

LIOLI[®]
ESTHETIC MARMORÉAL

Lioli Ceramica Pvt. Ltd.

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LIOLI

Medium Catalog
2022



Fascinating

Leonardo
da Vinci

“
Simplicity
is the ultimate
sophistication.”

450+

Employees

30

Acres of land

2

Slabs per minute

100,000

Square meters
of roofed space

13,000

Square meters per day
of production capacity

Global

Network

LIOLI



**Vision
Statement**

"To be a world leader in providing innovative ideas and solutions to ever changing demands and creating superior, unmatched designs and products to replicate the creations of Mother Nature"

**Mission
Statement**

"To create a gigantic and most modern infrastructure by collaborating with the worlds best technological partners to provide superior quality products and services to our customers and channel partners worldwide."

**Brand
Value**

"To be a world leader in providing innovative ideas and solutions to ever changing demands and creating superior, unmatched designs and products to replicate the creations of Mother Nature"



LIOLI is the 1st company in India to manufacture 3200X1600 size slab with the latest Italian technology under the flagship of TechnoSLAB

Simplicity is the ultimate sophistication.

Every time wherever we see the world of ceramics, our desire to explore it gets bigger and bigger. The desire of creating a unique and never seen before kind of ceramic brings out the best of us. It brings infinite potential out of us. A potential that was never explored before, a potential that has never been such easy to track and builds, a potential that was never a kind of reachable was reached. The destination of this kind of place is where LIOLI took birth.

LIOLI is a preeminent and innovative company in terms of manufacturing humongous size exquisite ceramic slabs. The approach is to turn surfaces into art forms. Globally, there was a void between tiles and natural stones. The tiles were bounded by their size limitations and stone slabs were reserved for the rich. This became our vision, to bridge this gap by harnessing our experience and technology



Turn On The Aesthetic Finish

Finishes :

Lustrous | Crystalline
Rustic Matt | Orgatech | Structure

Collections :

ORGATECH | TERRAZZO | Concrete | BOOKMATCH
MARBLE | WOODEN | stoneARCH | ONYX
STONE | MEEK | ART

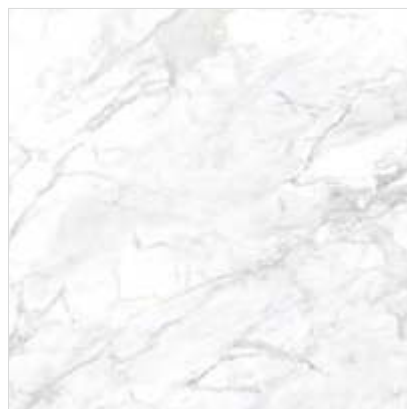
We give you the best of master finishes that define the perfect touch to your home corners, while also highlighting our various collections to set your ambiance at ease and elegant.

LIOLI

Bring a
sense of
superiority



LIOLI



Statuario bianco

1200x	Finish : Lustrous
1200mm	Thickness : 9mm

The most amazing, yet expensive tile options to enhance the opulence of your private home atmosphere, enhancing the texture, color and aesthetic of your entire home.



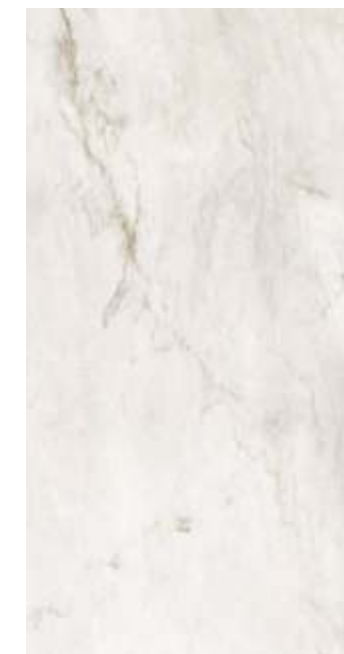
Bianco lasa

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Calacuta Mecchia Vecchia

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Calacutta bianco oro

1200x	Finish : Lustrous
1200mm	Thickness : 9mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12 mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm



Afyon white

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Crystalline
3200mm	Thickness : 6, 9, 12mm



Arabescato statuario

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Calacutta borghini

1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm



Calacutta luxe

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm



Fantasy onyx

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm

Add the soft textured style that brings a soft & subtle appearance that is just eye-catching to your ambiance which perfectly sets rustic vibe to your decor.



Mont Blanc Crystal

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 9, 12mm



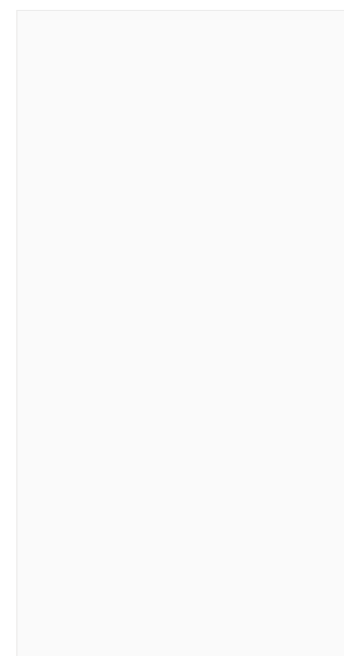
Mountain Coin

1200x	Finish : Rustic matt
2400mm	Thickness : 9, 12mm



Onice Bianco

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Everest White

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm



Statuario Venetian

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous Rustic Matt
1600mm	Thickness : 9, 12mm
1600x	Finish : Crystalline
3200mm	Thickness : 6, 9, 12mm



