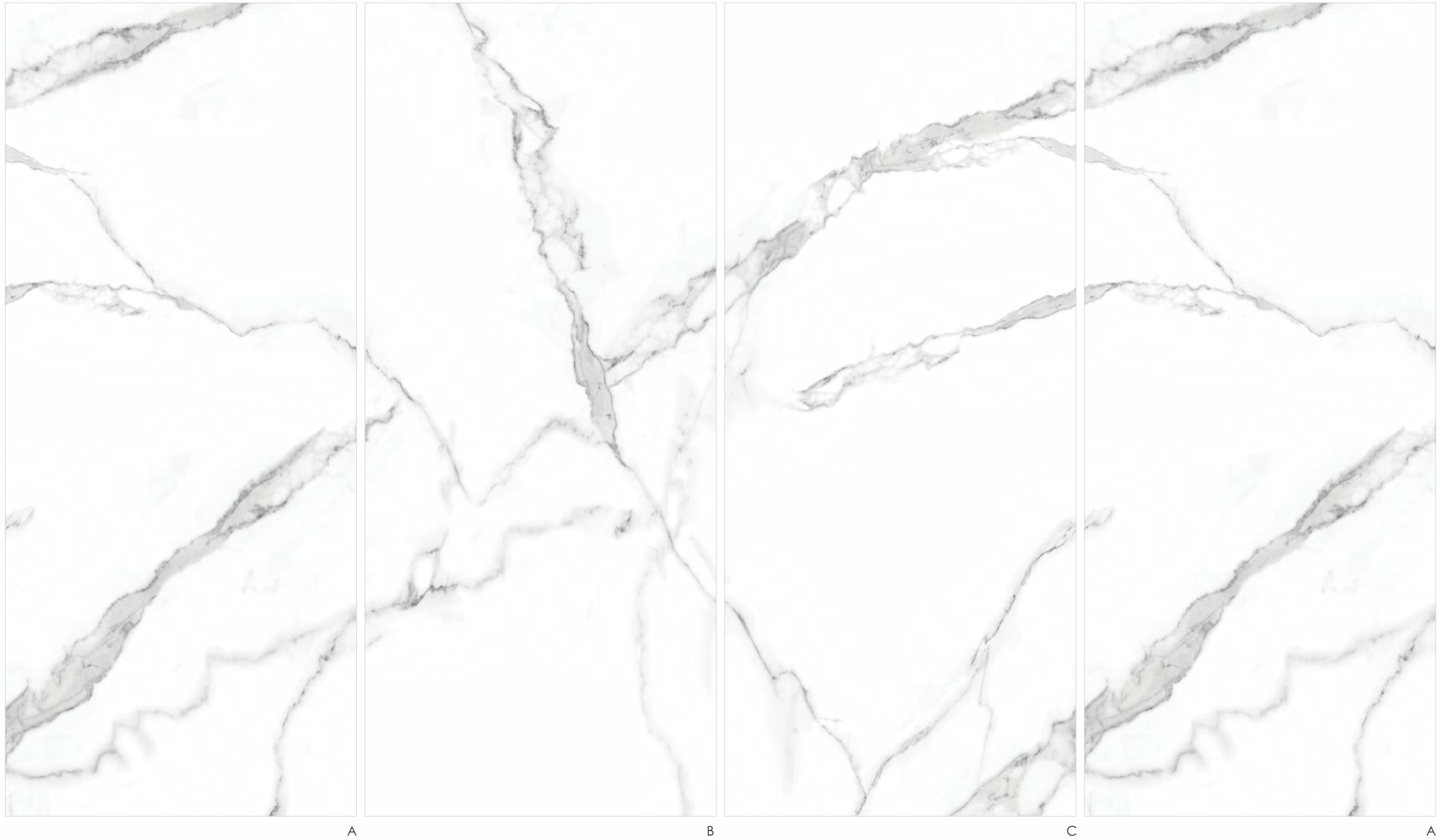
Earth Matrix



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



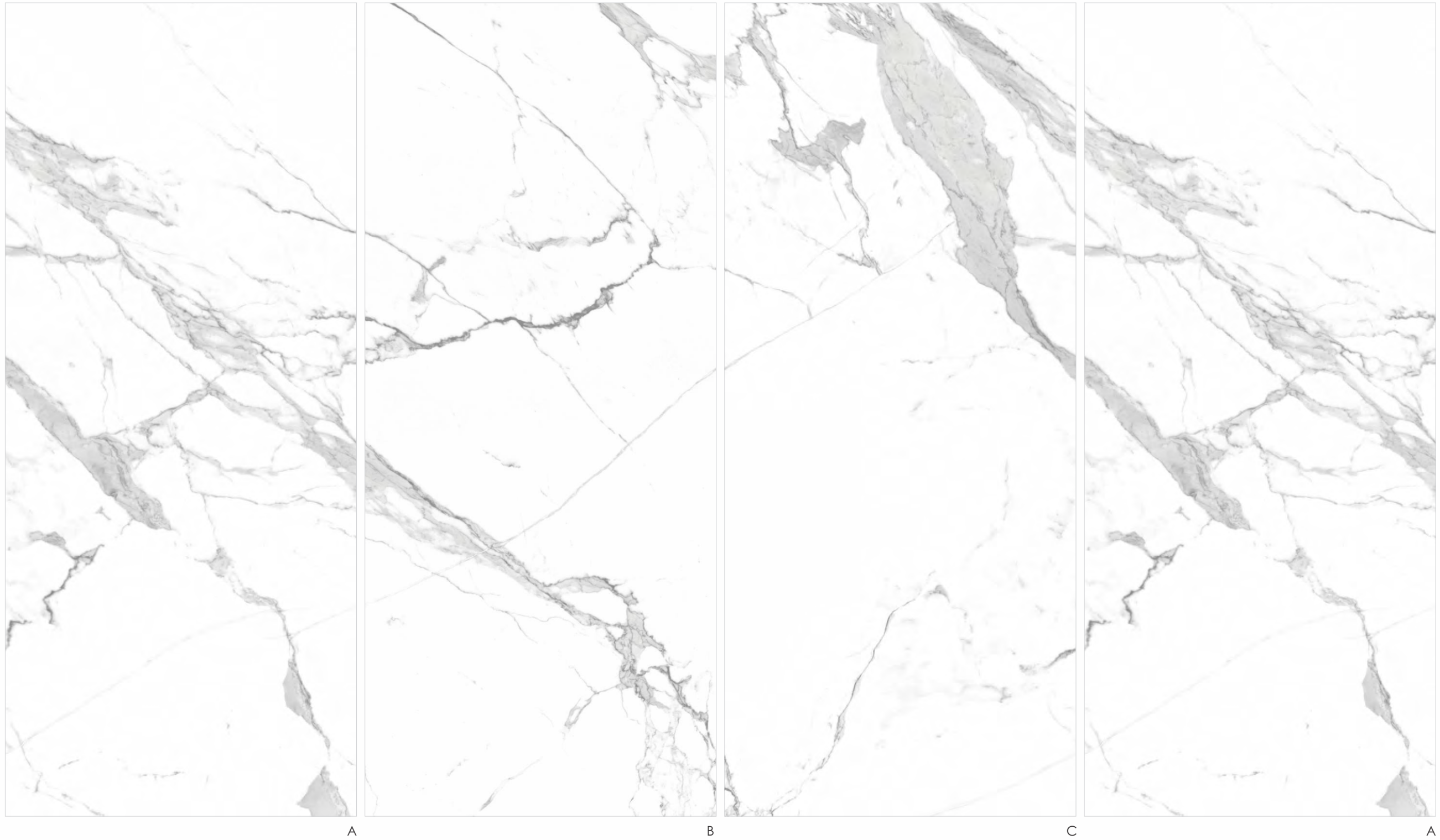
Statuario Fly



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Statuario Crest



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Horizon Dusk



A

B

C

D

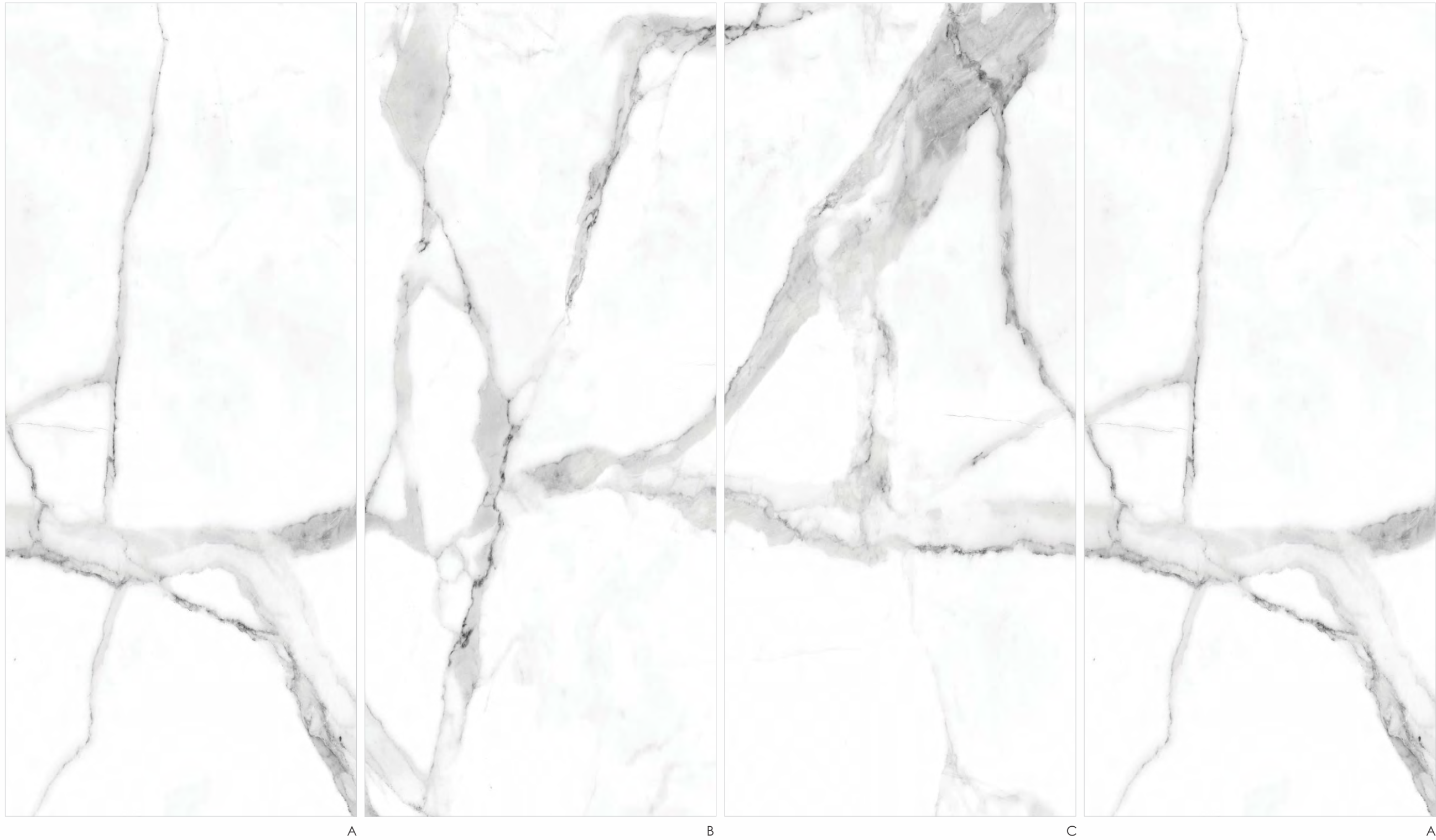
Statuario Storm



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Statuario Sturd



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Stroke White



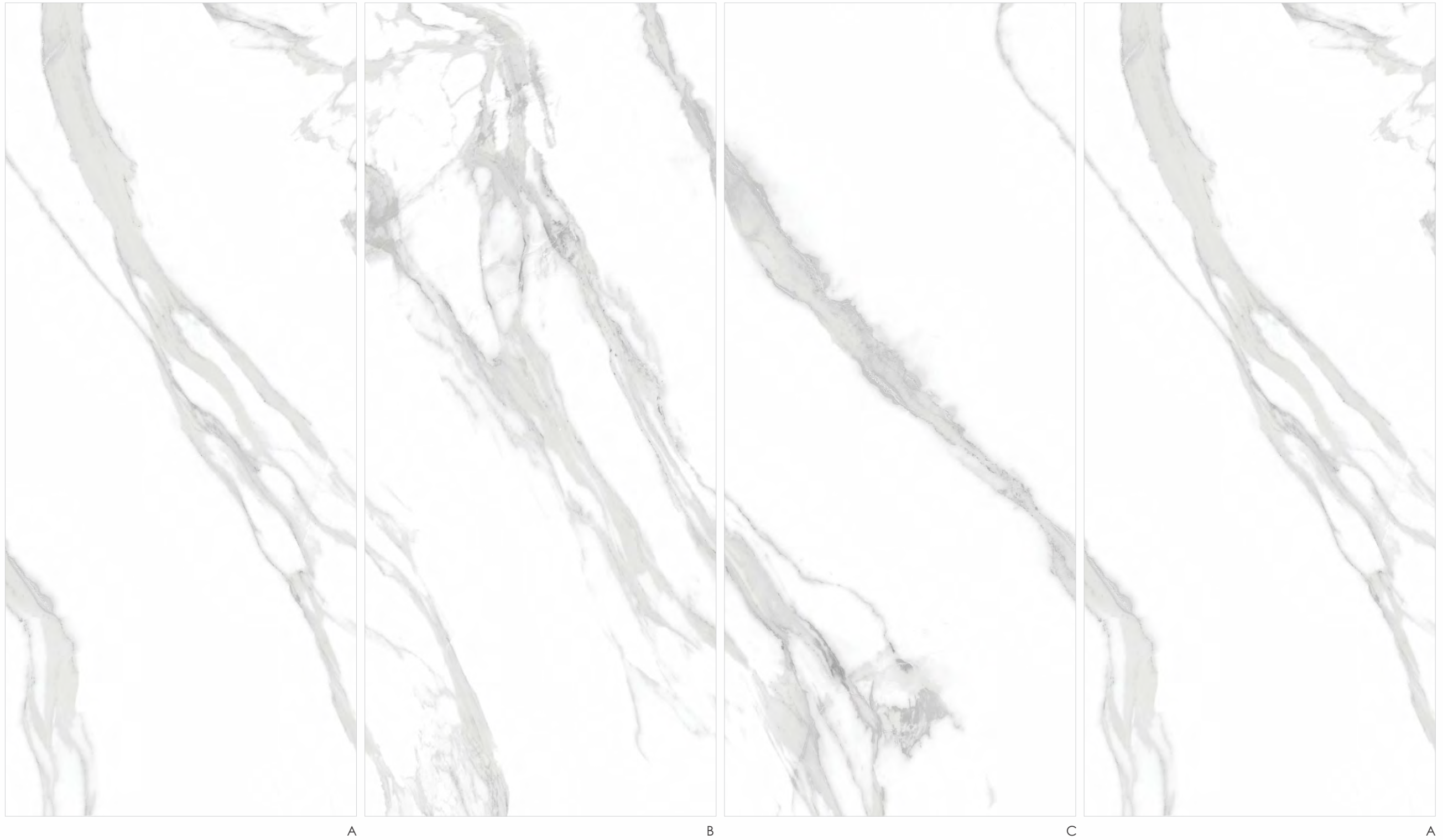
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Carrara Crisp



