



FLOOR | WALL | COUNTERTOPS

PANORAMIC

porcelain surfaces™

 daltile®

PANORAMIC

porcelain surfaces™

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- SLAB
- USAGE
- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR*
- SPECIAL FEATURES
- STEPWISE
- TRU-EDGE
- MADE IN THE U.S.A.
- LARGE FORMAT
- MOSAIC/DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT
- P
- LOW HIGH

INTRODUCING SURFACES LIKE YOU'VE NEVER SEEN THEM BEFORE.

Panoramic Porcelain Surfaces™ features porcelain that performs and design that delivers for your walls, floors and countertops. This collection offers breathtaking views, stunning visuals and seamless design with no boundaries.

THE POSSIBILITIES: LIMITLESS

With Panoramic Porcelain Surfaces™, you have a unique opportunity to let your imagination run wild. If you've ever dreamt of using limestone slab in places limestone should never be used, Panoramic can help you make those dreams come true. Or, if you've ever wished you could bathe a room in marble, now you can create that look at a fraction of the cost.



SEE WHERE YOUR
IMAGINATION TAKES YOU.

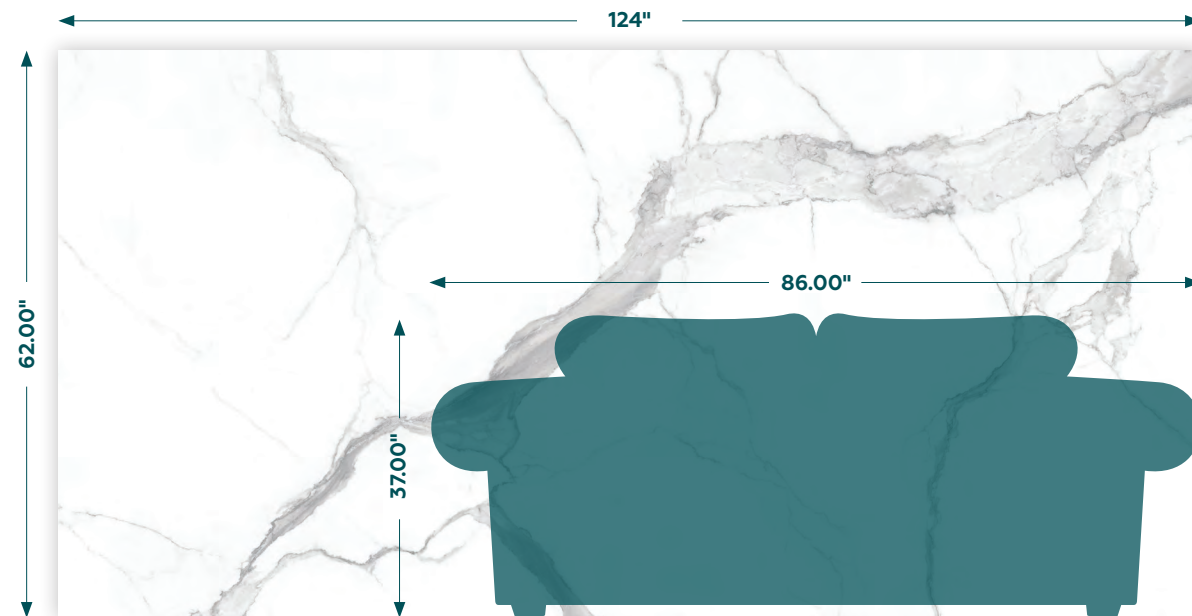




SLAB SIZES

126" x 63" x 1/4" (62-7/8" x 125-3/4") Rectified (160 cm x 320 cm x 6 mm)
 127" x 64" x 1/2" (62-7/8" x 125-3/4") Not Rectified (163 cm x 324 cm x 12 mm)*
 — approximately 10.5' by 5.3'

*Only available in Jasper Grey, Statuario, Calacatta Aries, Blanc, Calacatta, Calacatta Topaz, Moonstone, Gypsum Calacatta, Diamond Mine, Onyx Galaxy, Marfil, Titanium Grey, and Manor White.