Statuario

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Statuario Norwell

1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous Rustic Matt
1600mm	Thickness : 9, 12mm



Statuario Platina

1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm



Ecf Coin

1200x	Finish : Rustic Matt
2400mm	Thickness : 6, 9, 12mm

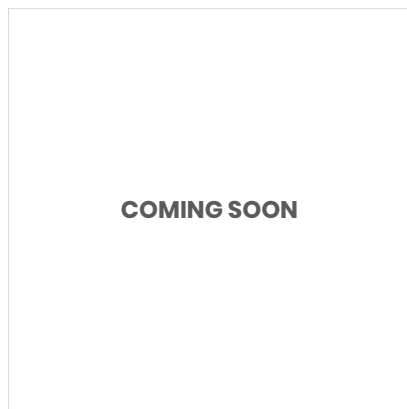


Lithic Coin

1200x	Finish : Rustic Matt
1200mm	Thickness : 9, 12mm
1200x	Finish : Rustic Matt
2400mm	Thickness : 6 mm
1600x	Finish : Structure
3200mm	Thickness : 6, 9, 12mm

Façade Special

Natural texture and an elegant surface make these tiles a wonderful addition to any home. Let these tiles add something extraordinary to your everyday life.



COMING SOON

New Statuario

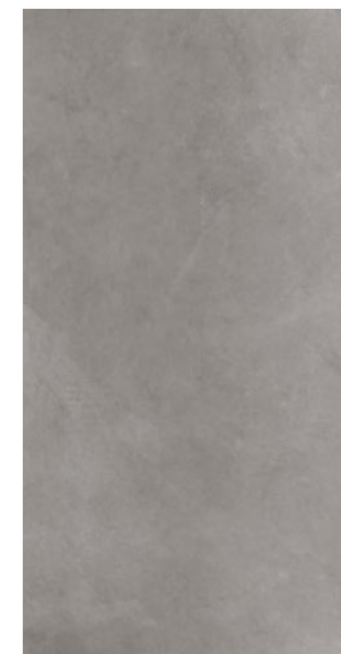
1600x	Finish : Lustrous Rustic Matt
1600mm	Thickness : 9, 12 mm

Get inspired by the beautiful texture of tiles that counts quality elegance and brings life to your remarkable home decor.



Antique Grey

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12mm



Ardesia Grigio

1200x	Finish : Structure
2400mm	Thickness : 9, 12mm



Ardesia Silver

1200x	Finish : Structure
2400mm	Thickness : 9, 12mm



Lithic antracite

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm
1600x	Finish : Structure
3200mm	Thickness : 6, 9, 12 mm

The rustic matt surfaces give the room a whole new dimension with a tinge of elegance and a stunning glow of style that makes it even more attractive and mesmerizing.

Enhance your home decor with a sense of refinement that will create a fresh, modern look and make it feel luxurious.



Arenisca night

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm



Astonia Grey

1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt Crystalline
3200mm	Thickness : 6, 9, 12mm

Achieve spaces illustrious and significant with an enhancing and decorative collection of surfaces from us.



Bruno Flakes

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm



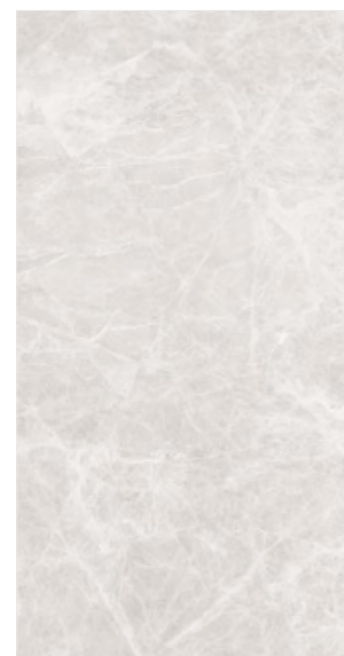
Cemento Flakes

1200x	Finish : Rustic matt
2400mm	Thickness : 9, 12mm



Cordoso Grey

1200x	Finish : Structure Matt
2400mm	Thickness : 6, 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm
1600x	Finish : Structure
3200mm	Thickness : 6, 9, 12mm



Hearms Grey

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12mm



Iron Grey

1200x	Finish : Orgatech
2400mm	Thickness : 9, 12mm
1600x	Finish : Orgatech
3200mm	Thickness : 6, 9, 12 mm



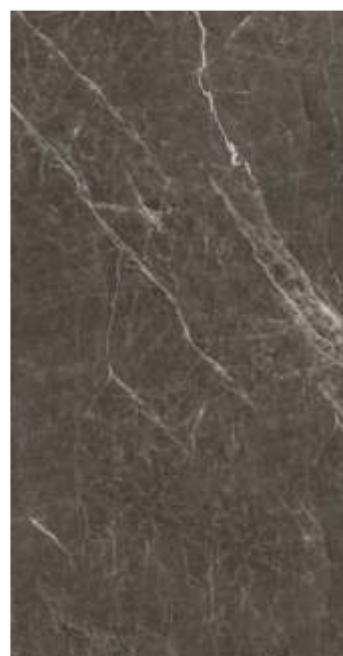
Mountain Tortora

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12 mm



Cordoso Silver

1200x	Finish : Structure Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm
1600x	Finish : Orgatech
3200mm	Thickness : 6, 9, 12mm



Damasta Grey

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm



Negresco Grigio

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm



Silver River

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm

Adding a Polished Texture that Lass with addition to modern home decor flourishing the apt decor that brings closer the lustrous view.

With tile lighting that illuminates the beauty of your aesthetic touches and enhanced by its magnificent glow, your appeal will be enhanced.