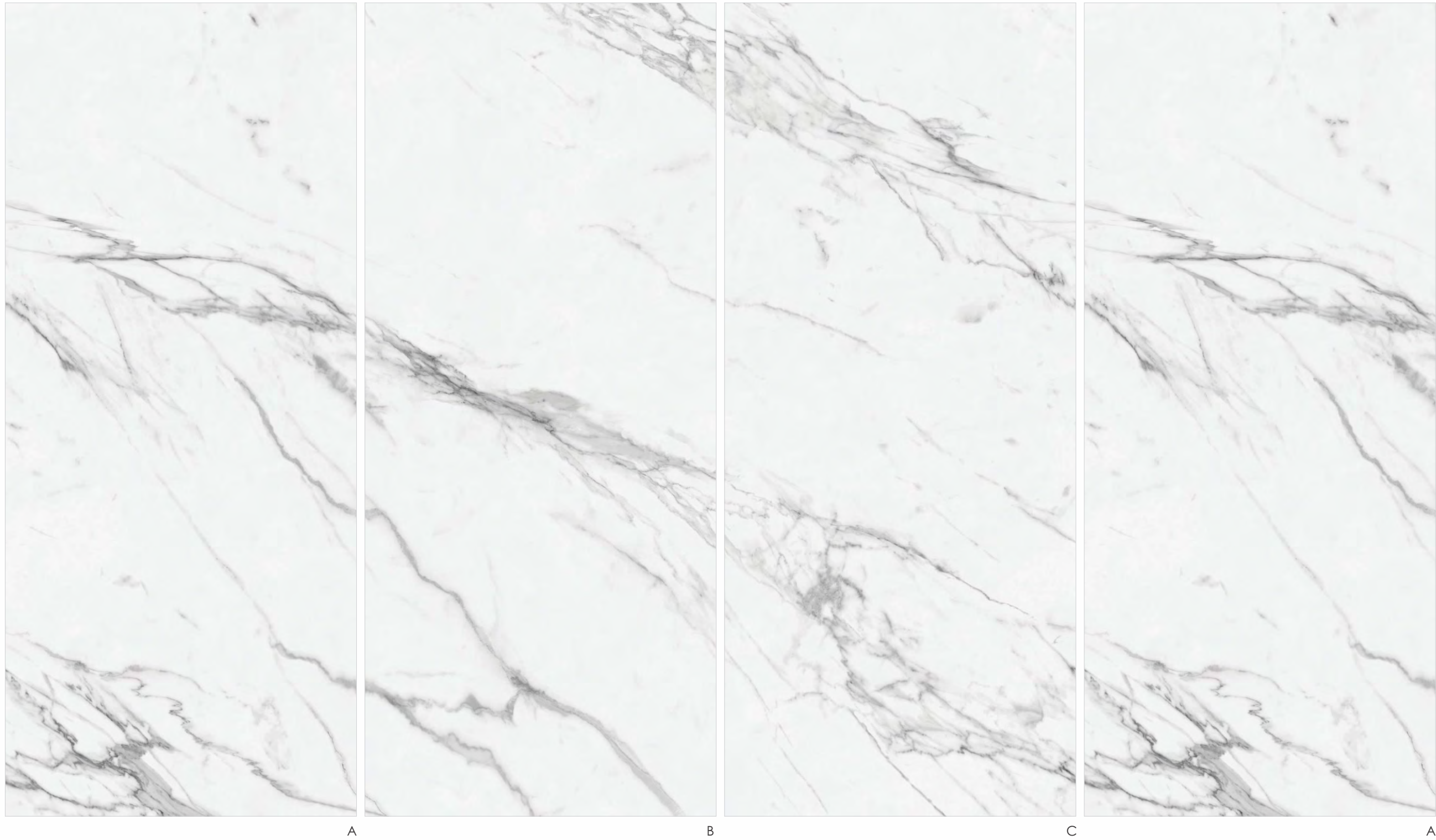
Statuario Grand



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



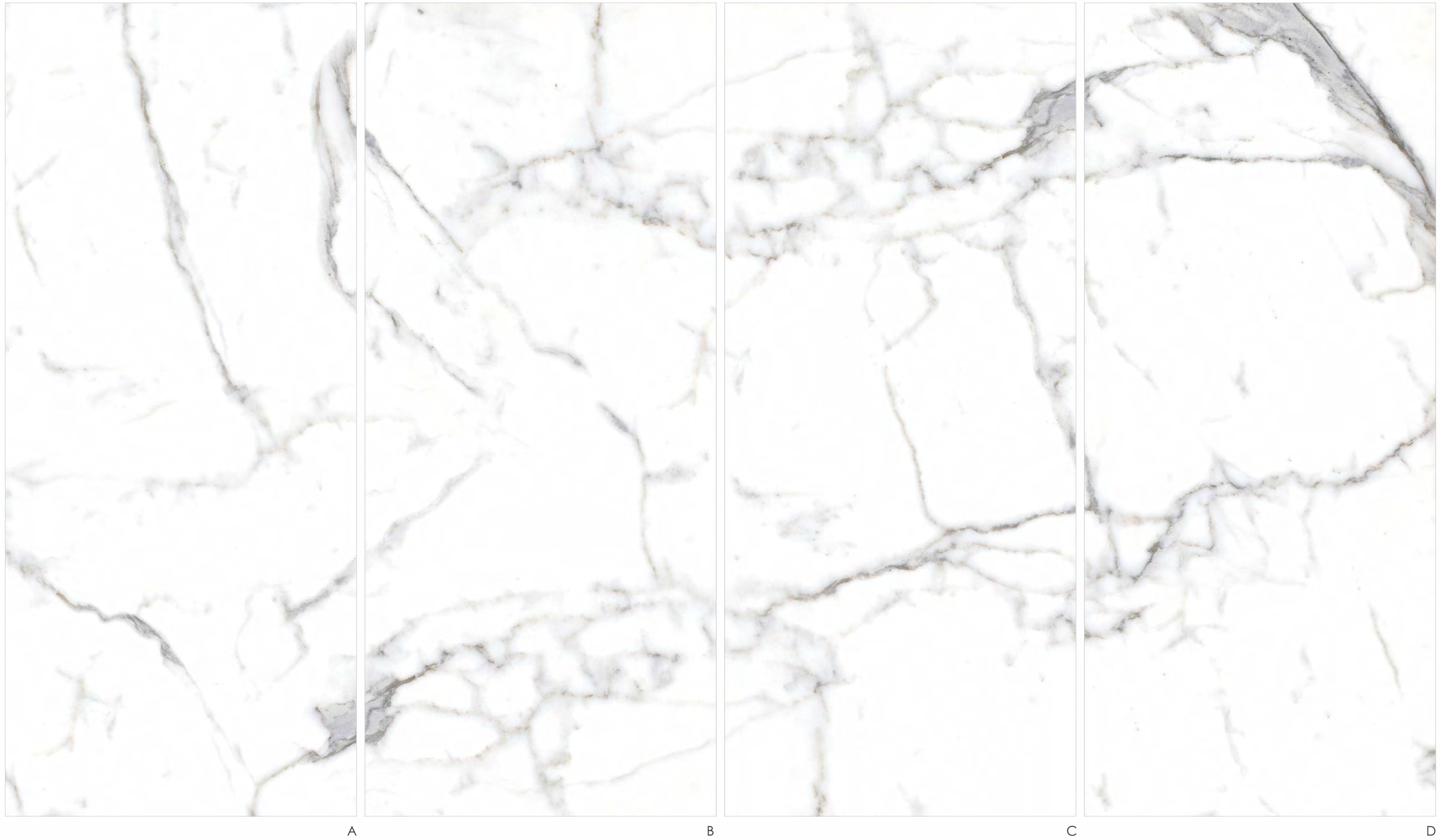
Statuario Strike



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

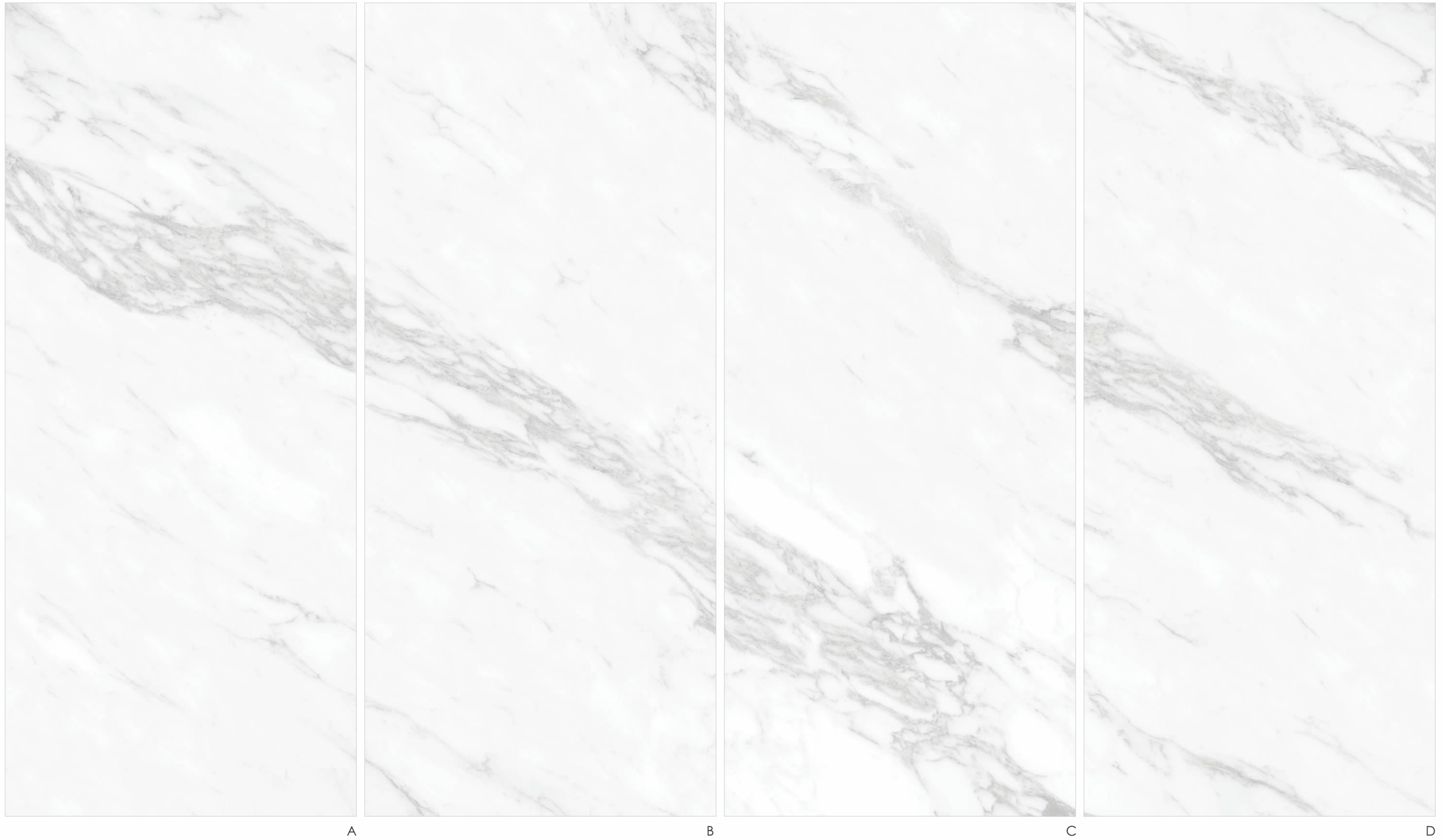
Statuario Lace



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

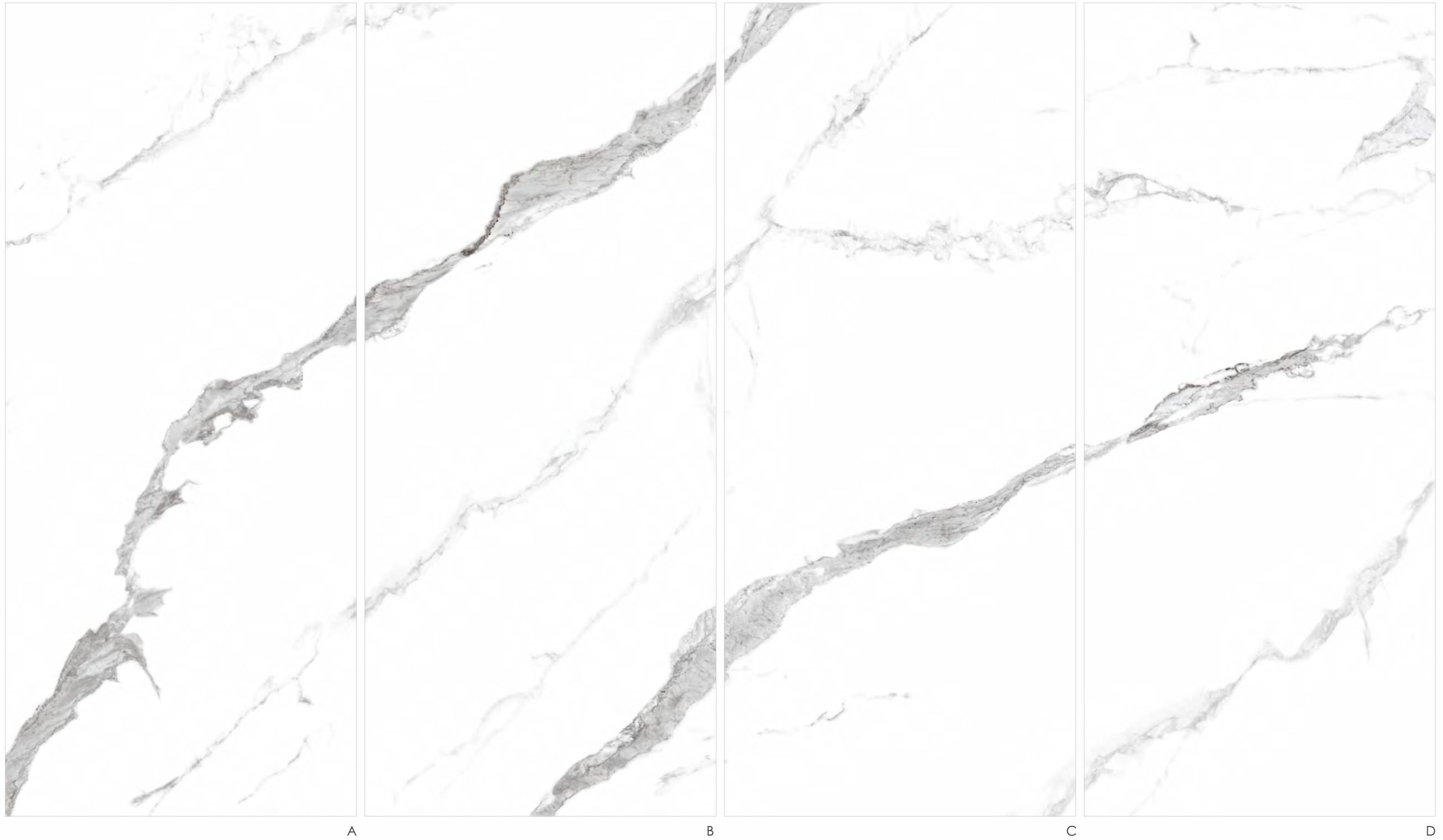
Carrara Void



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



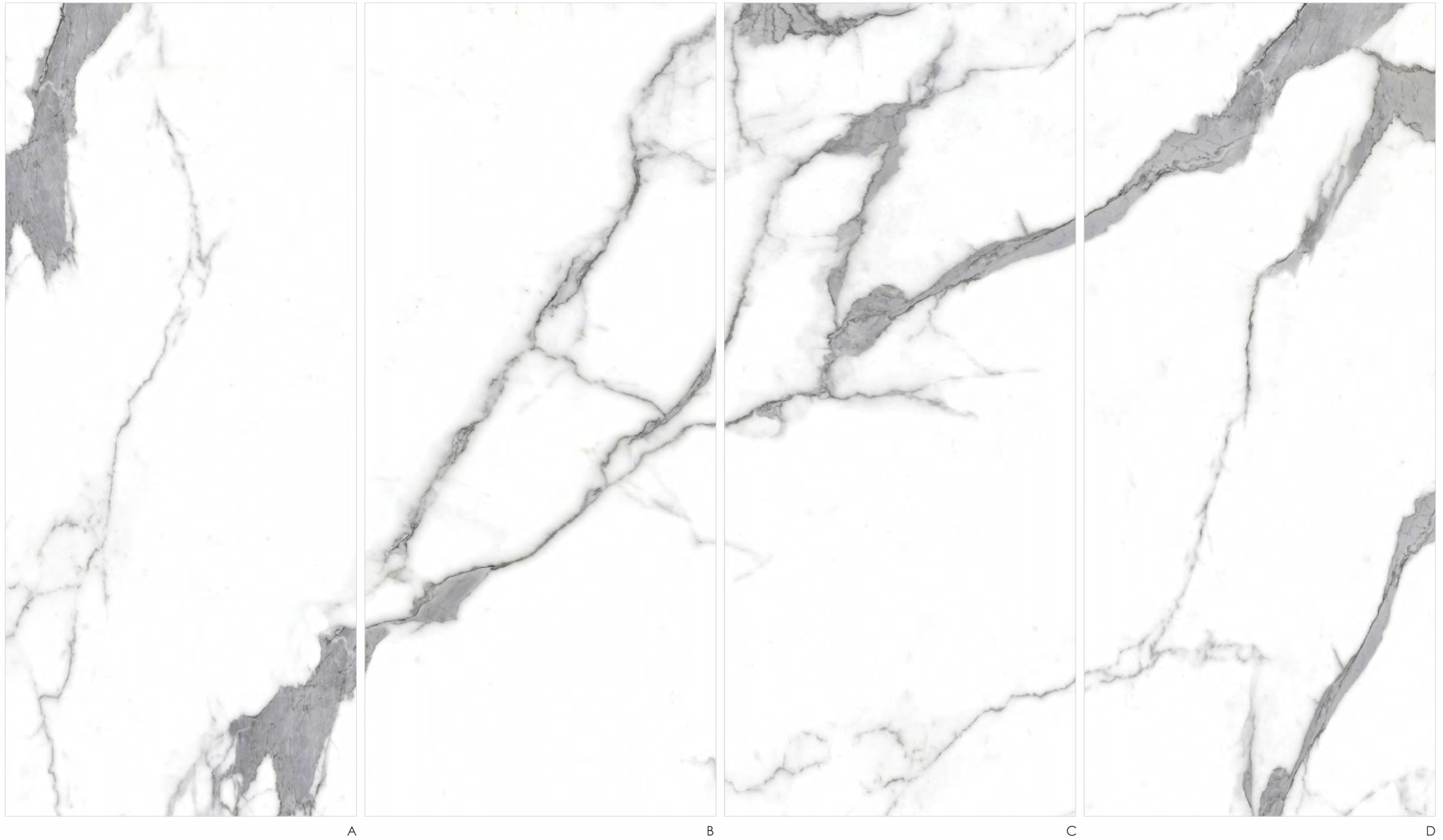
Statuario Edge



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Statuario Vigour