THICKNESS: 6 MM

THICKNESS: 12 MM

12 mm available only in select SKUs



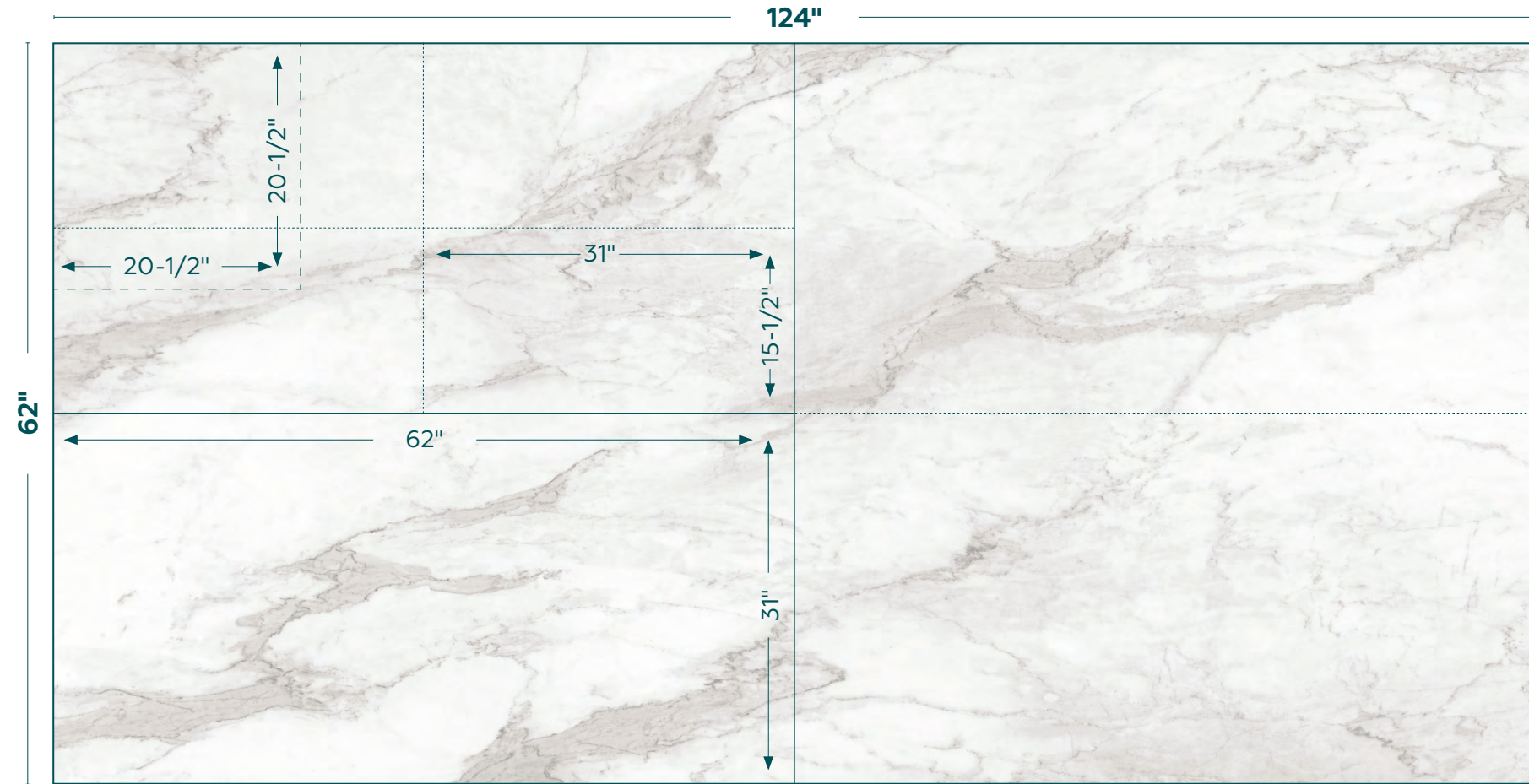


EXPLORE ENDLESS
POSSIBILITIES.