Armani Grey

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous Rustic Matt
1600mm	Thickness : 9, 12mm



Beton Flakes Grey

1200x	Finish : Rustic matt
1200mm	Thickness : 9 mm
1200x	Finish : Rustic matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm



Pietra Grey

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Crystalline Rustic Matt
3200mm	Thickness : 6, 9, 12mm

Façade Special



Cemento Antracite

1200x	Finish : Rustic Matt
2400mm	Thickness : 6, 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm



Iron Copper

1200x	Finish : Orgatech
2400mm	Thickness : 6, 9, 12mm

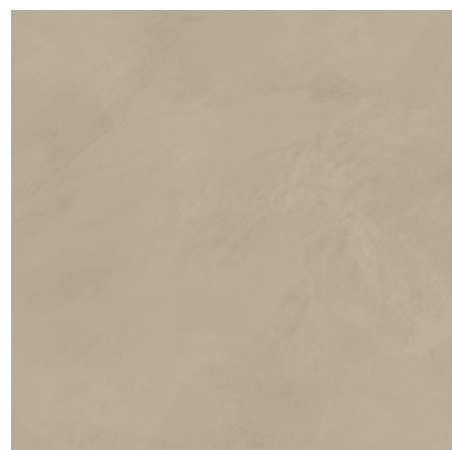


Cordoso Grey

1200x	Finish : Structure Matt
2400mm	Thickness : 6, 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm
1600x	Finish : Structure
3200mm	Thickness : 6, 9, 12mm

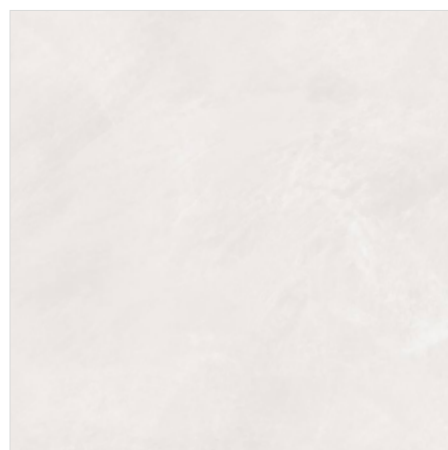
Natural texture and an elegant surface make these tiles a wonderful addition to any home. Let these tiles add something extraordinary to your everyday life.





Cemento Beige

1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12 mm



Cemento Bianco

1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12 mm



Cemento Tortora

1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12 mm



Arenisca Crema

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm



Breccia Blue

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Celio

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12 mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12 mm
1600x	Finish : Crystalline
3200mm	Thickness : 6, 9, 12 mm



Avola Desert

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm



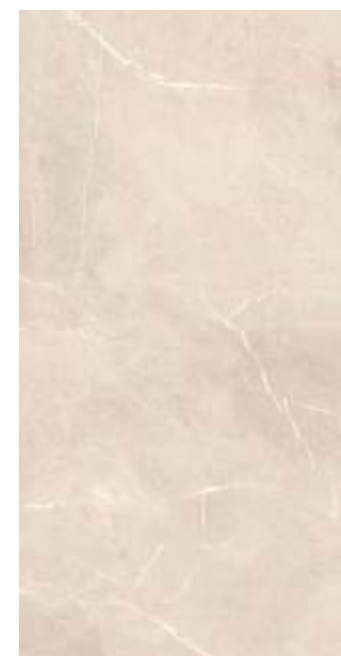
Regal Beige

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm



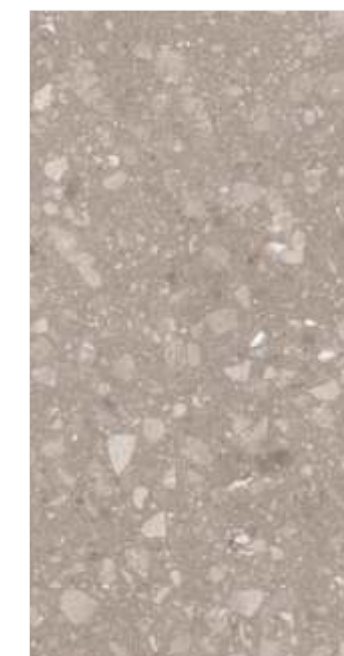
Burberry Beige

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12 mm



Negresco Latte

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt
1600mm	Thickness : 9, 12mm



Terra Flakes

1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm



Botticino Fiorita

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12 mm

These exquisite tiles will enhance the beauty of any decor, emitted their soft glow that will create an ambience of elegance.



Emperador Light

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Lustrous
1600mm	Thickness : 9, 12 mm



Lithic Latte

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Rustic Matt
2400mm	Thickness : 9, 12mm



Omani

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Travertine Beige

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12mm



Claros Beige

1200x	Finish : Lustrous
2400mm	Thickness : 9 mm

You can add a touch of elegance to your space-filled center that will last a lifetime with the finest style and design.

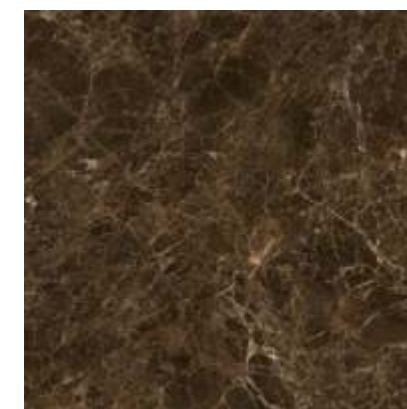


These tiles create a gorgeous ambiance that adds to the vintage style of your home when combined with their magnificent glow.