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



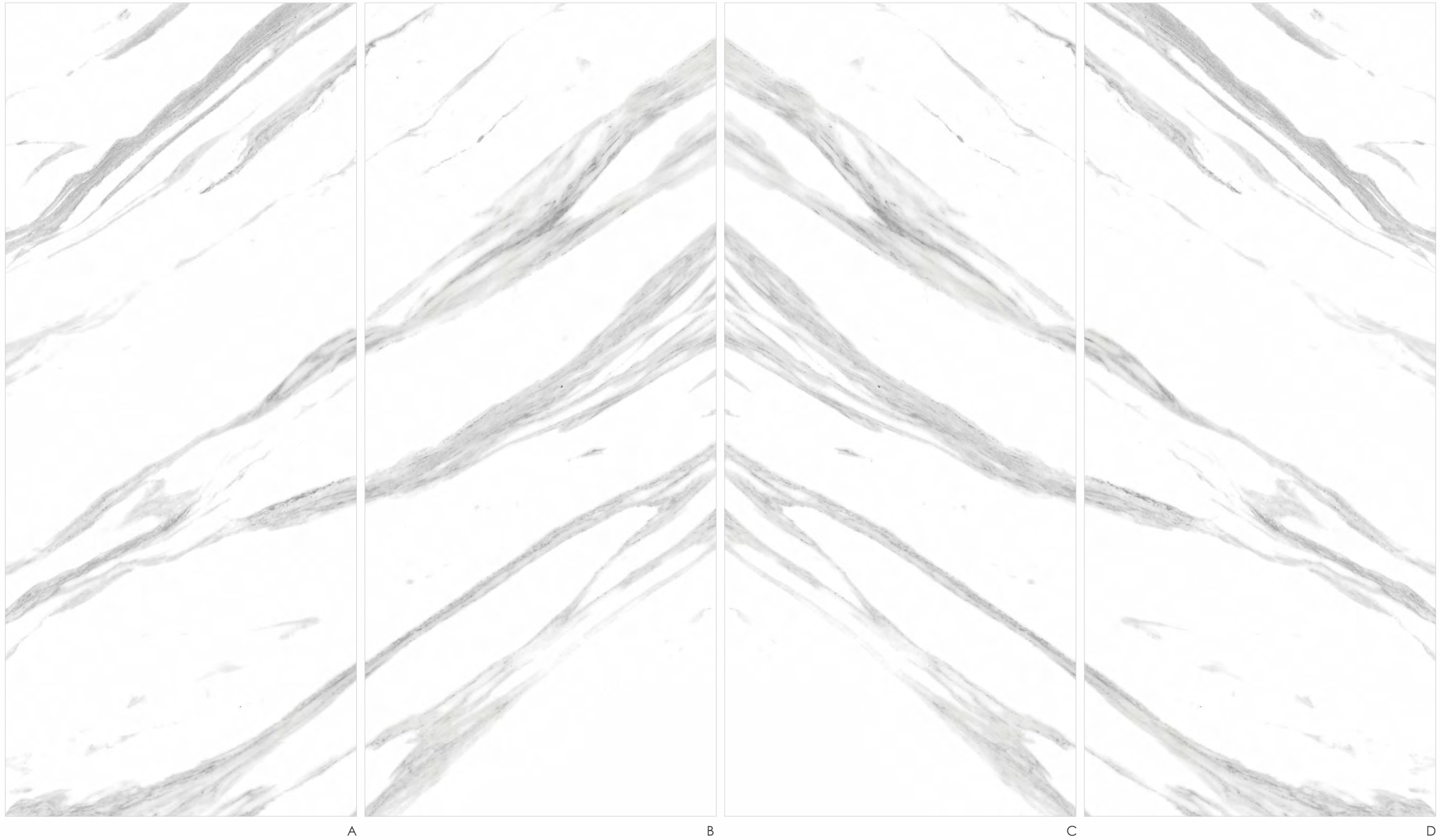
Carrara Mount



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

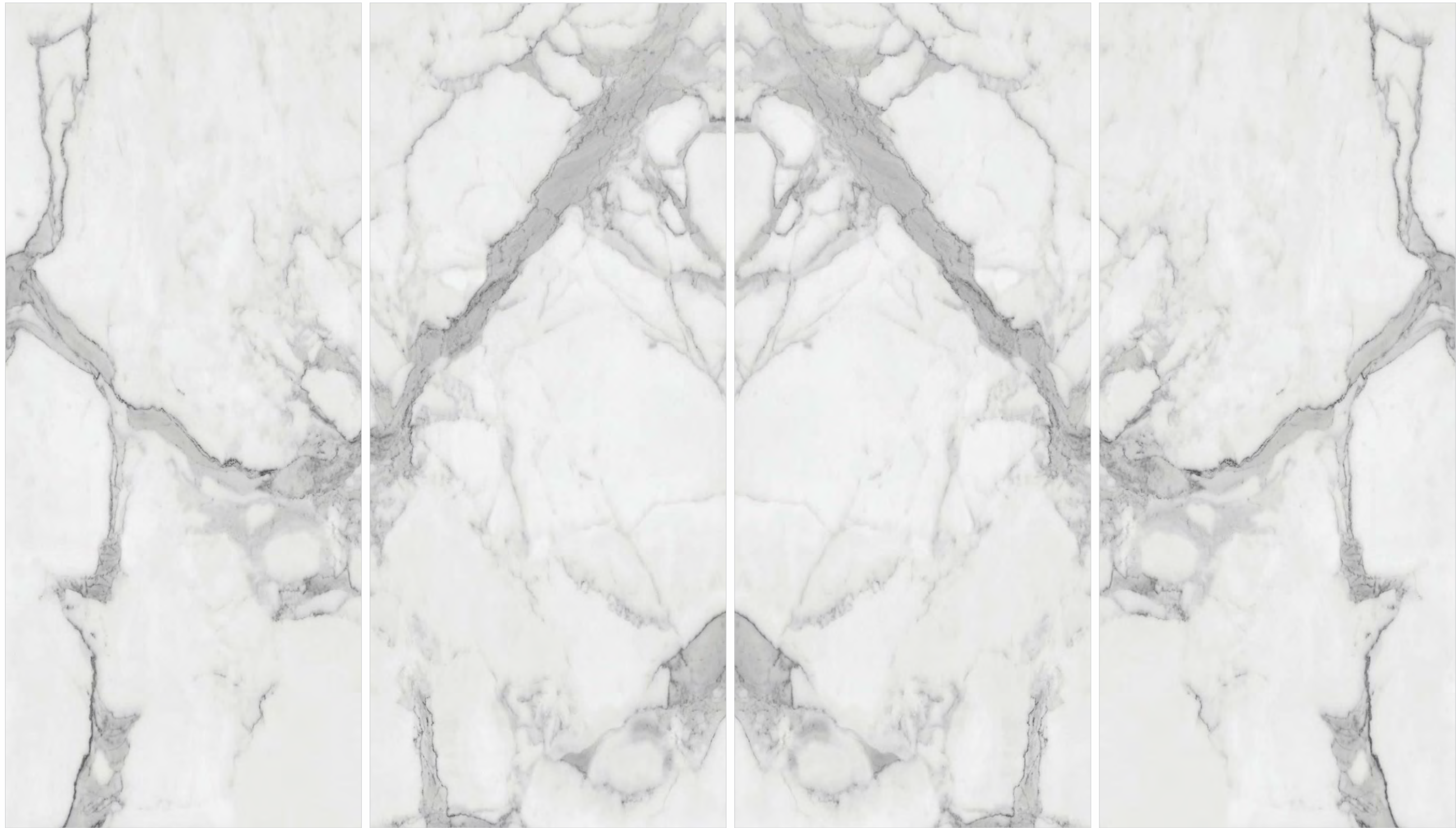
Statuario Up



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

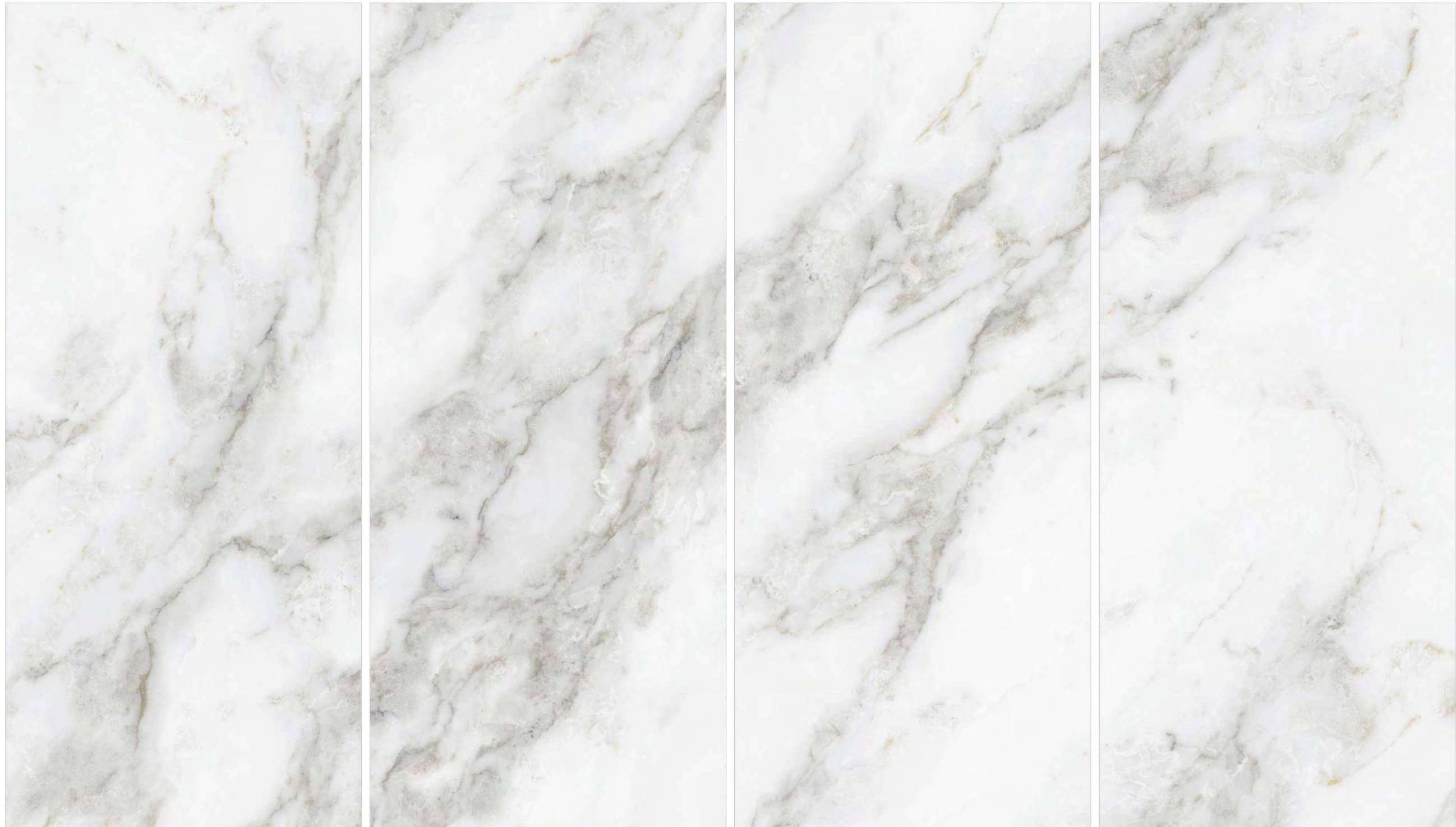
Statuario Stilo



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Statuario Myst



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Statuario Sky



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Statuario Heap



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