ASK ABOUT OUR **FLEXFIT™** GUIDE
A CUSTOM CUT TO SIZE PROGRAM

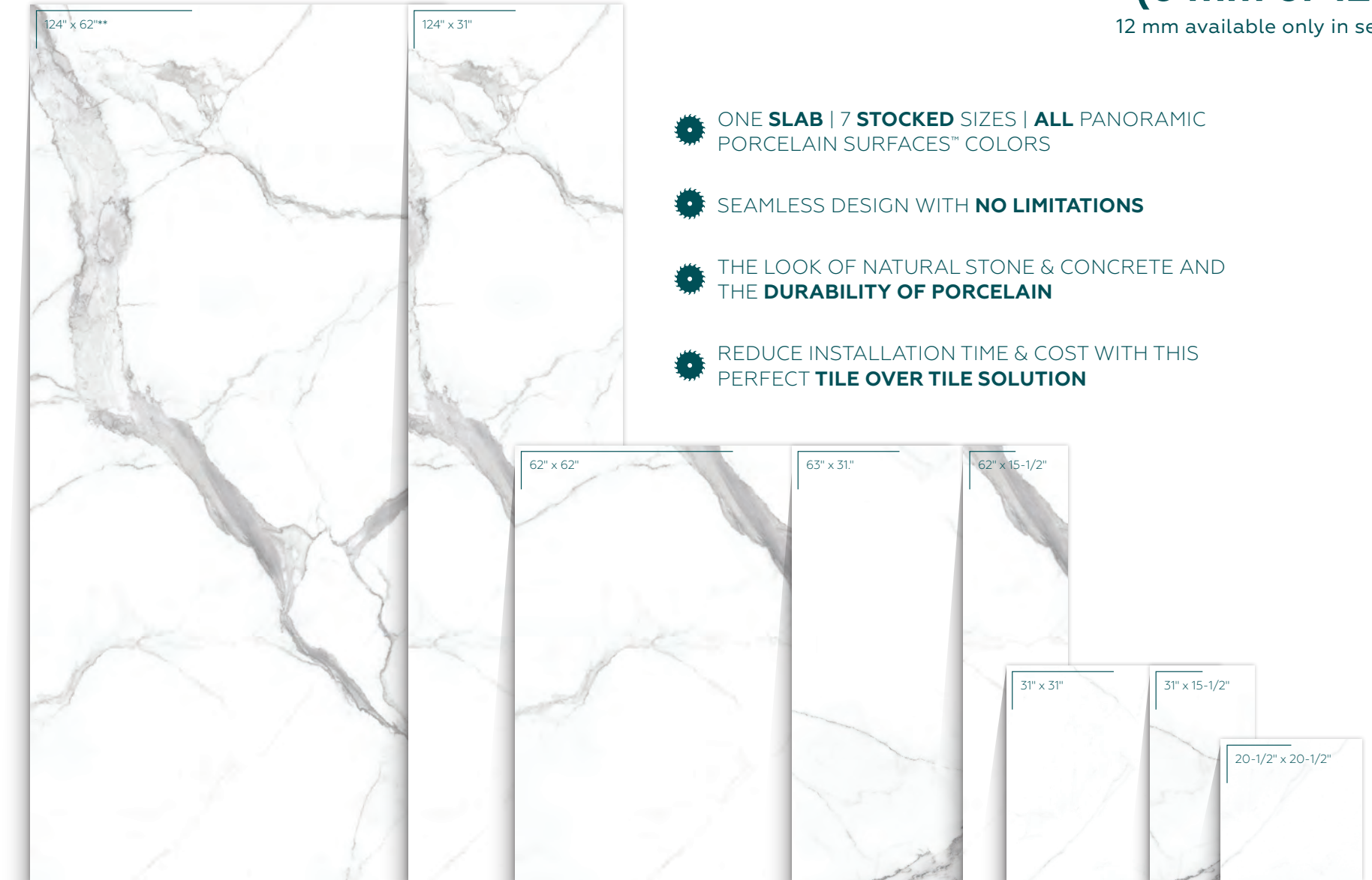
customquote@daltile.com



STANDARD SIZES AVAILABLE*:
(6 mm or 12 mm)

12 mm available only in select SKUs

- ONE **SLAB** | 7 **STOCKED** SIZES | **ALL** PANORAMIC PORCELAIN SURFACES™ COLORS
- SEAMLESS DESIGN WITH **NO LIMITATIONS**
- THE LOOK OF NATURAL STONE & CONCRETE AND THE **DURABILITY OF PORCELAIN**
- REDUCE INSTALLATION TIME & COST WITH THIS PERFECT **TILE OVER TILE SOLUTION**



* Custom sizes as well as modular sizes for pattern installations available. All requests subject to minimum order quantities & lead times. Contact us for details & pricing.
** 126" x 63" for 6 mm and 127" x 64" for 12 mm



FLOORS &
WALLS

SHOWER WALLS &
BATHROOMS

INTERIOR &
EXTERIOR COUNTERTOPS

DOORS &
FIREPLACES

EXTERIOR WALLS &
FAÇADES



SET THE STAGE FOR LUXURY

ELEMENTAL SELECTION

Elevate the ambiance of virtually any space with the sophisticated marble looks within Elemental Selection.

Create drama with striking vein patterns, or infuse tranquility with subtle marbling designs. Large format slabs create fewer grout lines for a more seamless appearance in both glossy and matte finishes. By combining the look of natural stone with the value and ease of porcelain, Elemental Selection reinvents classic décor.