Avola Mocha

1200x	Finish : Rustic Matt
1200mm	Thickness : 9 mm



Emperador Classic

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm

Their magnificent glow enhances the vintage styling of your home as well as providing an ambiance that is rich and inviting.



Irish Brown

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Iron Corten

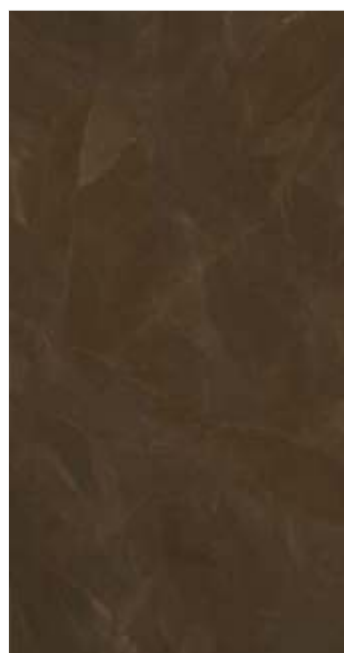
1200x	Finish : Orgatech
2400mm	Thickness : 9, 12mm
1600x	Finish : Orgatech
3200mm	Thickness : 6, 9, 12mm



Camouflage Esperada

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12 mm

Adding the finest tile to the opulence of your private home, enhancing the texture, color, and aesthetics of your entire home is one of the most interesting and expensive options available.



Armani Brown

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Armani Gold

1200x	Finish : Rustic Matt Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm
1600x	Finish : Rustic Matt Lustrous
1600mm	Thickness : 9, 12mm



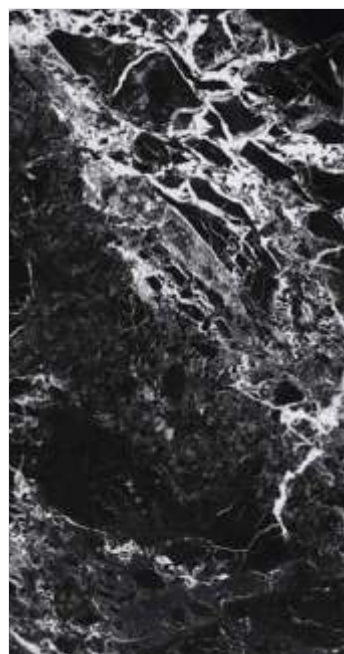
Grigio Nuvolato

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous
2400mm	Thickness : 9, 12mm



Uplift and redefine your spaces with the mesmerizing opulence of sophisticated surfaces from us.

Indulge in the sublime glory of magnificent surfaces with a fascinating collection of tiles from us.



Ashford Black

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12 mm



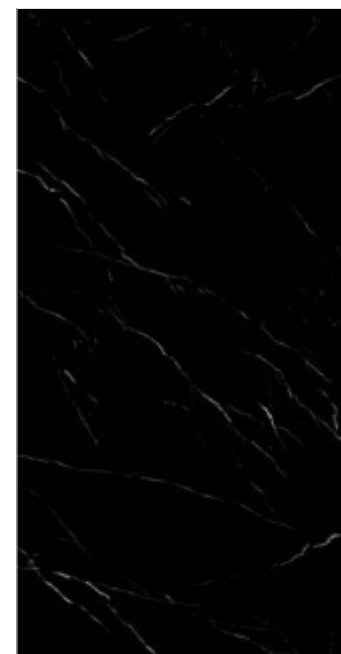
Dior Gold

1200x	Finish : Lustrous
2400mm	Thickness : 9, 12 mm
1600x	Finish : Orgatech Crystalline
3200mm	Thickness : 9, 12 mm



Grunge Copper

1200x	Finish : Orgatech
2400mm	Thickness : 9, 12 mm



Nero Marquina

1200x	Finish : Lustrous
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12 mm
1600x	Finish : Orgatech Crystalline
3200mm	Thickness : 6, 9, 12 mm



Saint Laurent

1200x	Finish : Lustrous Rustic Matt
1200mm	Thickness : 9 mm
1200x	Finish : Lustrous Rustic Matt
2400mm	Thickness : 9, 12 mm
1600x	Finish : Orgatech Crystalline Structure
3200mm	Thickness : 6, 9, 12 mm



Stratum Portoro

1200x	Finish : Lustrous
2400mm	Thickness : 9 mm
1600x	Finish : Crystalline Orgatech
3200mm	Thickness : 9, 12mm

This tile is an excellent addition to any ambience with a spark of remarkable colour finish to set it's first-rate nice dimensions and delicate layout.



Flora Mosaic

1200x	Finish : Lustrous
2400mm	Thickness : 9 mm

The ultimate exhilaration of fascinating spaces is attainable with our special collection of tiles, which will truly enhance the decor brilliantly.

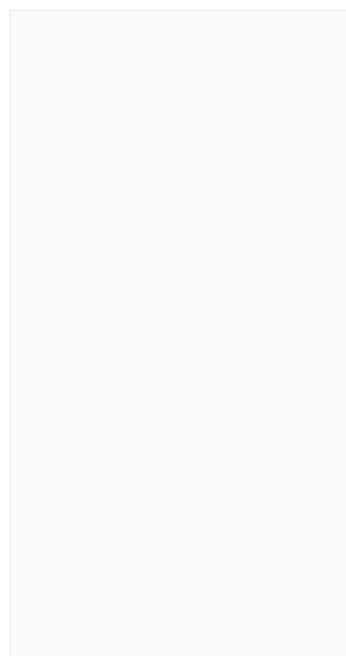
Providing your spaces with a stunning ambience of surfaces from exotic designs will make them visually striking.