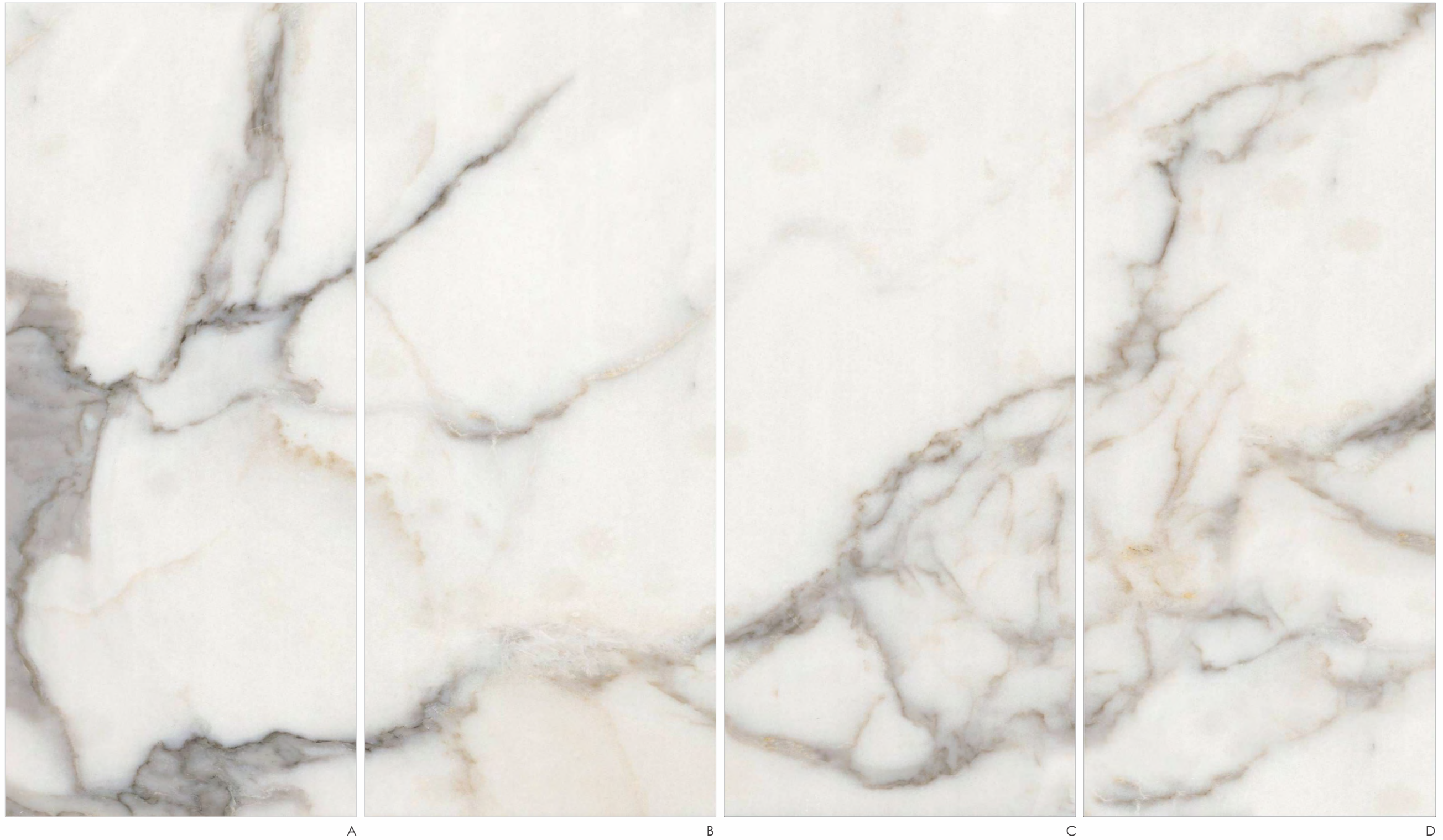
Carrara Glide



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Calacatta Vigour



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

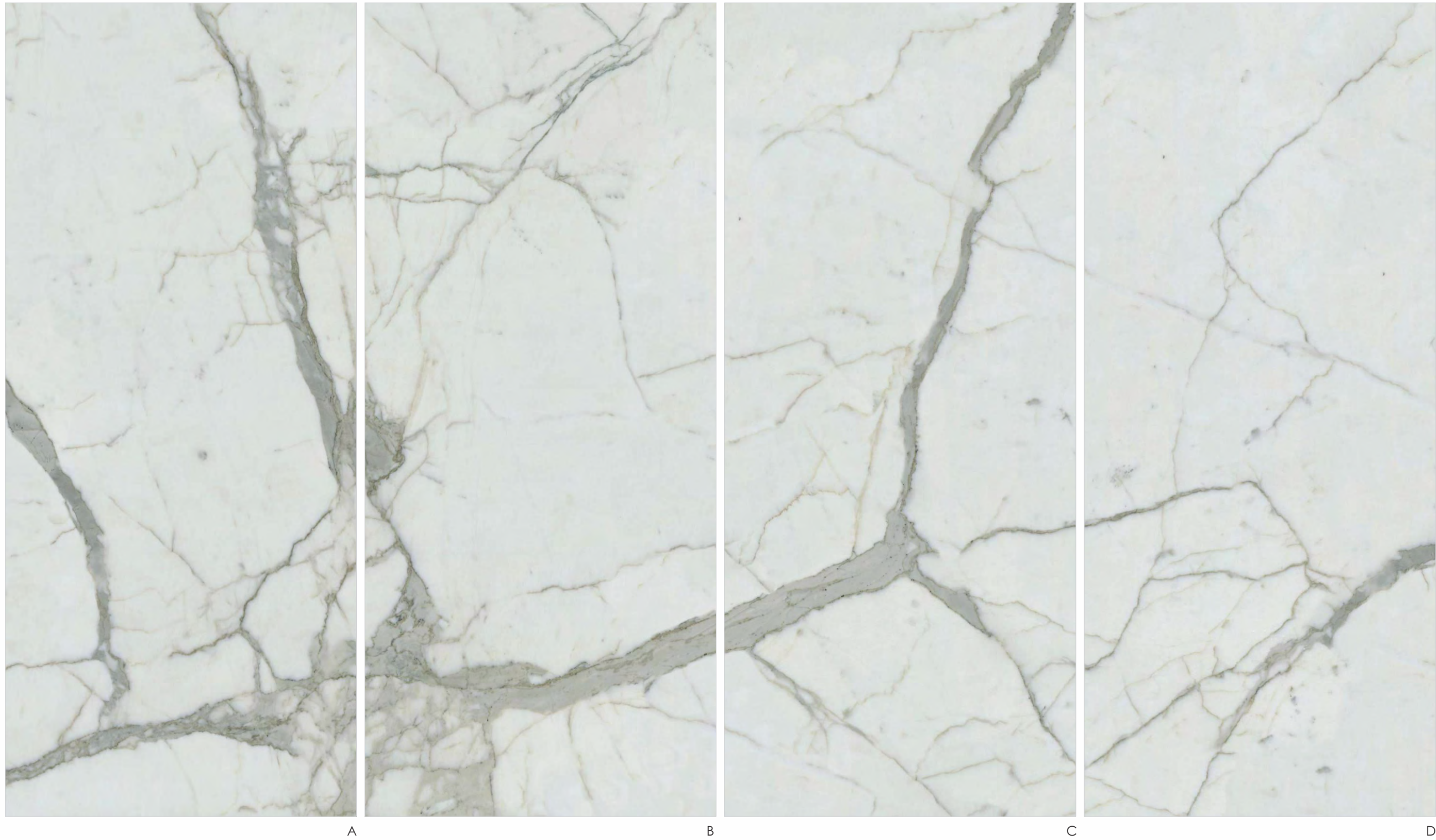
Canyon White



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Statuario Vibe



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A



B



C



D

Medley



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Wave Grey



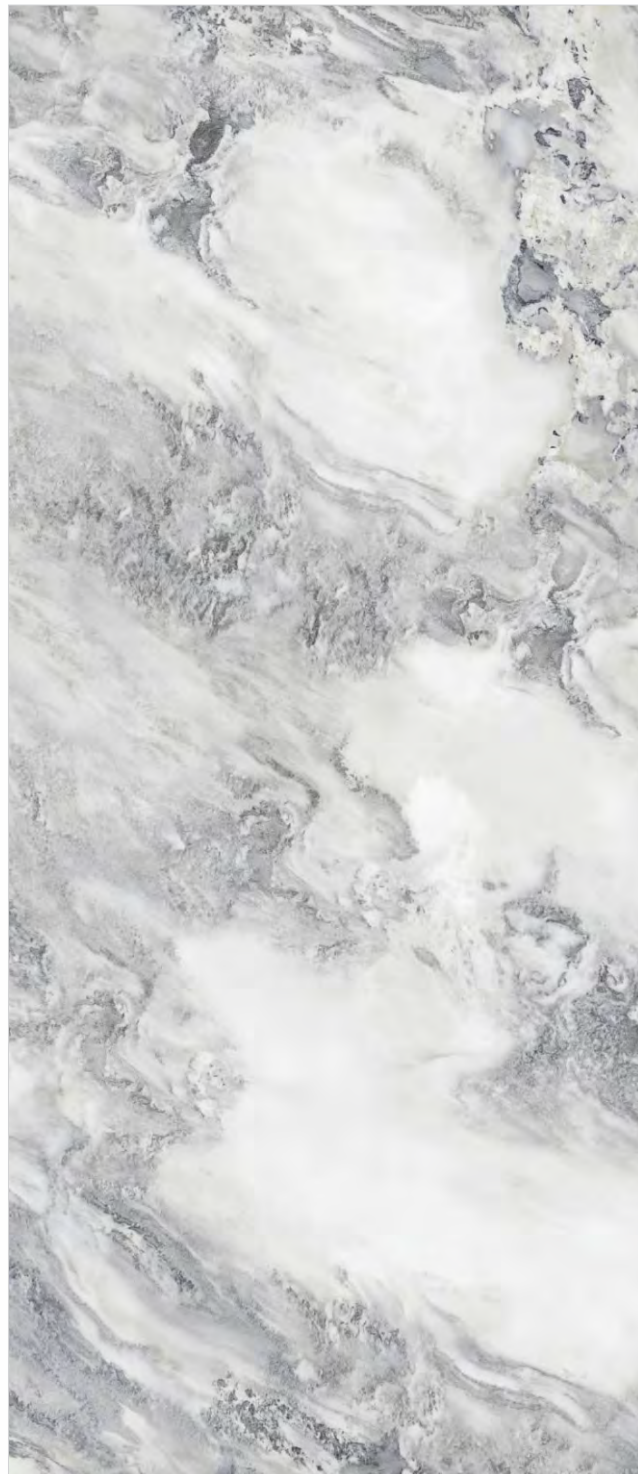
SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