OPAL TRAVERTINE CM84

ANTHRACITE/CM85

CALACATTA TOPAZ CM82

CALACATTA ARIES CM21

GYPSUM CALACATTA CM22

DIAMOND MINE CM12

STATUARIO CM03

CALACATTA CM04

MOONSTONE CM11

TITANIUM GREY CM13

JASPER GREY CM81

ONYX GALAXY CM14

MARFIL CM06

BLANC CM05

ELEMENTAL SELECTION:
OPAL TRAVERTINE



ELEMENTAL SELECTION:
ANTHRACITE



BOOK MATCH

(AVAILABLE IN 12 MM ONLY)



ELEMENTAL SELECTION:
CALACATTA TOPAZ

BOOK MATCH

(AVAILABLE IN 12 MM ONLY)

ELEMENTAL SELECTION:
CALACATTA ARIES



BOOK MATCH

(AVAILABLE IN 6MM & 12MM)

ELEMENTAL SELECTION:
GYPSUM CALACATTA



BOOK MATCH

(AVAILABLE IN 6MM & 12MM)



ELEMENTAL SELECTION:
DIAMOND MINE

DIAMOND MINE

BOOK

MATCH

(AVAILABLE IN 12 MM ONLY)

ELEMENTAL SELECTION:
STATUARIO



BOOK

MATCH



ELEMENTAL SELECTION:
CALACATTA

CALACATTA

BOOK

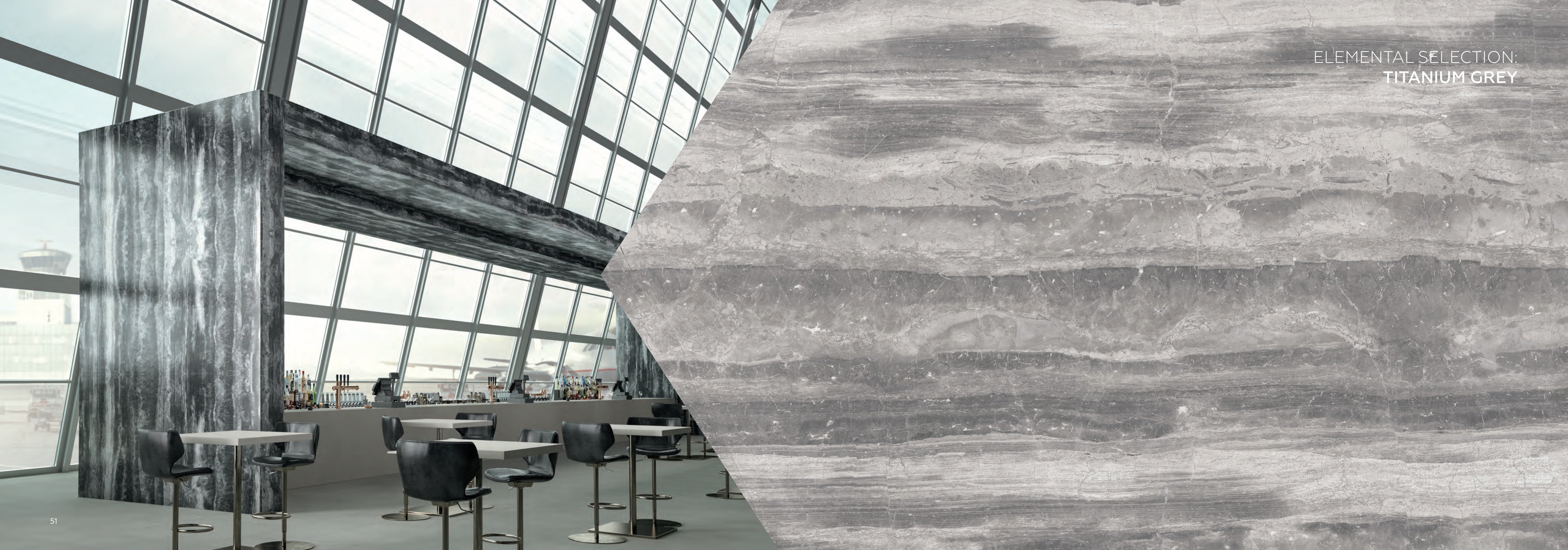
MATCH

(AVAILABLE IN 12 MM ONLY)