Elegant surfaces that feature intricate embellishments will create a distinctive ambience for your spaces.



Carrara Ultimo

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Meek Arctic

1600x Finish : Rustic Matt
3200mm Thickness : 12mm

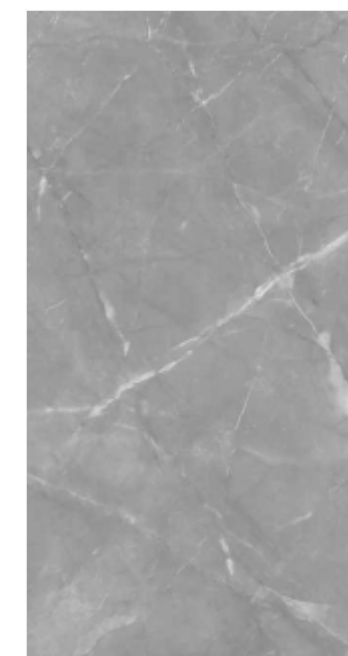
Reshape your interiors into influential spaces with an alluring distinction of surfaces exclusively from us.

Transform your spaces profoundly immersive with charismatic details of surfaces from us.



Meek Smoke

1600x Finish : Rustic Matt
3200mm Thickness : 12mm



Silver Armani

1200x Finish : Lustrous | Rustic Matt
1200mm Thickness : 9 mm
1200x Finish : Lustrous
2400mm Thickness : 9, 12 mm
1600x Finish : Lustrous
1600mm Thickness : 9, 12mm
1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Lithic Antracite

1200x Finish : Rustic Matt
1200mm Thickness : 9 mm
1600x Finish : Structure
3200mm Thickness : 6, 9, 12mm



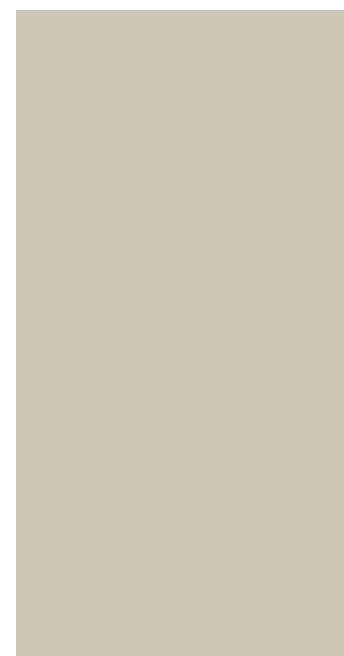
Lithic Nero

1600x Finish : Structure
3200mm Thickness : 6, 9, 12mm



Meek Ash

1600x Finish : Rustic Matt
3200mm Thickness : 12mm



Meek Oyster

1600x Finish : Rustic Matt
3200mm Thickness : 12mm



Meek Walnut

1600x Finish : Rustic Matt
3200mm Thickness : 12mm



Claros Mocha

1600x Finish : Lustrous
3200mm Thickness : 6, 9, 12mm

By adding these splendid tiles to your decor, you will create an atmosphere of elegance, as they emit a soft glow that enhances its beauty.



Bronze Armani
 1600x Finish : : Crystalline | Rustic Matt
 3200mm Thickness : 6, 9, 12mm



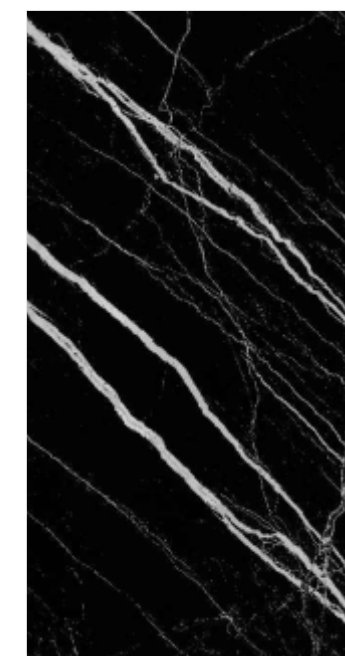
Honey Onyx
 1600x Finish : Crystalline
 3200mm Thickness : 6, 9, 12mm



Timber Bruno
 1600x Finish : Orgatech
 3200mm Thickness : 6, 9, 12mm



Meek Coal
 1600x Finish : Rustic Matt
 3200mm Thickness : 12mm



Marquina Venatino
 1600x Finish : Crystalline
 3200mm Thickness : 6, 9, 12mm



Piasentina
 1600x Finish : Structure
 3200mm Thickness : 12mm



Belgium Stone
 1600x Finish : Structure
 3200mm Thickness : 6, 9, 12mm



Cava Antracite
 1600x Finish : Orgatech
 3200mm Thickness : 6, 9, 12mm



Etnico
 1600x Finish : Crystalline
 3200mm Thickness : 6, 9, 12mm

By combining this art of elegance with style of endurance, you can achieve a unique aesthetic that brightens any space and lends a unique sense of style to any home.

A tile combining art of elegance with the endurance of endurance is a great way to brighten any space and create a unique accent tile for your home decor.

The opulent texture of tiles counts on quality and elegance for your home decor and brings life to it.

You can enclose your space in warmth and comfort by choosing lovely tiles!

Encompass in your spaces the delicate eminence of distinctive and ultra-luxurious surfaces with a spectacular tile collection from us.

Add the soft textured style that brings a soft & subtle appearance that is just eye-catching to your ambiance which perfectly sets rustic vibe to your decor.