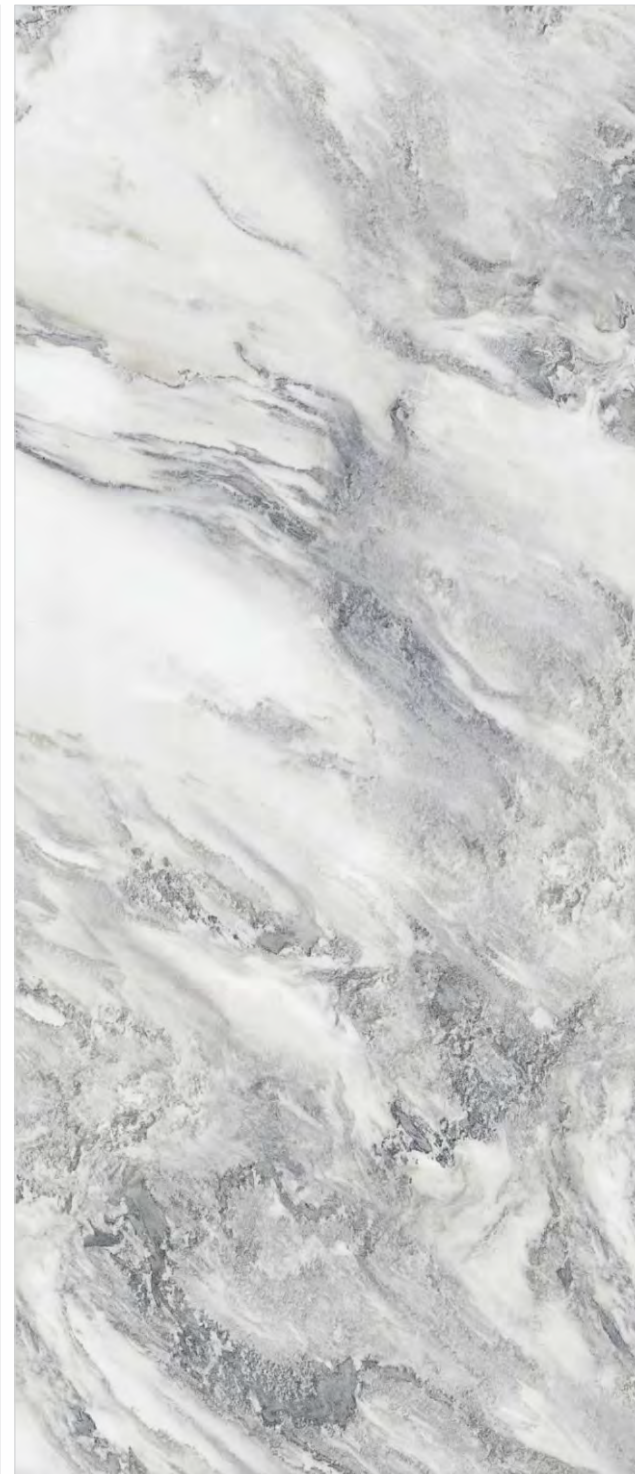
A



B



C



D

Ocean Myst



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

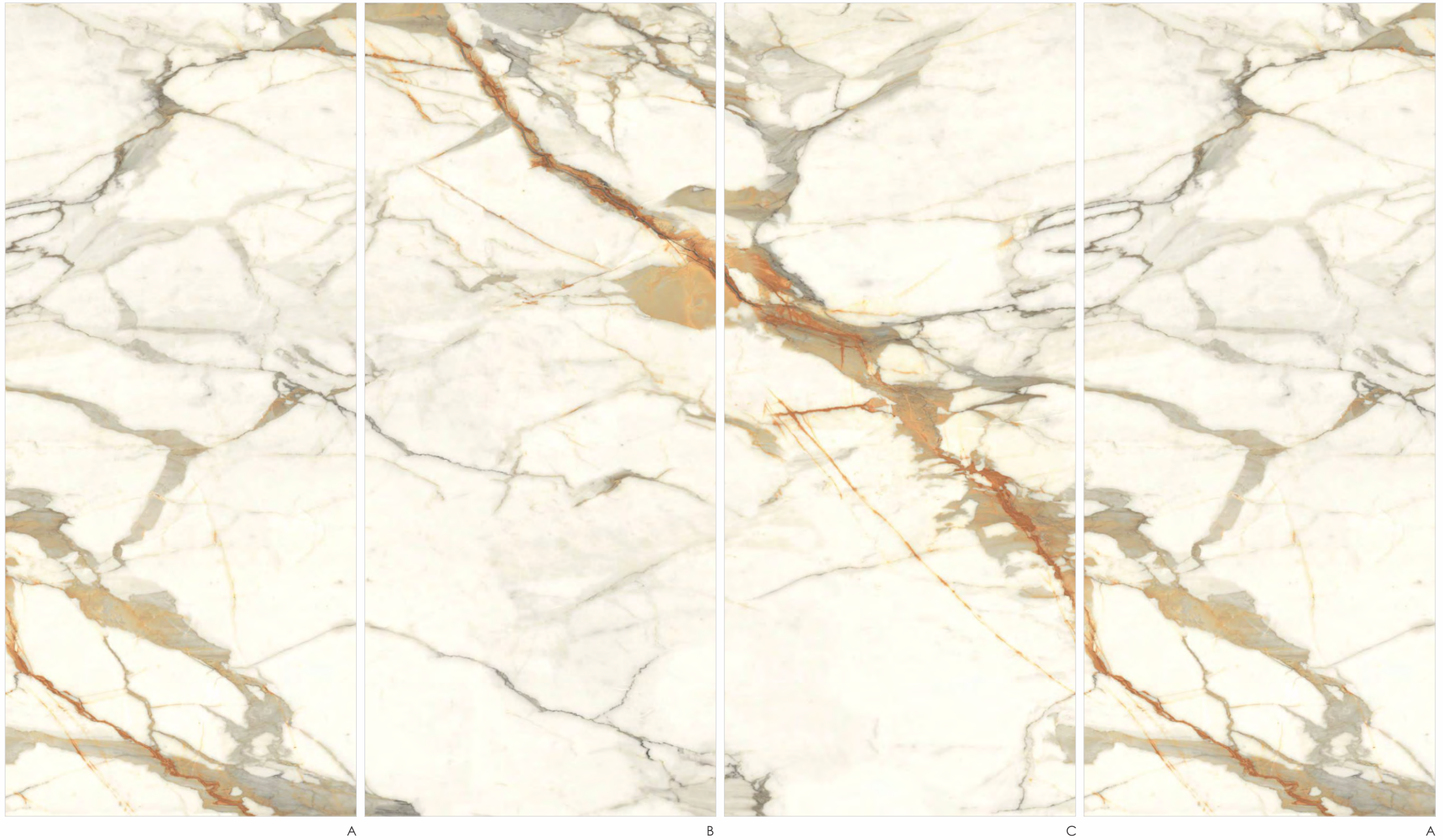
Forest Myst



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

A

Calacatta Aura



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

A

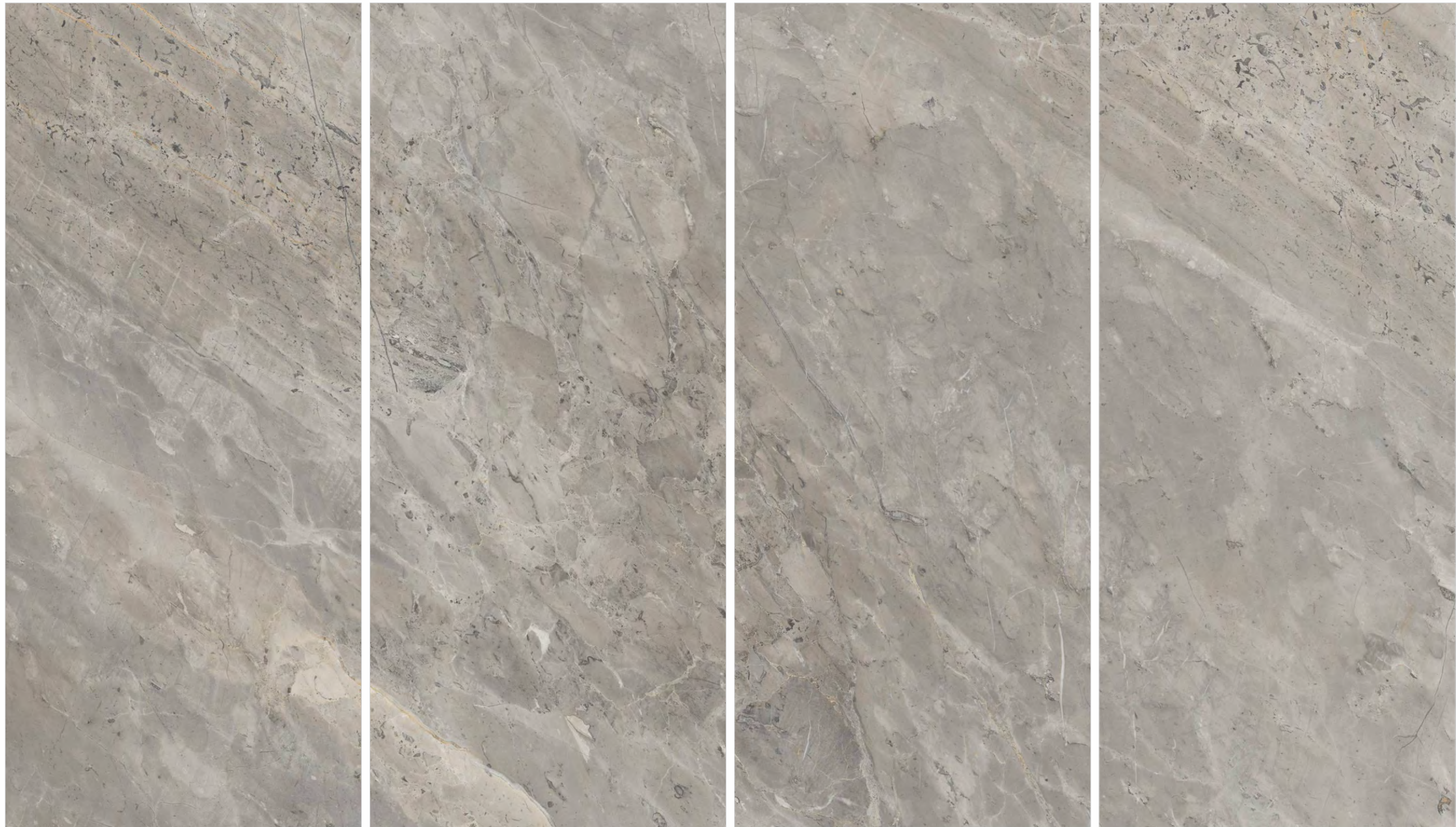
Onyx Sun



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

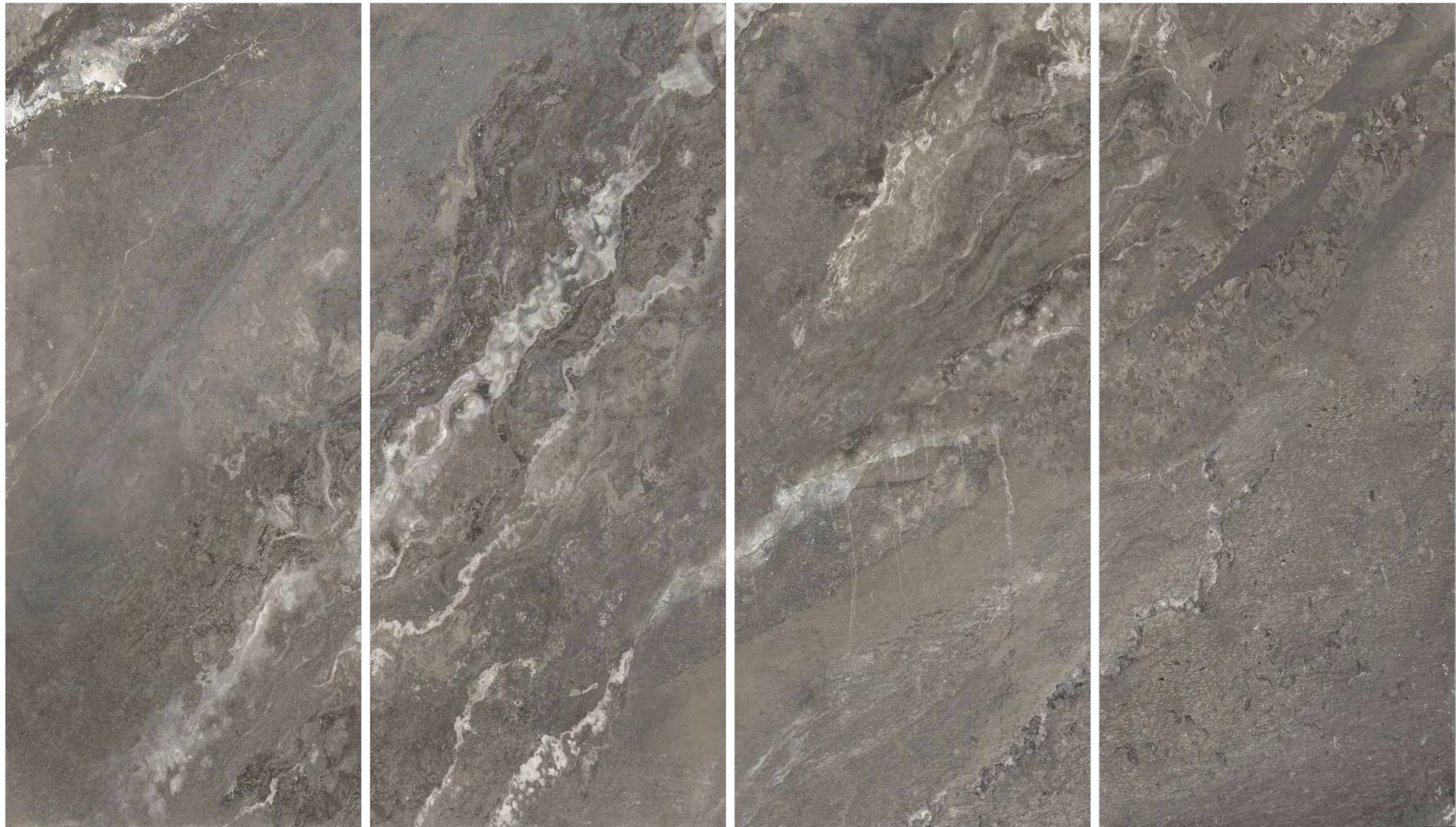
Aura Grey



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

Forest Grey



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

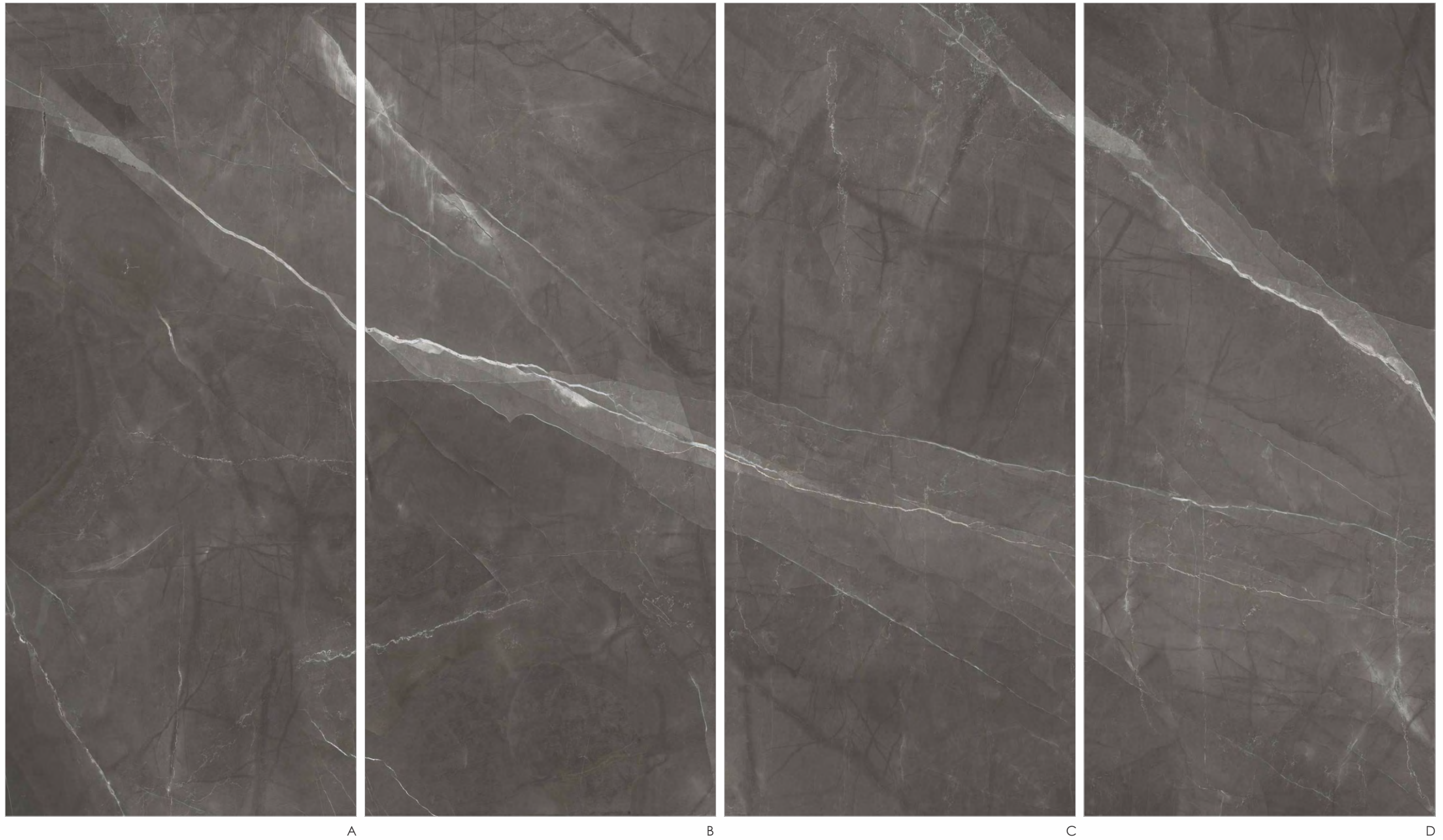
Marmomix



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

D

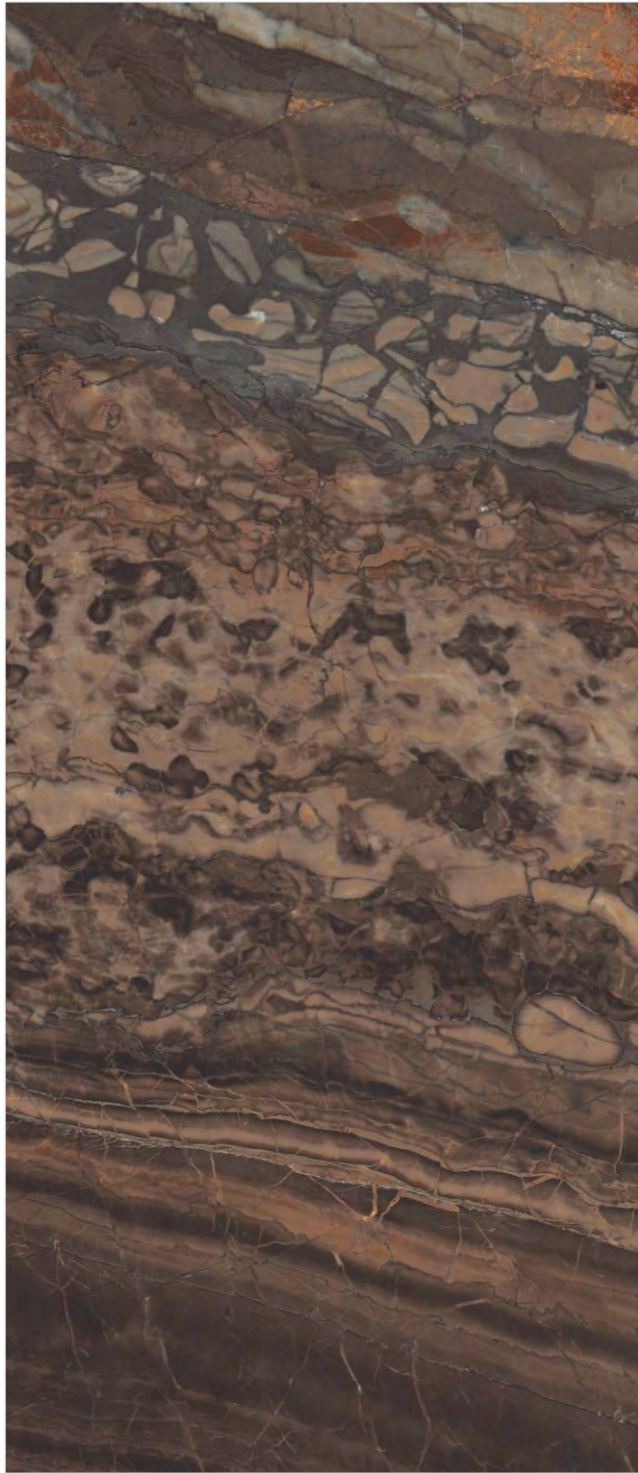
Armani Fume



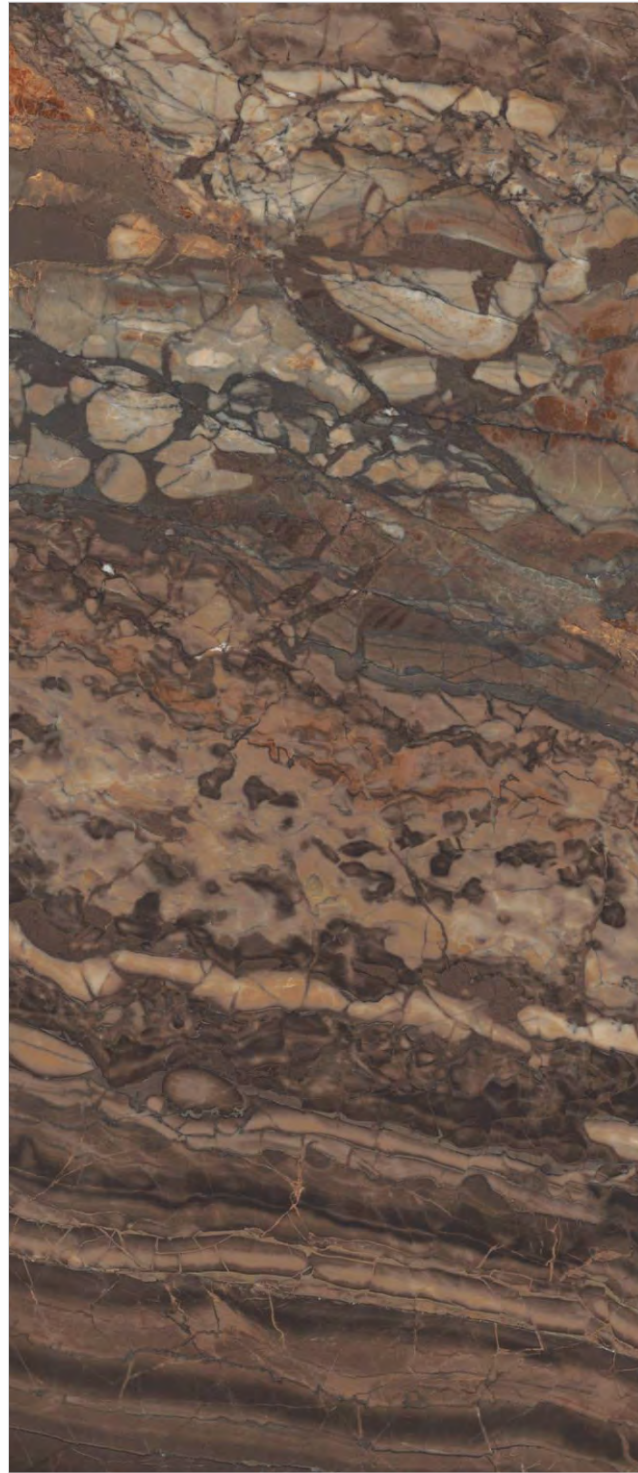
SIZE:
120x278cm

SURFACE:
High Gloss

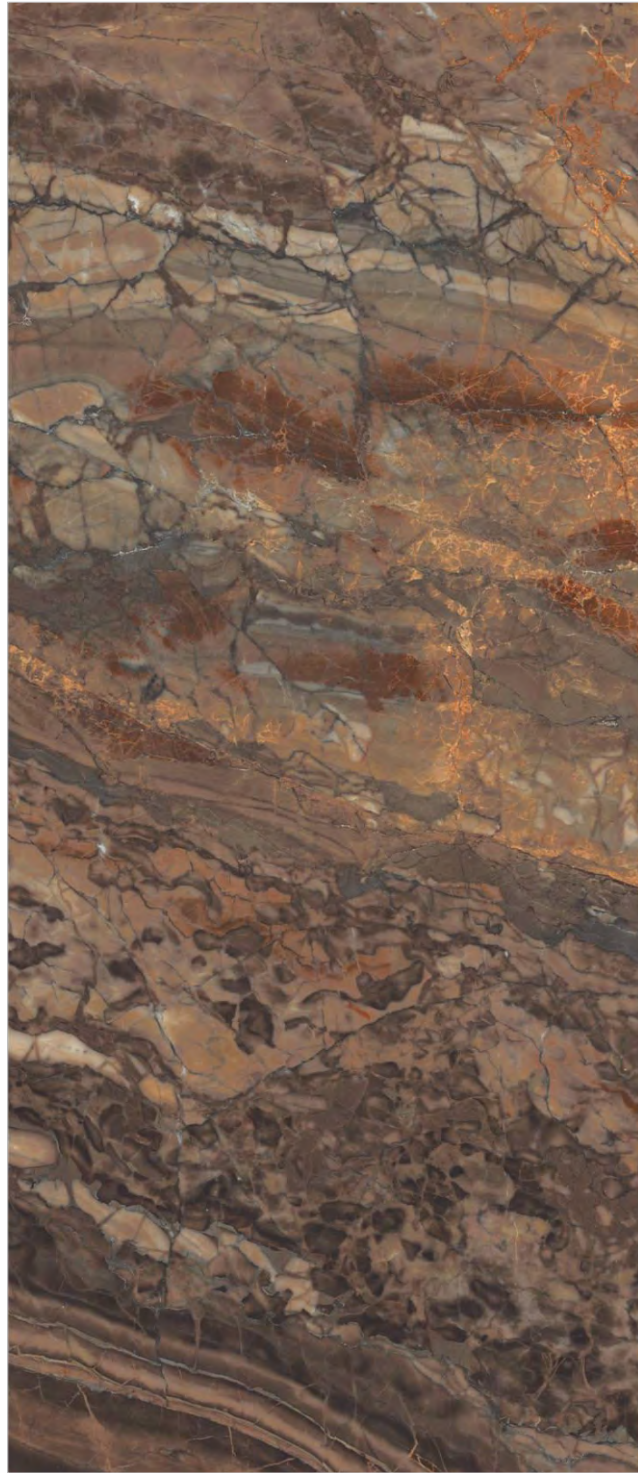
THICKNESS:
9 mm & 6 mm



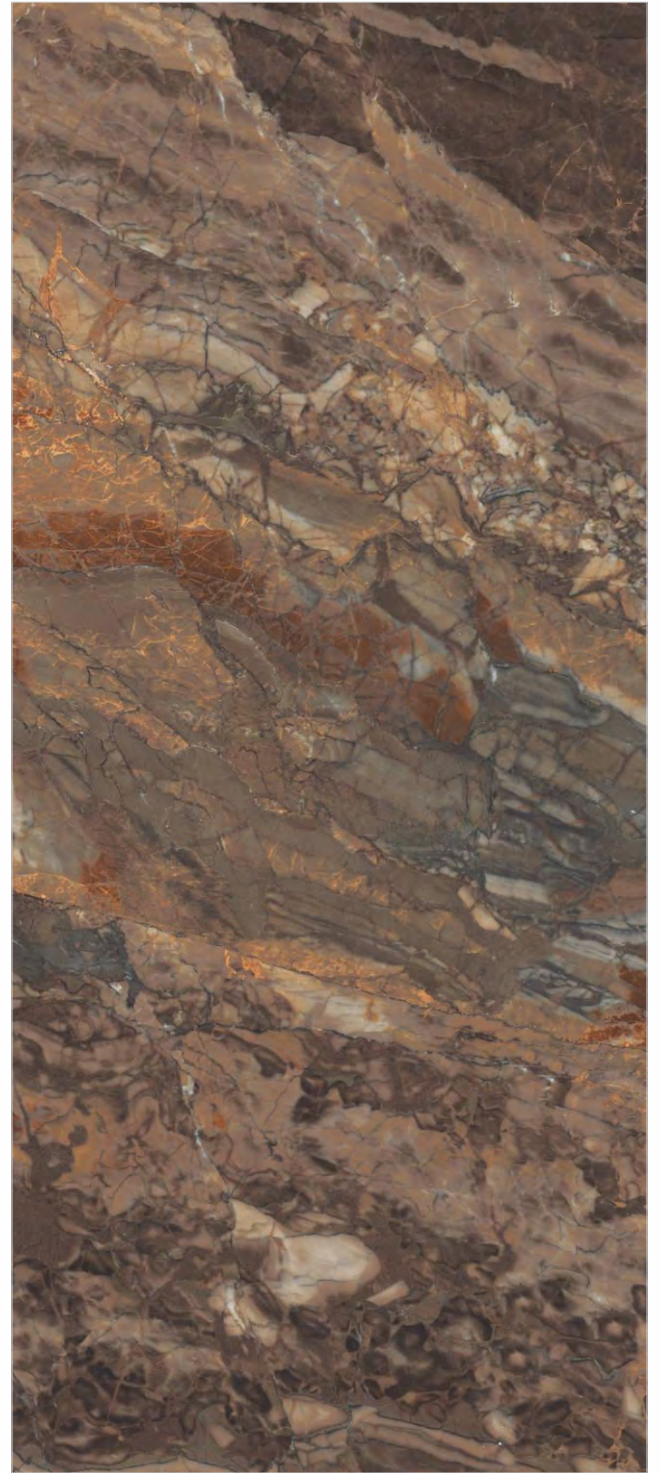
A



B



C



D

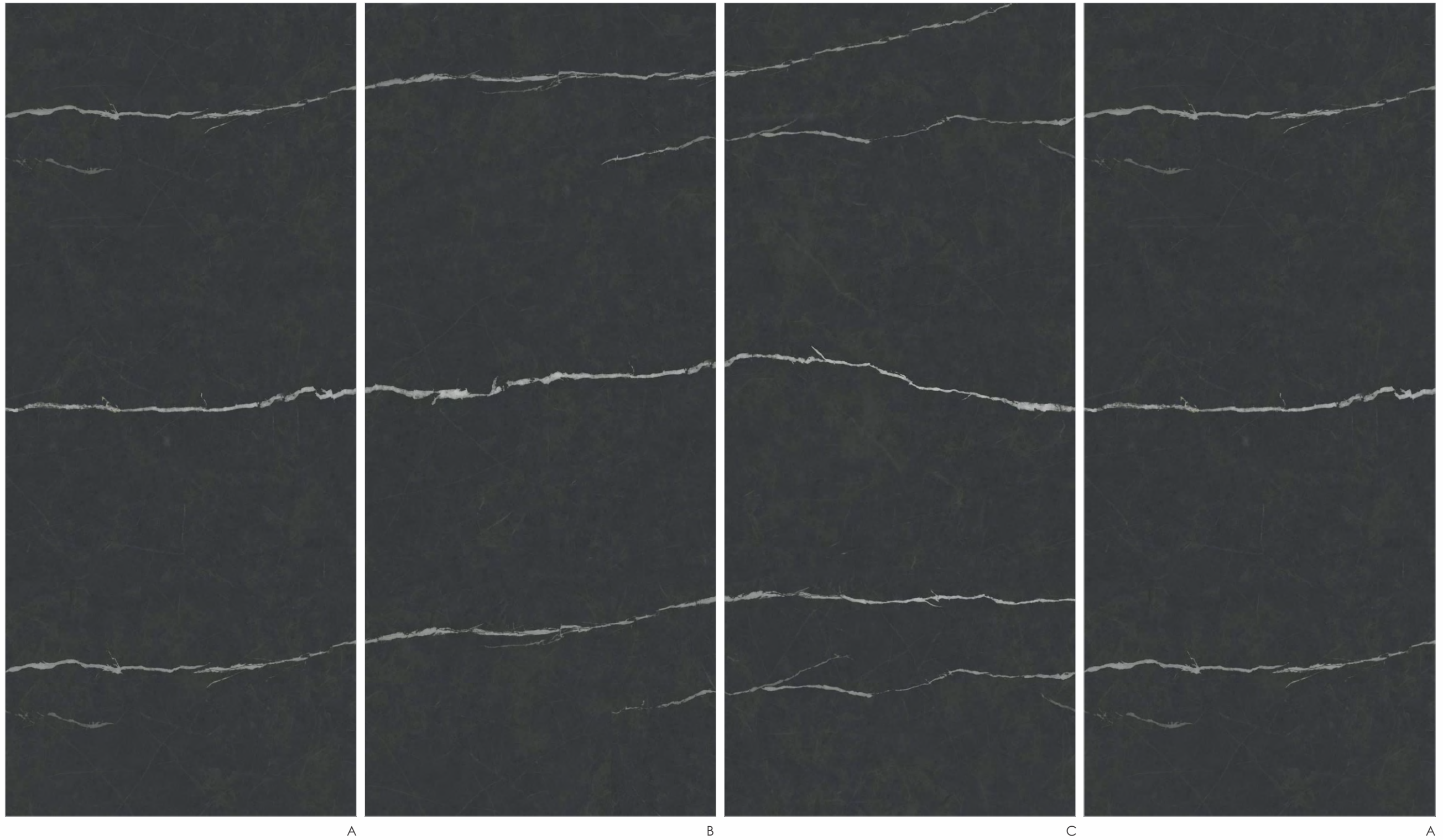
Rozetta



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



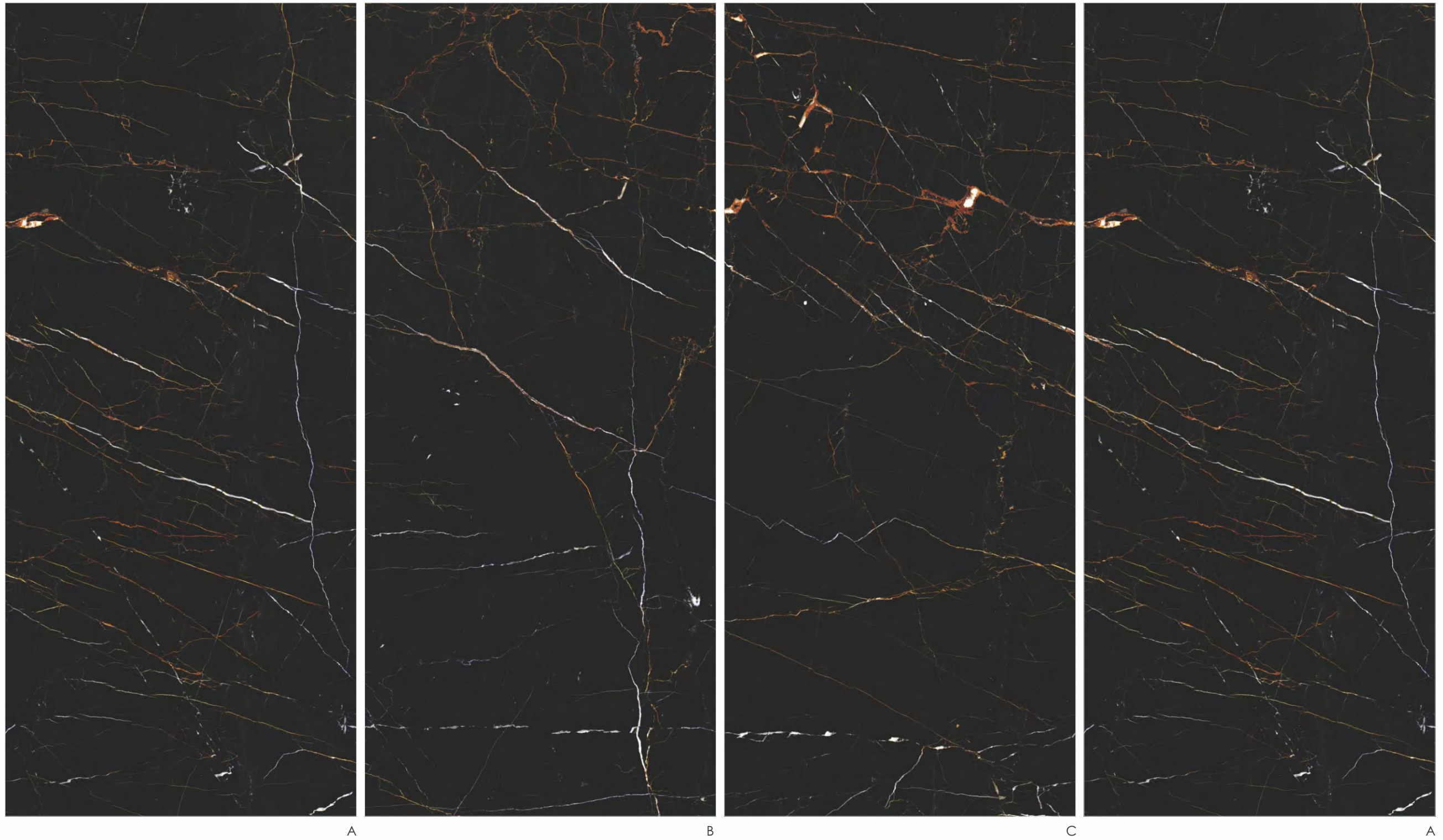
Horizon Dawn



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Marquina Pitch



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

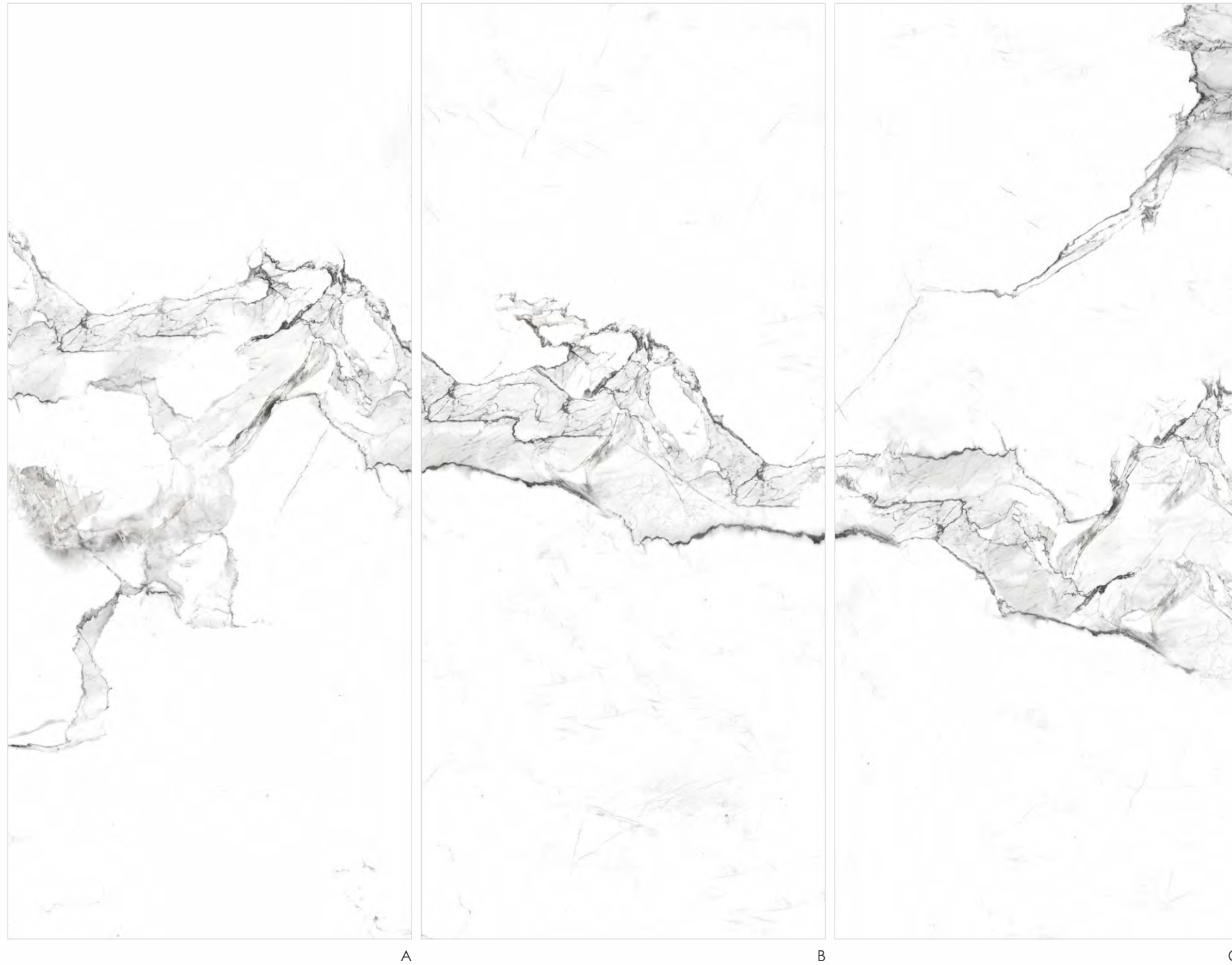
Calacatta Goldie



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Statuario Mount



A

B

C

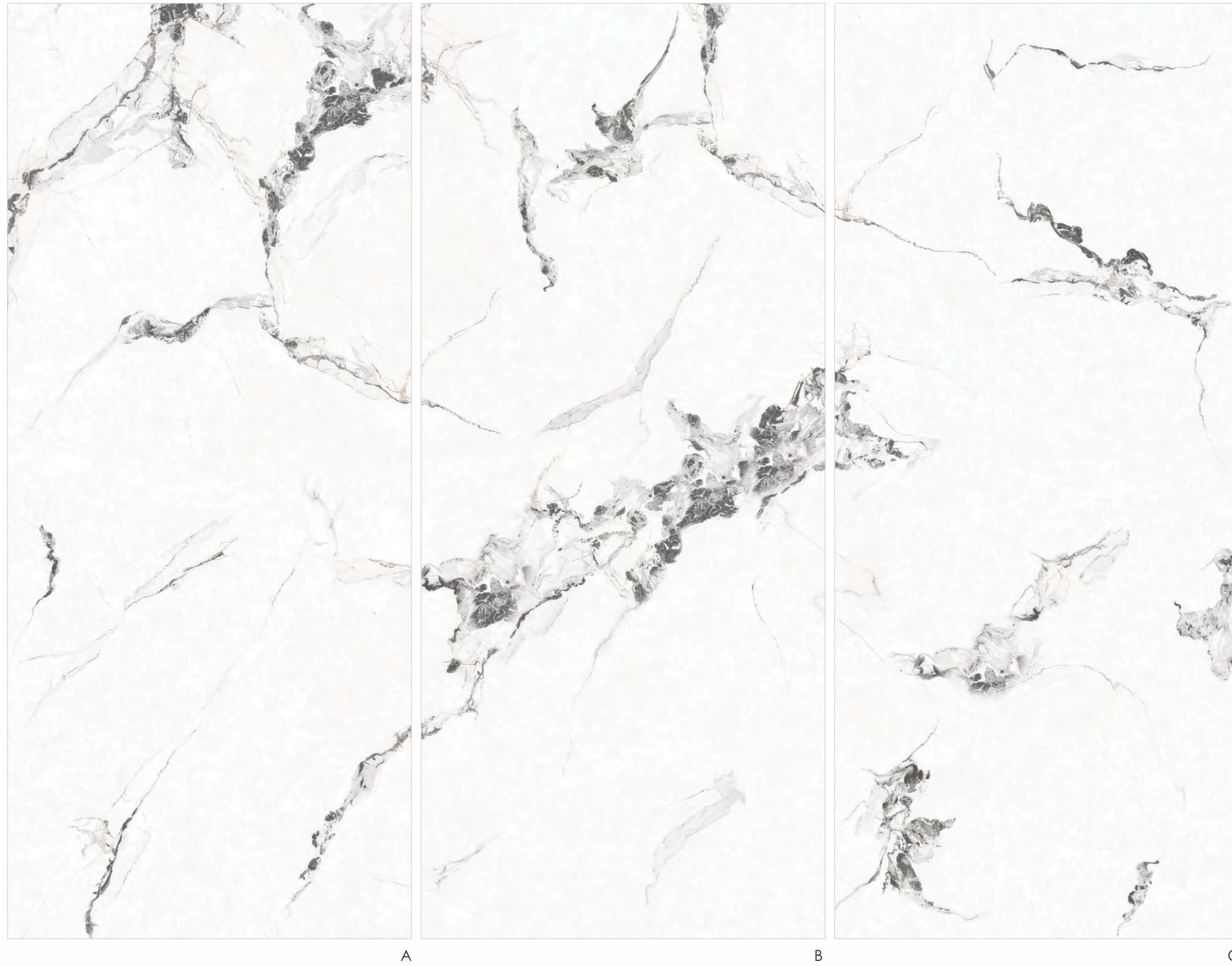
Statuario Whiz



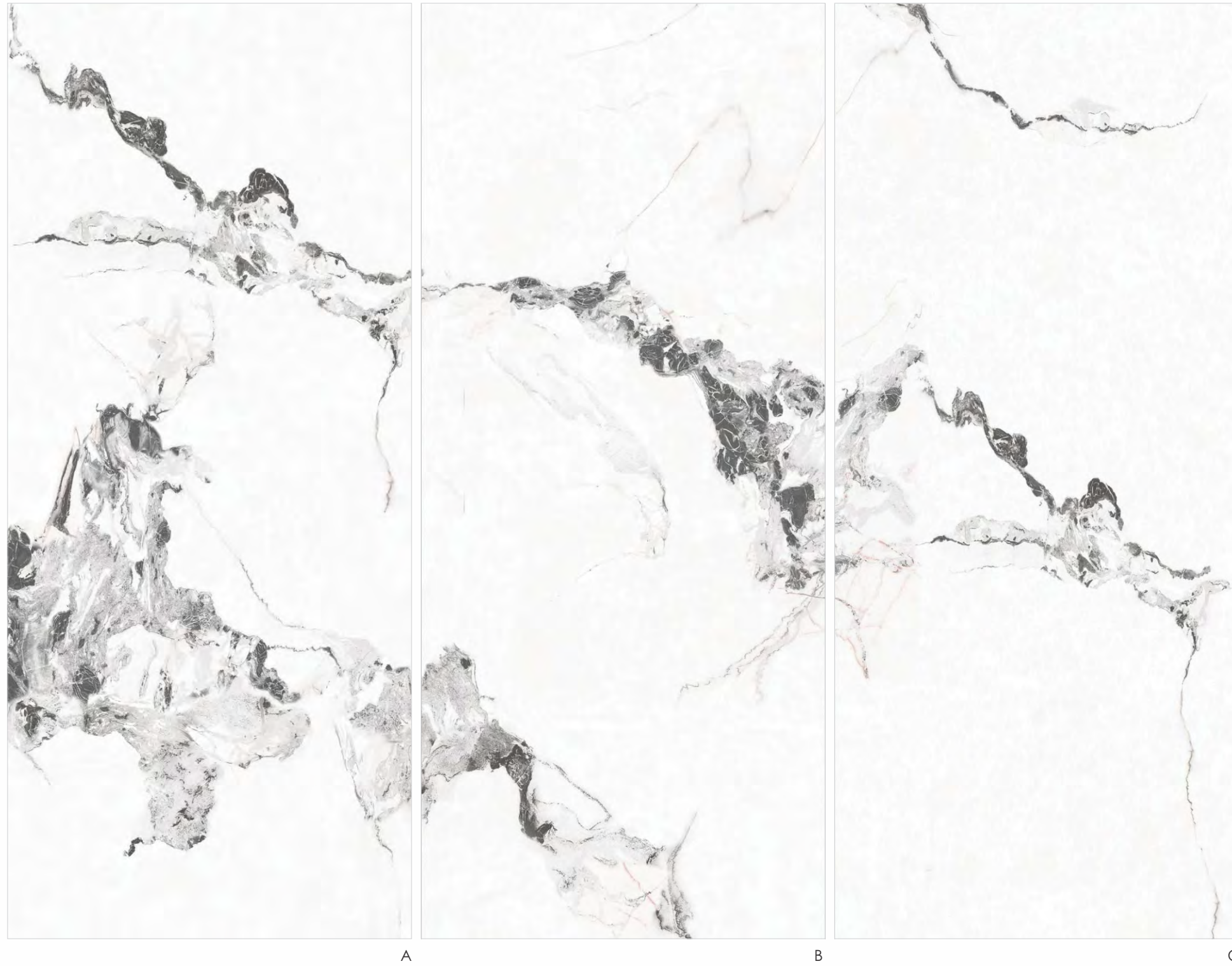
SIZE:
120x278cm

SURFACE:
High Gloss

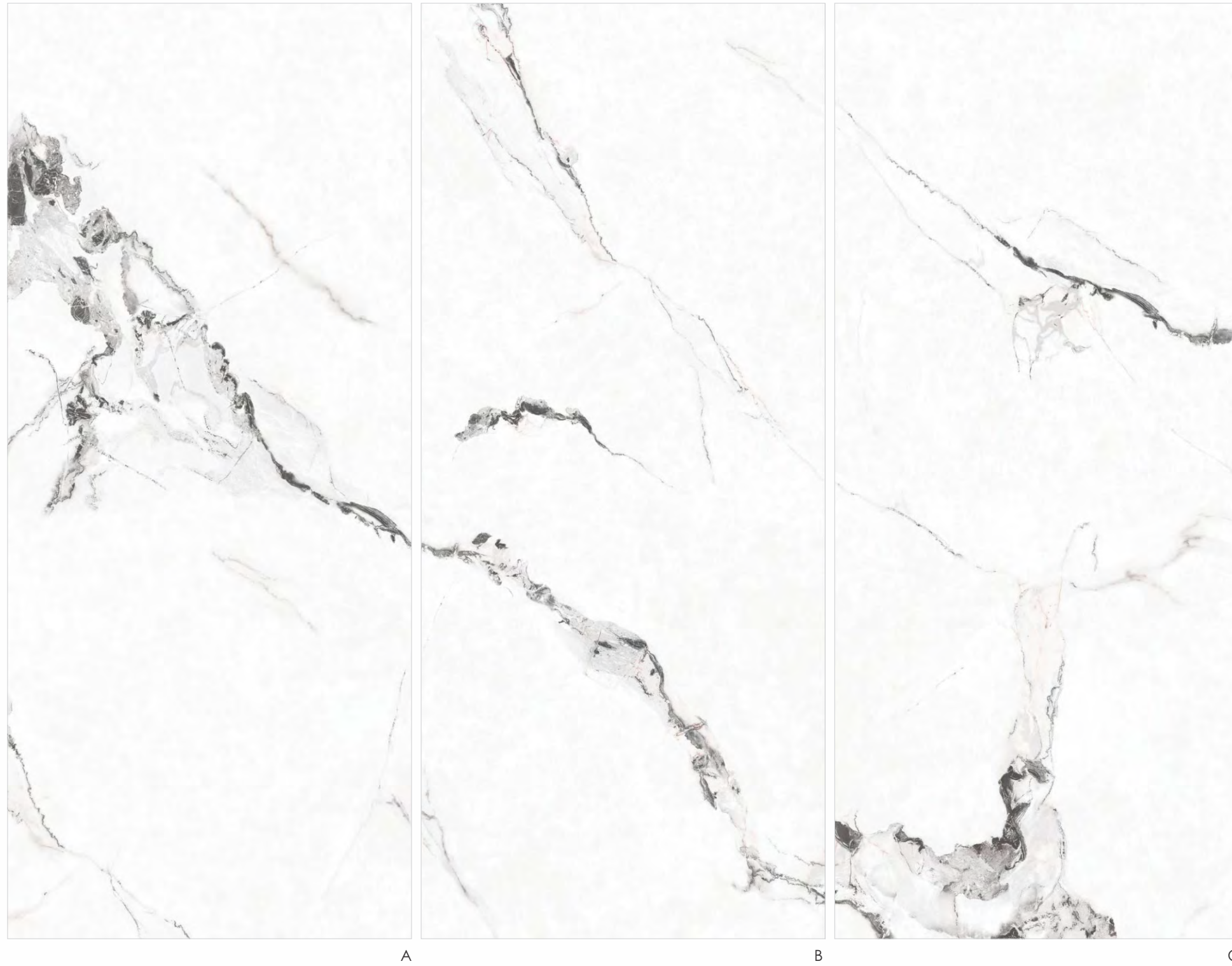
THICKNESS:
9 mm & 6 mm



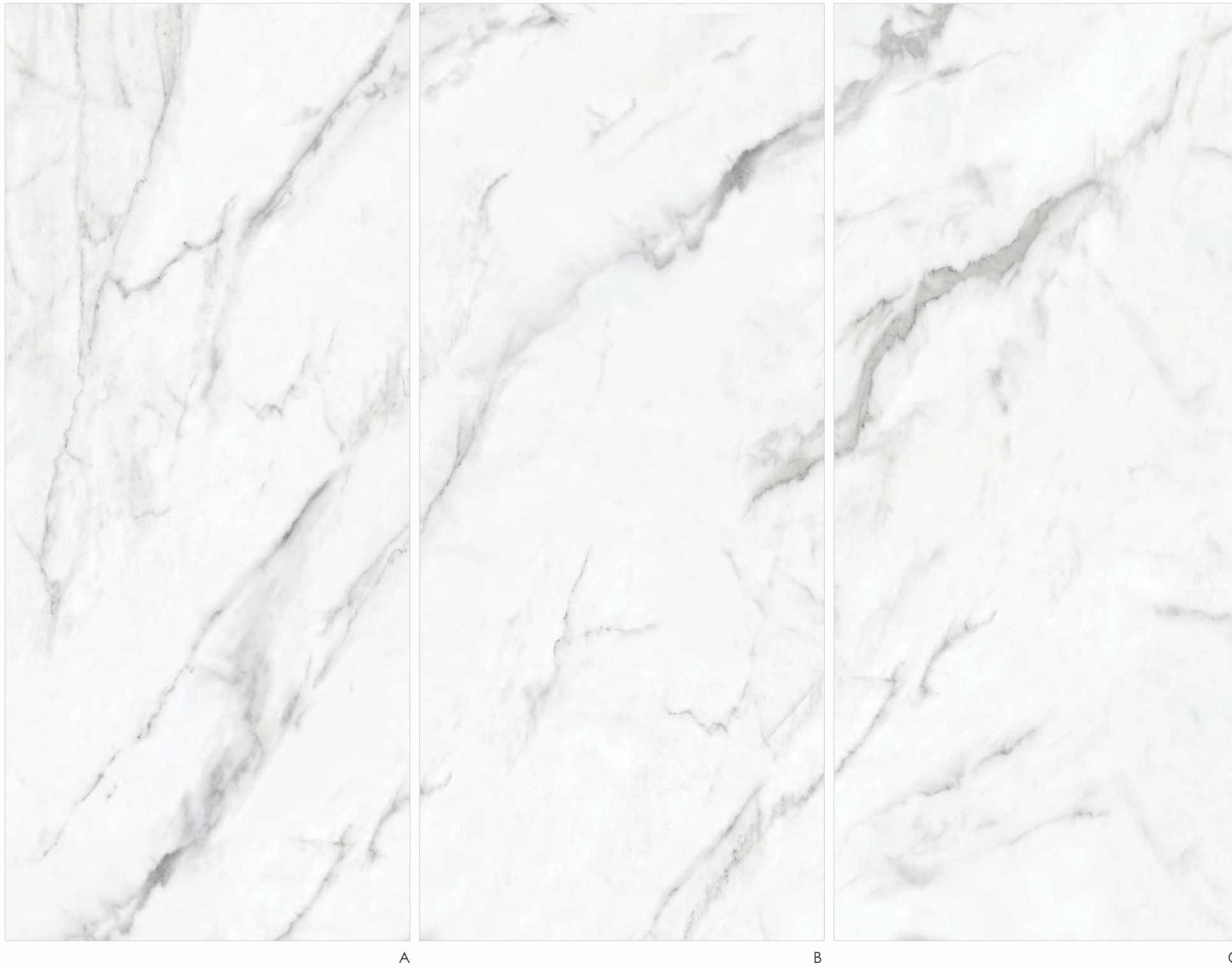
Novelty



Novelty Bianco



Novelty White



Statuario Swift