ELEMENTAL SELECTION:
MOONSTONE

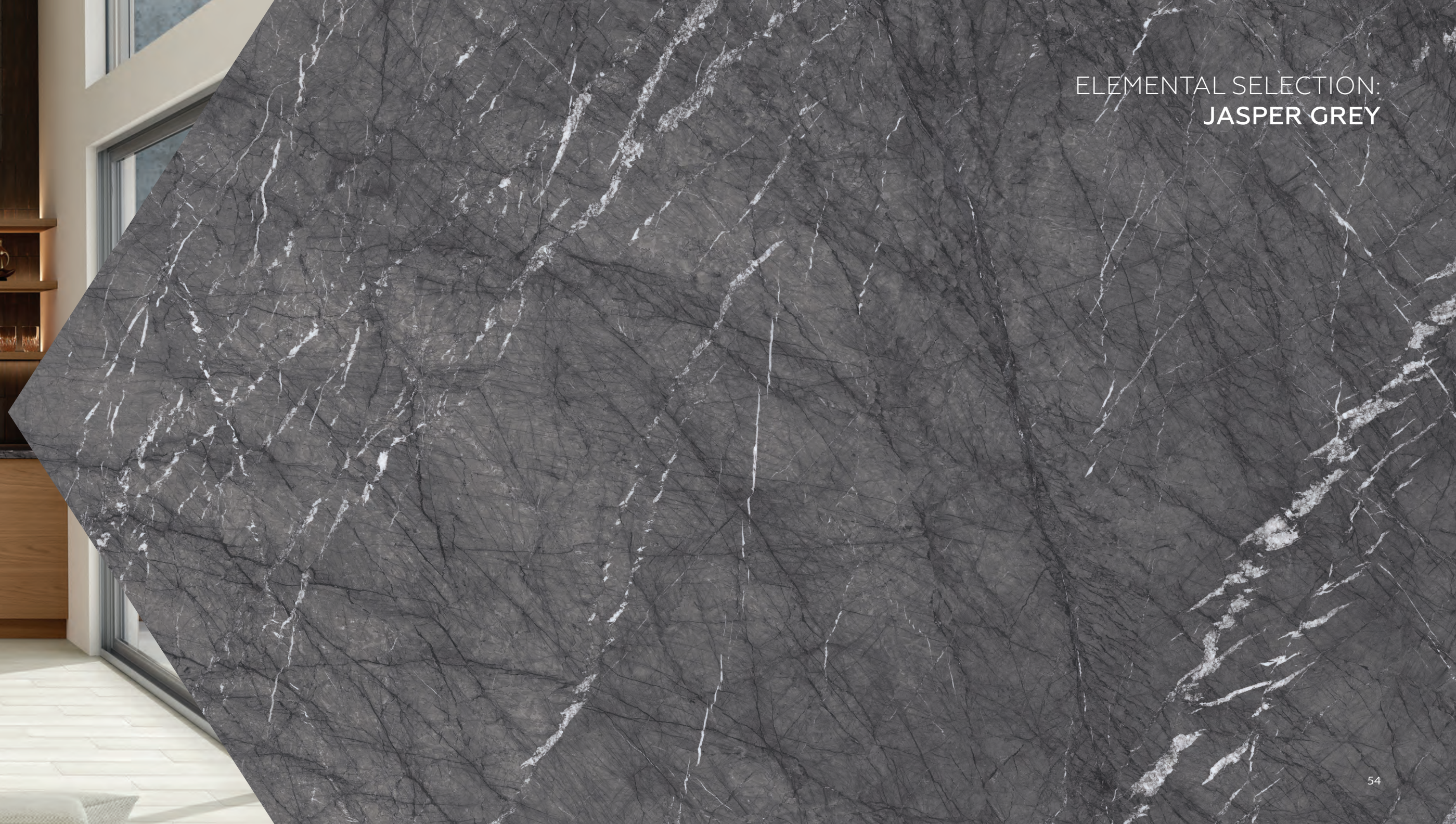


ELEMENTAL SELECTION:
TITANIUM GREY





ELEMENTAL SELECTION:
JASPER GREY



ELEMENTAL SELECTION:
ONYX GALAXY





ELEMENTAL SELECTION:
MARFIL



ELEMENTAL SELECTION:
BLANC
(AVAILABLE IN MATTE FINISH ONLY)

INSPIRING RUGGED ELEGANCE

INDUSTRIAL SELECTION

Capture a sense of strength and character with Industrial Selection.

Bring the urban chic feel of a downtown gallery or loft to virtually any space with the look of sleek concrete. Large format slabs provide seamless style to more closely mimic the essence of poured concrete while the smooth, matte finish adds a touch of sophistication. Infuse your space with the robust, stoic presence of concrete while enjoying the versatility of porcelain tile with Industrial Selection.