Apuane statuario

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



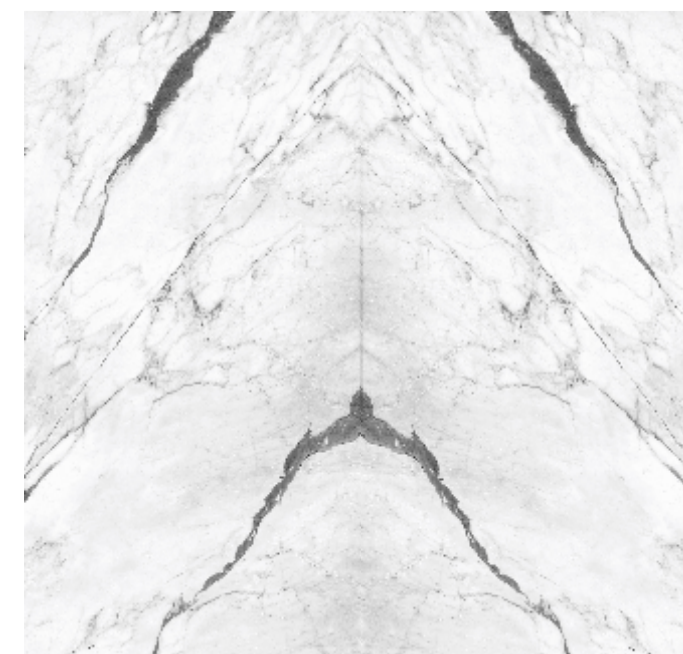
Bianco Lasa

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Carrara

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Statuario

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Calacutta Borghini

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



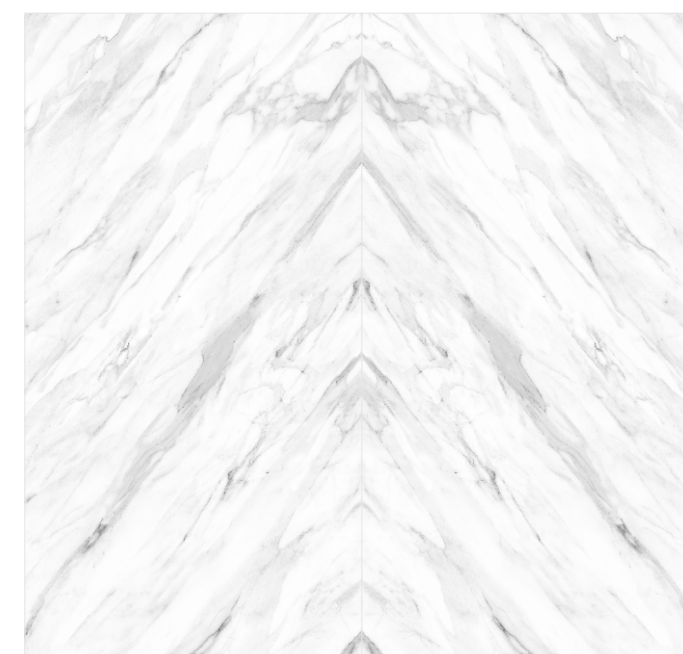
Calacutta Macchia Vecchia

1200x Finish : Crystalline | Rustic Matt
2400mm Thickness : 6, 9, 12mm



Statuario Norwell

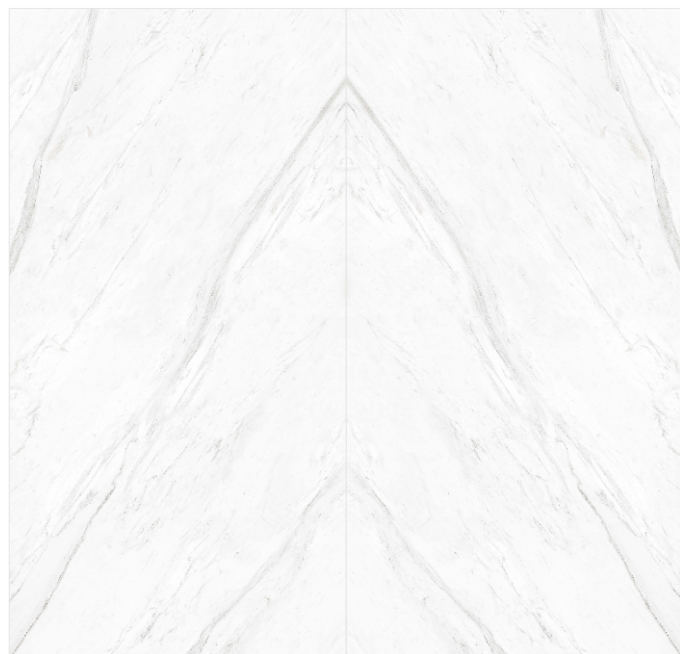
1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Statuario Nuvo

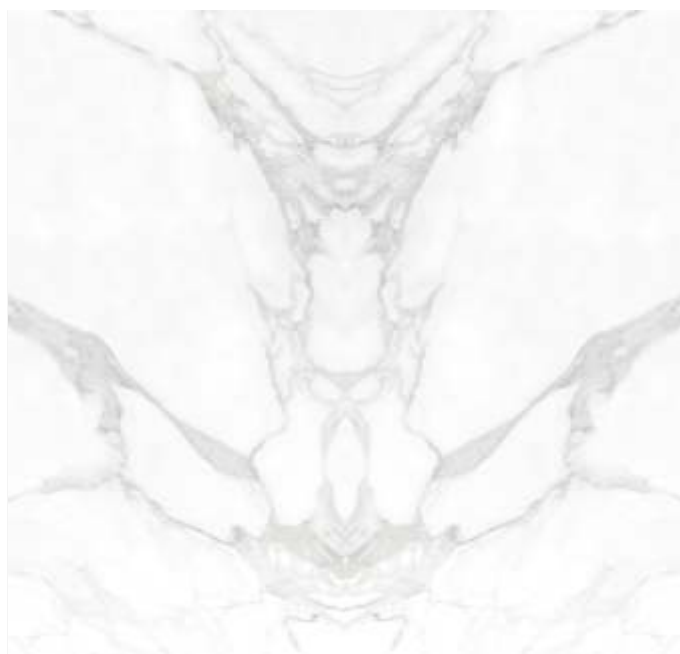
1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm





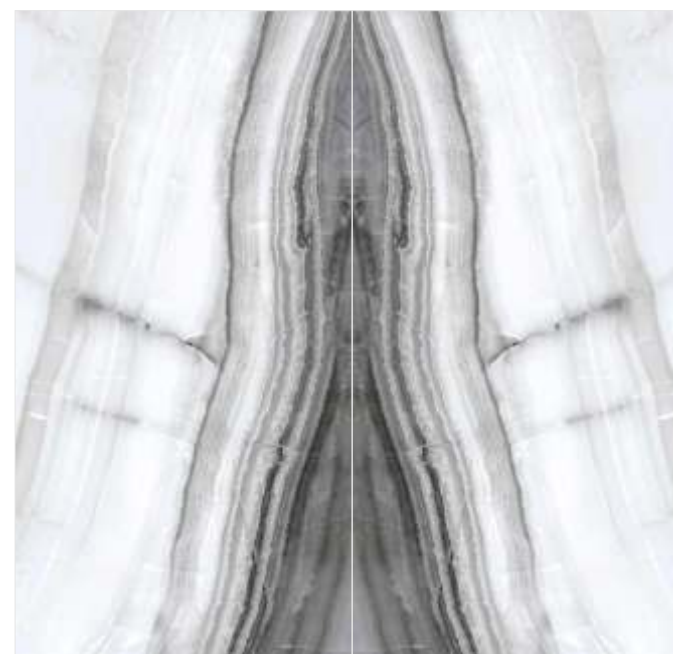
Statuario Platina

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Statuario Venetian

1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Graphite Onyx

1200x Finish : Lustrous
2400mm Thickness : 9 mm



Dolce Grey

1200x Finish : Lustrous
2400mm Thickness : 9 mm



Statuario Venato

1200x Finish : Lustrous
2400mm Thickness : 9 mm
1600x Finish : Crystalline | Rustic Matt
3200mm Thickness : 6, 9, 12mm



Meridiana Marron

1200x Finish : Lustrous
2400mm Thickness : 9 mm



03.7 Technical specification

CHARACTERISTIC	TEST METHOD	MEAN VALUE OF LIOLI	STD. AS PER ISO13006:2012/ EN14411 Gr.Bla	STD. AS PER IS15622:2017 Gr.Bla
Regulatory Properties				
Deviation in length and width	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.50 %	± 0.10 %
Deviation in thickness	ISO 10545-2 & IS 13630-1	± 4.00 %	± 5.00 %	± 5.0 %
Straightness in side	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.10 %	± 0.10 %
Rectangularity	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.60 %	± 0.10%
Surface flatness Central Curvature	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.50 %	± 0.50 %
Surface flatness Edge Curvature	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.50 %	± 0.50 %
Surface flatness Warpage	ISO 10545-2 & IS 13630-1	± 0.10 %	± 0.50 %	± 0.50 %
Surface Quality	ISO 10545-2 & IS 13630-1	> 95% defects free	> 95% defects free	> 95% defects free
Small Color Difference	ISO 10545-16	No Change	Unaltered	N.A.
Glossiness (With Nano Polished)	Gloss Meter 60°	> 90° **	As per Mfg.	As per Mfg.
Glossiness (Without Polished)	Gloss Meter 60°	7° < Gloss < 14°**	As per Mfg.	As per Mfg.
Glossiness (Satin Finished)	Gloss Meter 60°	15° < Gloss < 25°***	As per Mfg.	As per Mfg.
Structural Properties				
Water absorption	ISO 10545-2 & IS 13630-3	≤ 0.50 %	≤ 0.50 %	≤ 0.80 %
Bulk density	DIN51082 & IS 13630-3	> 2.28 gm/cc	> 2.00 g/cc	Min. 2.20 g/cc
Massive Mechanical Properties				
Modulus of rupture	ISO 10545-4 & IS 13630-6	Min. 37.0 N/mm ²	Min. 35.0 N/mm ²	Min. 35.0 N/mm ²
Breaking strength thickness <7.5	ISO 10545-4 & IS 13630-6	Min. 1000.0 N	Min. 700.0 N	Min. 700.0 N
Breaking strength thickness ≥7.5	ISO 10545-4 & IS 13630-6	Min. 1600.0 N	Min. 1300.0 N	Min. 1100.0 N
Surface Mechanical Properties				
MOH'S hardness	EN 101 & IS 13630-13	Min. 4***	Min. 4	Min. 5
Surface abrasion resistance-Glossy #	ISO 10545-7 & IS 13630-11	Min. Class 2	As per Mfg.	Min. Class II
Surface abrasion resistance-Matt #	ISO 10545-7 & IS 13630-11	Min. Class 3	As per Mfg.	Min. Class II
Thermal Hydrometric Properties				
Moisture expansion	ISO 10545-10 & IS 13630-3	NIL	Max. 0.06	Max. 0.02
Thermal expansion(COE) at 100°C	ISO 10545-8 & IS 13630-4	Max. 6.0 x 10 ⁻⁶	As per Mfg.	Max. 7.0 x 10 ⁻⁶
Thermal shock resistance	ISO 10545-9 & IS 13630-5	Min. 10 Cycle	Min. 10 Cycle	Min. 10 Cycle
Crazing Resistance at 7.5 Bar	ISO10545-11 & IS 13630-9	Min. 6 Cycle	As per Mfg.	Min. 4 Cycle
Impact resistance(COR)	ISO 10545-5 & IS 13630-14	Min. 0.55	As per Mfg.	Min. 0.55
Frost resistance	ISO10545-12 & IS 13630-10	Frost Proof	As per Mfg.	As per Mfg.
Chemical Properties				
**Resistance to Staining Glazed	ISO 10545-14 & IS 13630-8	Min. Class 4 / Min. Class I	Min. Class 3	Min. Class I
**Resistance to Household Chemicals & Swimming Pool Salts Glazed	ISO 10545-13 & IS 13630-8	Min. Class GA / Min. Class AA	Min. Class GB	Min. Class AA
Resistance to Low / High Concentrate Acid and Alkalis Glazed	ISO 10545-13 & IS 13630-8	Min. Class GLB** / Min. Class A****	As per Mfg.	As per Mfg.
Safety Properties				
Skid resistance(DCOF-DRY)	ISO 10545-17	> 0.40	As per Mfg.	As per Mfg.
Slip resistance(DCOF)(R value)##	ISO 10545-17	N.A.	As per Mfg.	As per Mfg.
Determination of Lead & Cadmium Release for Glazed Tiles	ISO 10545-15	Dose not yield Pb & Cd	As per Mfg.	N.A.
Fire Resistance	N.A.	Fire Proof	As per Mfg.	As per Mfg.