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

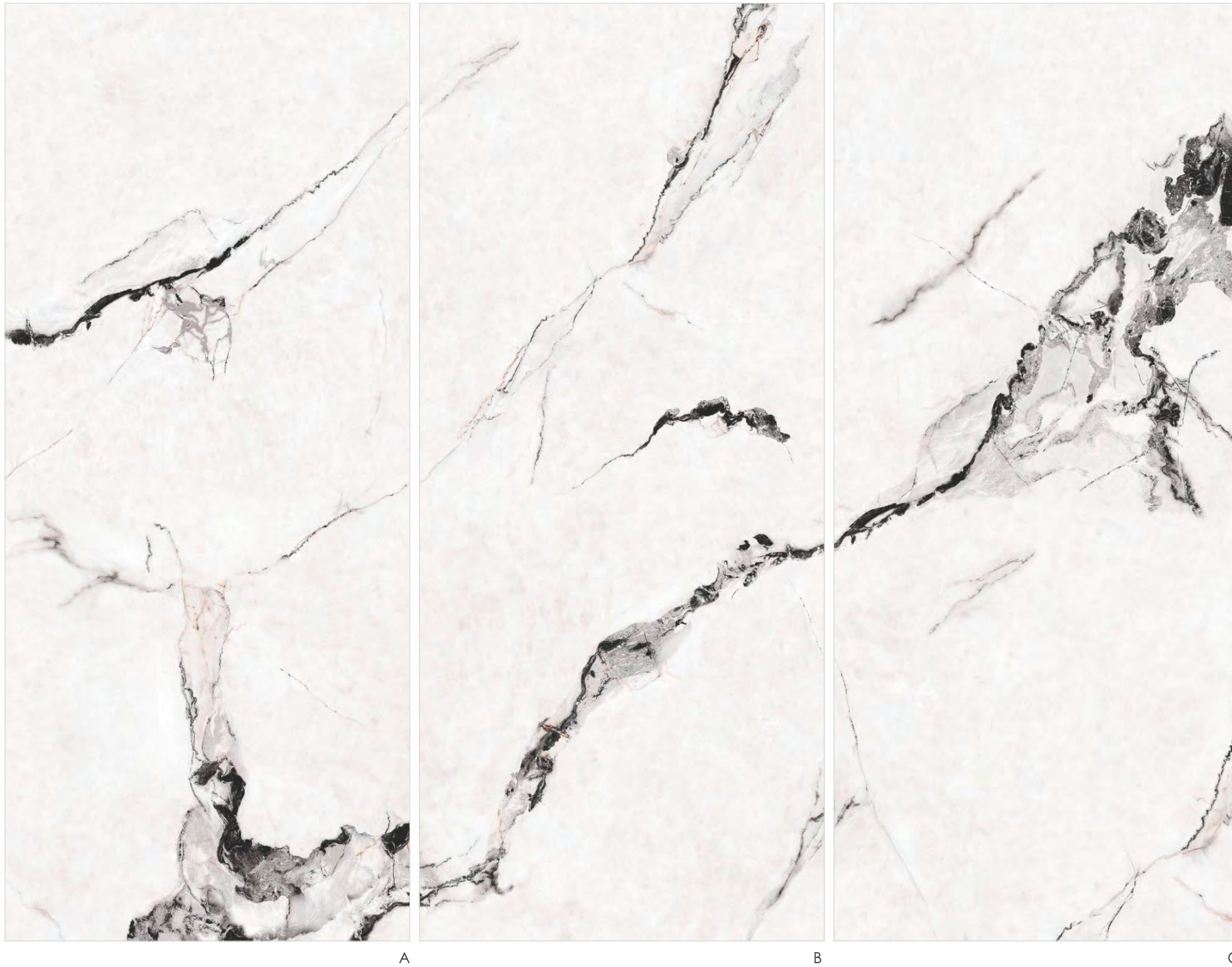
Carrara Vibe



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

Pitch Black



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

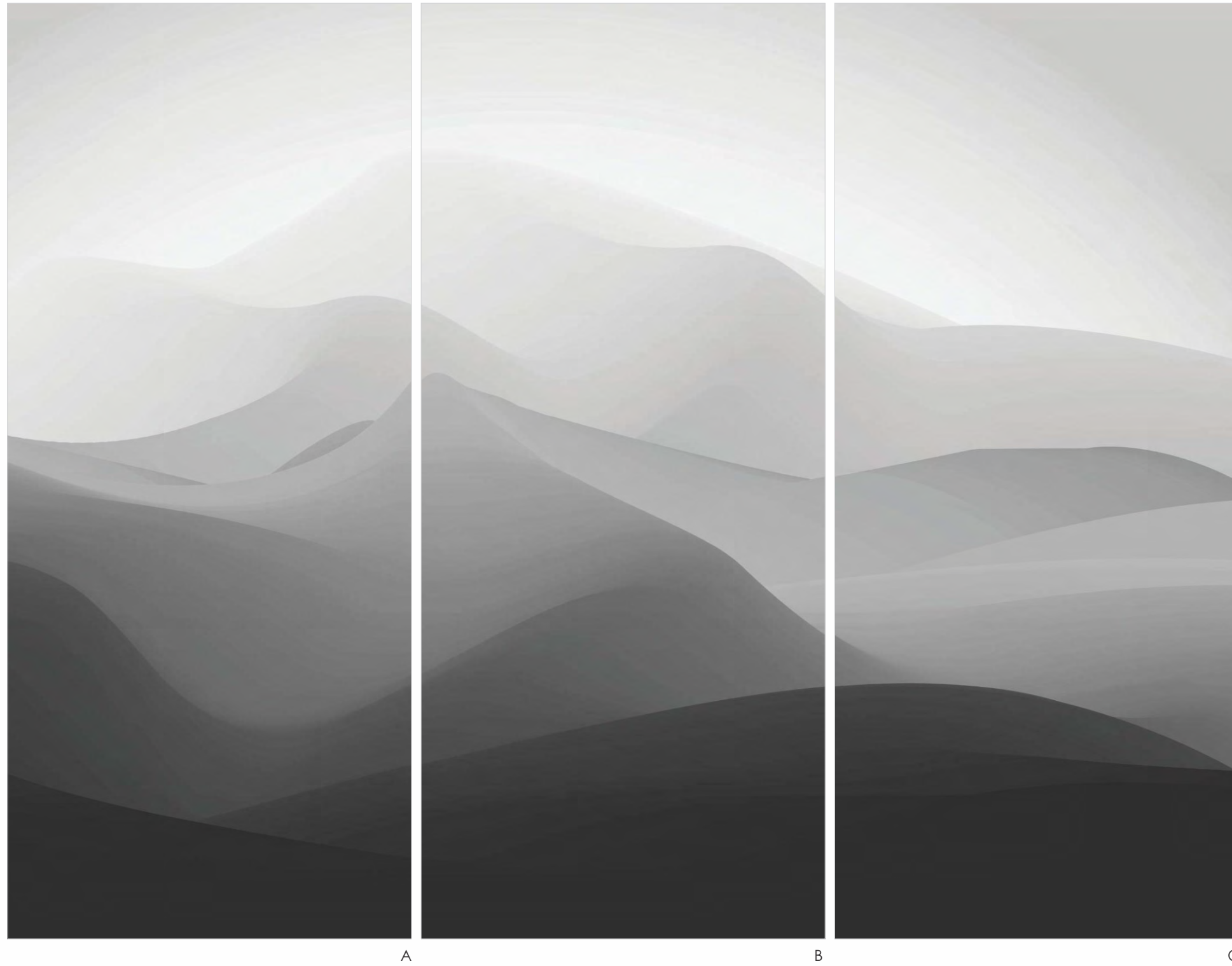
Statuario Horizon



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



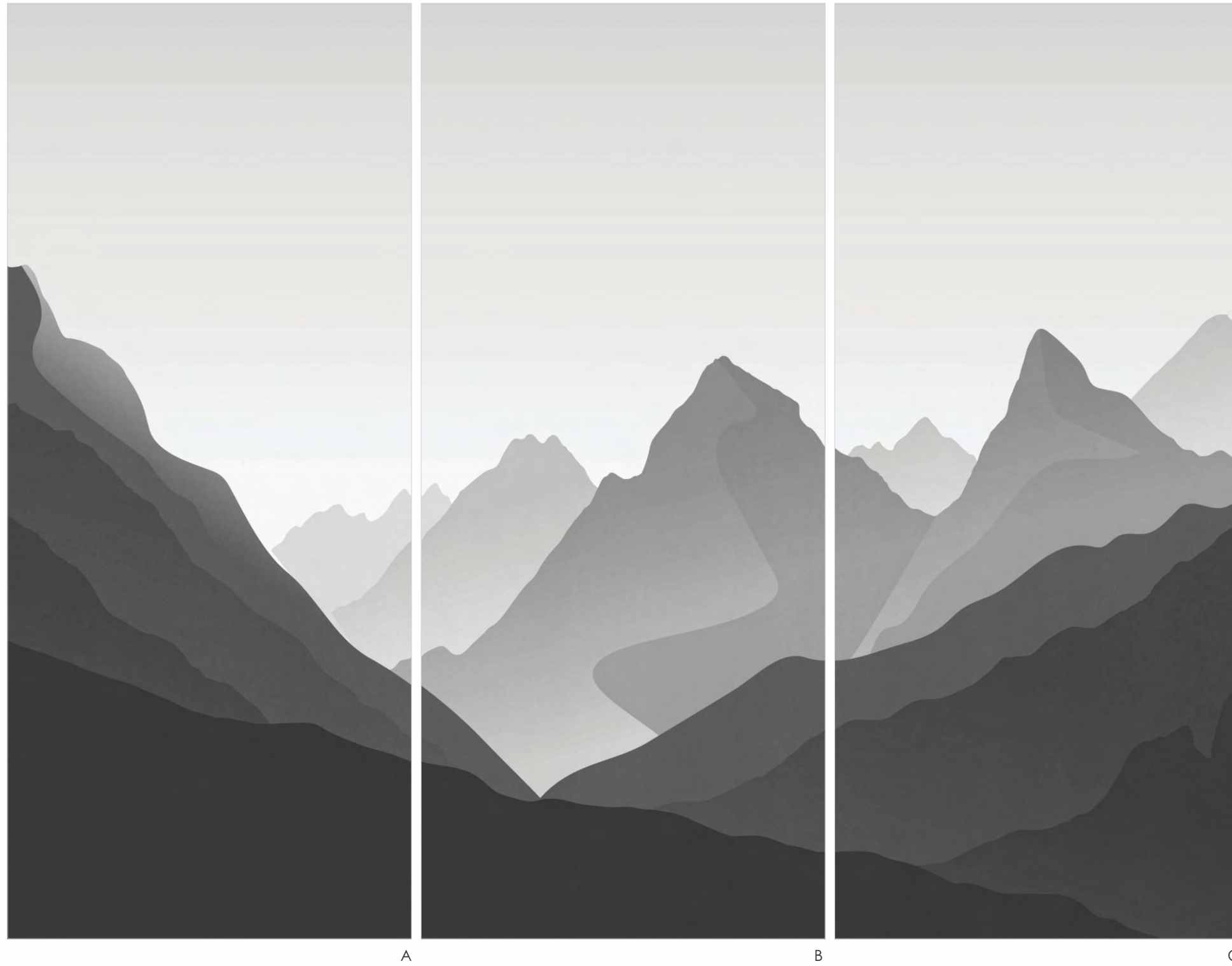
Mount Myst



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



Mount Valley



A

B

C

Greenwood



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm



A

B

C

Pietra Grigio



SIZE:
120x278cm

SURFACE:
High Gloss

THICKNESS:
9 mm & 6 mm

Cleaning & Maintenance

Our products are non porous (due to their high quality raw materials, stringent production parameters and state of the art technology), hence any dust or deposited waste cannot penetrate the surface.

For most cases only a damp cloth is sufficient for cleaning.

Regular cleaning highlights the aesthetic features of the surface and gives it exceptional shine.

For highly aggressive cleaning caused by some common food and substances follow the table below.

TYPE OF STAIN	CHEMICAL PRODUCT	EXAMPLE
Grease	Alkaline - Solvent	Detergent
Oil	Solvent	Ammonia, Baking Soda
Ink	Oxidant - Solvent	Alcohol, Liquid Bleach, Nail Paint Remover
Rust	Acid	Hydrochloric Acid, Vinegar, Red Harpic
Lime	Acid	Descaling Reagent, Hydro Chloric Acid
Cement	Acid	Hydro Chloric Acid
Wine	Alkaline	Ammonia, Liquid Bleach
Coffee	Alkaline - Solvent	Ammonia, Liquid Bleach
Rubber	Solvent	Alcohol, Thinner
Plaster	Acid	Hydro Chloric Acid
Candle Wax	Solvent	Alcohol, Thinner
Iodine	Oxidant	Liquid Bleach
Blood	Oxidant	Liquid Bleach
Ice Cream	Alkaline	Liquid Bleach