MANOR WHITE CM18

CINDER RAIL CM17

CHARRED NICKEL CM16

BELMONT TERRACE CM07

STONEWALL COAL CM09

HEARTH SMOKE CM08



INDUSTRIAL SELECTION:
MANOR WHITE
(AVAILABLE IN GLOSSY & MATTE FINISHES)



Axel + S
INTER

INDUSTRIAL SELECTION:
CINDER RAIL

INDUSTRIAL SELECTION:
CHARRED NICKEL





INDUSTRIAL SELECTION:
BELMONT TERRACE



INDUSTRIAL SELECTION:
STONEWALL COAL



INDUSTRIAL SELECTION:
HEARTH SMOKE

UNREFINED URBAN GLAMOUR

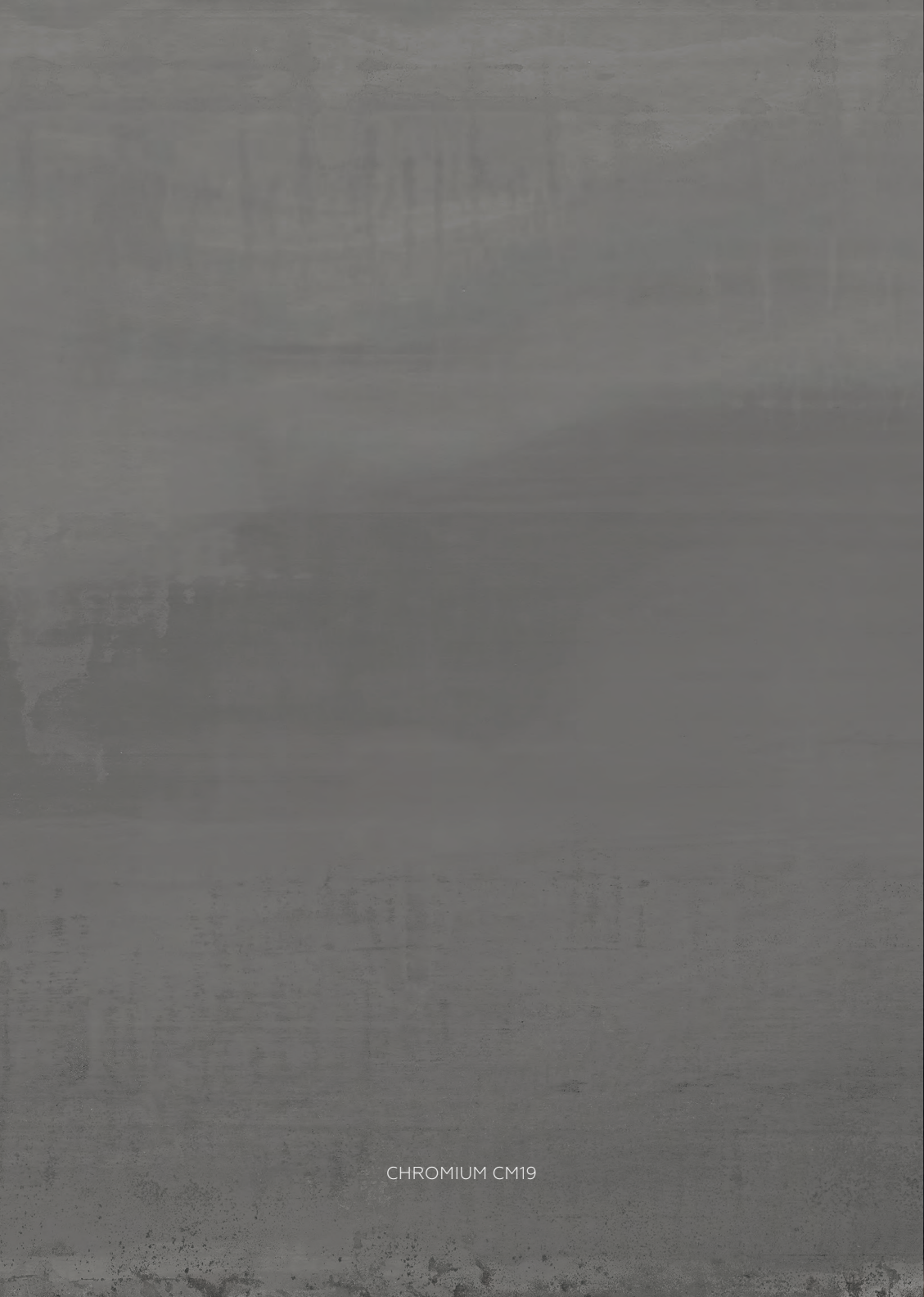
METALLIC SELECTION

Dazzle with the glitz and glam of the Metallic Selection.