Glaze tiles Intended for use on floor
 ## As per customer requirement
 ** Glossiness 90% with nano technology
 *** Without nano technology (Unpolished Vitrified tiles)
 **** Except Hydrofluoric Acid & it's compound

03.8 Container packing details

Size	Thickness	Weight /Slab	No. of Bundles or A-Frames	Total Slabs or Box	Slabs / Container	sq mtr / Container	Weight/ Container	Size of Container
** 3200x1600mm	6mm	73.5 kg	7	40 slabs	280	1433.60	21.5 t	20 ft
## 3200x1600mm	6mm	73.5 kg	3	40 slabs	120	614.40	9.82 t	20 ft
## 3200x1600mm	6mm	73.5 kg	9	40 slabs	360	1843.20	27.6 t	40 ft
** 3200x1600mm	9mm	110.0 kg	7	26 slabs	182	931.84	20.2 t	20 ft
## 3200x1600mm	9mm	110.0 kg	9	26 slabs	234	1198.08	25.7 t	40 ft
** 3200x1600mm	12mm	147.0 kg	7	20 slabs	140	716.80	21.5 t	20 ft
## 3200x1600mm	12mm	147.0 kg	3	20 slabs	60	307.20	9.8 t	20 ft
## 3200x1600mm	12mm	147.0 kg	9	20 slabs	180	921.60	27.4 t	40 ft
* + # 2400x1200mm	6mm	41.5 kg	8' + 4"	56' + 24"	544	1566.72	23.0 t	20 ft
## 2400x1200mm	6mm	41.5 kg	4	40 box	320	921.60	14.0 t	20 ft
# 2400x1200mm	6mm	41.5 kg	12	24 slabs	288	829.40	13.1 t	20 ft
* 2400x1200mm	6mm	41.5 kg	11' + 1'	56' + 24'	640	1843.20	27.0 t	40 ft
## 2400x1200mm	6mm	41.5 kg	8	80 slabs	640	1843.20	27.0 t	40 ft
# 2400x1200mm	6mm	41.5 kg	24	24 slabs	576	1658.90	26.3 t	40 ft
* + # 2400x1200mm	9mm	62 kg	8' + 4"	34' + 16"	336	967.68	21.4 t	20 ft
## 2400x1200mm	9mm	62 kg	4	50 box	200	576.00	12.8 t	20 ft
# 2400x1200mm	9mm	62 kg	12	16 slabs	192	552.90	13.1 t	20 ft
* 2400x1200mm	9mm	62 kg	12' + 1'	34' + 12' box	420	1209.6	26.5 t	40 ft
## 2400x1200mm	9mm	62 kg	8	50 box	400	1152.00	25.4 t	40 ft
# 2400x1200mm	9mm	62 kg	24	16 slabs	384	1105.90	26.2 t	40 ft
## 1600x1600mm	9mm	55 kg	6	48 slabs	288	737.28	17.0 t	20 ft
## 1600x1600mm	9mm	55 kg	11	48 slabs	528	1351.68	27.2 t	40 ft
* + # 1200x1200mm	9mm	62 kg	13' + 4"	26' + 21"	422	1215.36	27.0 t	20 ft
# 1200x1200mm	9mm	62 kg	17	26 slabs	422	1215.36	27.0 t	40 ft

** = Bundle | * = Vertical Pallet | ## = A-Frame | # = Horizontal Crate

Note:

- Horizontal Crates: Slabs will be available without box packing for horizontal crates.
- 3200x1600mm: will be available without box packing only.
- 2400x1200mm: 6mm thickness slabs available in 2 pcs box packing & 9mm thickness slabs available in 1 pcs box packing.
- 1600x1600mm: 9mm thickness slabs available in 1 pcs box packing.
- 1200x1200mm: 9mm thickness slabs available in 2 pcs box packing.