Note: It is recommended that any kind of stain needs to get clean immediately / as soon as possible.

Packing Details

PRODUCT	SIZE	THICKNESS	TILES / BOX	COVERAGE AREA / BOX	
Techno Surfaces	120x278cm / 48x110in	6mm	2 pcs.	6.68 sq. mtr.	71.18 sq. ft.
	120x278cm / 48x110in	9mm	1 pcs.	3.34 sq. mtr.	35.91 sq. ft.

Technical Specification

CHARACTERISTIC	STANDARD AS PER ISO13006:2012/ EN14411 Gr.Bla	STANDARD AS PER IS15622:2017 Gr.Bla	MEAN VALUE OF Enigma	TEST METHOD
Regulatory Properties				
Deviation in length and width	± 0.30 % (± 1.00 mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Deviation in thickness	± 5.00 % (± 0.50 mm)	± 5.00 %	± 4.00 %	ISO 10545-2 & IS 13630-1
Straightness in side	± 0.30 % (± 0.80 mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.30 % (± 1.50 mm)	± 0.10%	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface flatness Central Curvature	± 0.40 % (± 1.80 mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness Edge Curvature	± 0.40 % (± 1.80 mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness Warpage	± 0.40 % (± 1.80 mm)	± 0.50 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface Quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small Color Difference	ΔE < 0.75	N.A.	No Change	ISO 10545-16
Glossiness (Polished)	As per Manufacturer	As per Manufacturer	> 90° Gloss Value	Gloss Meter 60°
Glossiness (Matt)	As per Manufacturer	As per Manufacturer	3<GV<7	Gloss Meter 60°
Glossiness (Satin)	As per Manufacturer	As per Manufacturer	7<GV<18	Gloss Meter 60°
Structural Properties				
Water absorption	≤ 0.50 %	≤ 0.080 %	≤ 0.060 %	ISO 10545-3 & IS 13630-2
Bulk density	> 2.00 g/cc	Min. 2.20 g/cc	> 2.28 gm/cc	ISO 10545-3 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35.0 N/mm ²	Min. 35.0 N/mm ²	Min. 40.0 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. 1100.0 N	Min. 1800.0 N	ISO 10545-4 & IS 13630-6
Surface Mechanical Properties				
MOH'S hardness	Min. 4	Min. 5	Min 4**	BSEN 15771 & IS 13630-13
Surface abrasion resistance-Glossy #	As per Manufacturer	Min. Class II	Min. Class 2 / Min. Class II	ISO 10545-7 & IS 13630-11
Surface abrasion resistance-Matt #	As per Manufacturer	Min. Class II	Min. Class 3 / Min. Class II	ISO 10545-7 & IS 13630-11
Thermal Hygrometric Properties				
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	NIL	ISO 10545-10 & IS 13630-3
Thermal expansion(COE) at 100°C	As per Manufacturer	Max. 7.0 x 10 ⁻⁵	Max. 6.0 x 10 ⁻⁵	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. Class I	ISO 10545-14 & IS 13630-8
Resistance to Household Chemicals &Swimming Pool Salts Glazed	Min. Class GB	Min. Class AA	Min. Class GA/Min. Class AA	ISO 10545-13 & IS 13630-8
Resistance to Low Concentrate Acidand Alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GLB*/Min. Class A***	ISO 10545-13 & IS 13630-8
Resistance to High Concentrate Acidand Alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GHB*/Min. Class A***	ISO 10545-13 & IS 13630-8
Safety Properties				
Skid resistance(DCOF-Wet Pendulum)	As per Manufacturer	As per Manufacturer	Glossy- Po(<12) / Matt-P2(25-34)	BS 7976-2
Slip resistance(DCOF)(R value)##	As per Manufacturer	N.A.	Dose not yield Pb & Cd	DIN 51130
Determination of Lead & Cadmium Release for Glazed Tiles	As per Manufacturer	As per Manufacturer	Fire Proof	N.A.
Fire Resistance				

* 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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