Dripping with design and opulence, the reflective, iridescent metallic sheen encompassed on these sleek slabs takes fashion to new heights. The unrefined essence of concrete enhanced with mixed metals is provided on a scale only large format porcelain slabs can reach. Experience glimmering style with Metallic Selection.



BRASS CM86



CHROMIUM CM19



OBSIDIAN CM20

METALLIC SELECTION:
BRASS





METALLIC SELECTION:
CHROMIUM



METALLIC SELECTION:
OBSIDIAN



EXTERIOR APPLICATION

VENTILATED FAÇADE

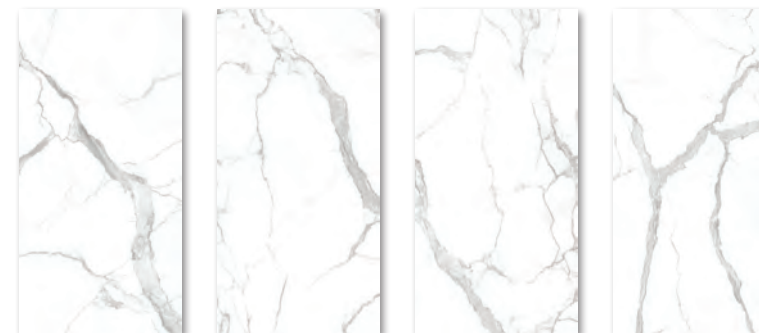




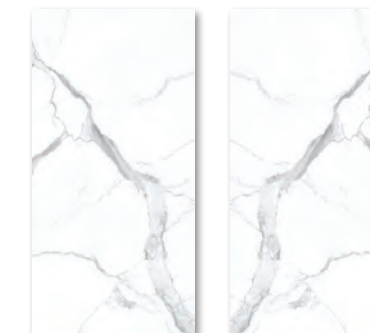
FACE VARIATIONS

ELEMENTAL SELECTION:

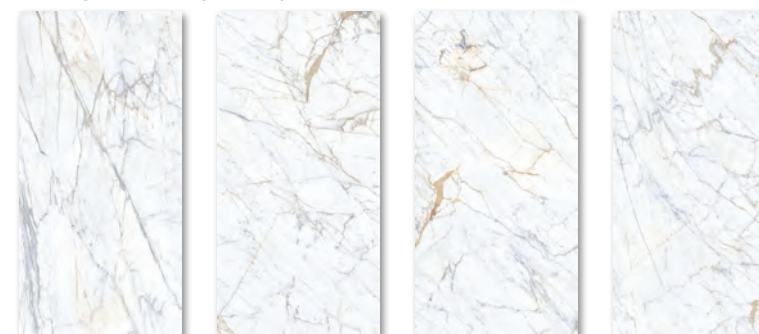
STATUARIO CM03 – 6MM



STATUARIO CM03 – 6MM & 12MM



DIAMOND MINE CM12 – 6MM



DIAMOND MINE CM12 – 12MM



GYPSUM CALACATTA CM22 – 6MM

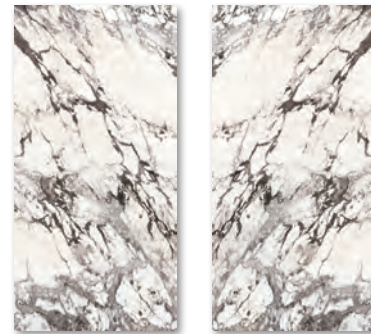


GYPSUM CALACATTA CM22 – 12MM



ELEMENTAL SELECTION:

CALACATTA ARIES CM21 – 6MM



CALACATTA ARIES CM21 – 12MM



CALACATTA CM04 – 6MM



CALACATTA CM04 – 12MM



BLANC CM05 – 6MM

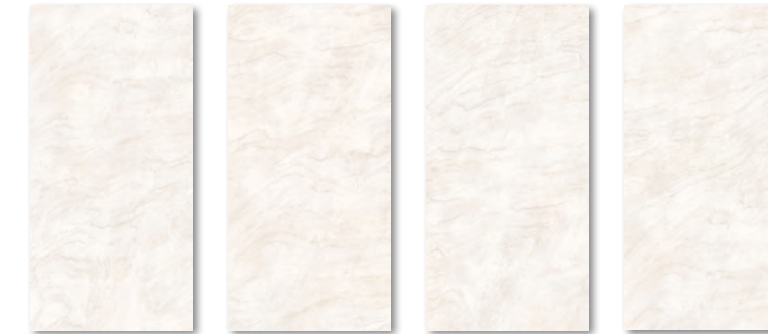


ELEMENTAL SELECTION:

MARFIL CM06 – 6MM



MOONSTONE CM11 – 6MM



TITANIUM GREY CM13 – 6MM

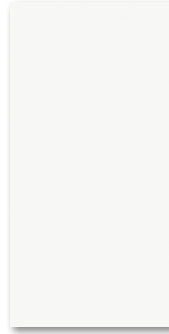


ONYX GALAXY CM14 – 6MM

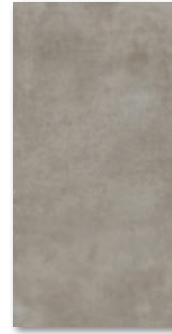


INDUSTRIAL SELECTION:

MANOR WHITE CM18 – 6MM & 12MM



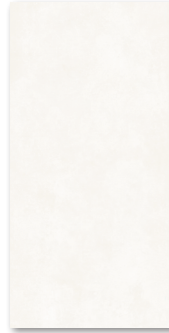
CINDER RAIL CM17 – 6MM



CHARRED NICKEL CM16 – 6MM



BELMONT TERRACE CM07 – 6MM



STONEWALL COAL CM09 – 12MM



HEARTH SMOKE CM08 – 12MM

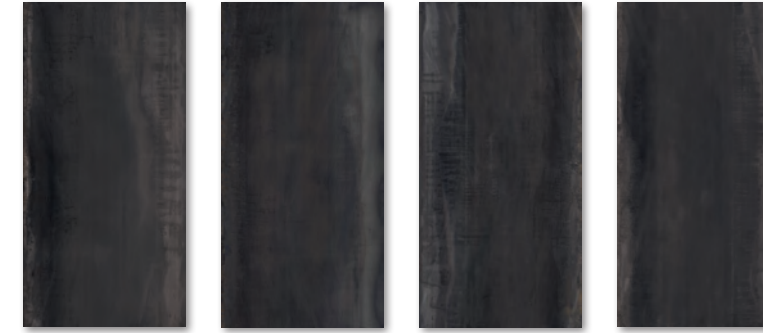


METALLIC SELECTION:

CHROMIUM CM19 – 6MM



OBSIDIAN CM20 – 6MM



BRASS CM86 – 6MM



OVERVIEW OF INSTALLATION INSTRUCTIONS

	CLADDING		FLOORING	
	INTERNAL	EXTERNAL	INTERNAL	EXTERNAL
MINIMUM CAULK/GROUT JOINT RECOMMENDATIONS	Minimum caulk/grout joint of 1/8" inch for areas away from direct sunlight. 3/16" inch minimum caulk expansion joints every 24 feet in each direction or less, depending on the installation system chosen.	Minimum caulk joint width of 3/16" inch for field joints and minimum 1/4" inch caulk expansion joints every 12 feet in each direction.	A minimum grout joint of 1/8"	N/A
	For areas in direct sunlight, please consult with setting material and tile manufacturer for recommendations based on the specific details of the project in question.	For darker colors in direct sunlight, field and expansion joint sizes may need to be increased, to allow for thermal expansion of the wall system. Please consult setting material and tile manufacturer for more details.		
LIPPAGE CONTROL SYSTEMS ARE REQUIRED	yes	yes	yes	N/A
SUBSTRATE FLATNESS	Maximum allowable variation in flatness is 1/8" in 10' feet and 1/16" in 2' from the required plane when measured from the high points in the surface, per ANSI A 108.19.			N/A
	This is for both interior and exterior applications and is applicable for all tile with a size greater than 15" in one or more dimensions.			
SETTING MATERIAL RECOMMENDATIONS	Please refer to ANSI A108.19 and setting materials manufacturers for the specific recommended products, for your projects requirements.			N/A

APPLICATIONS

	TARGET DCOF WET	SUITABLE
Dry & Level – Interior Floor	N/A	●
Wet & Level – Interior Floor	≥ 0.42	●*
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	●
Countertops	N/A	●
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltille.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

* Matte finish only.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

HANDLING & FABRICATION

HANDLING

When receiving Panoramic Porcelain Surfaces in quantity for warehousing stock or for a project, you will need a forklift with 8-foot forks or 8-foot fork extensions. The panels will come packed on an A-frame. When offloading or loading A-frames, an Abaco glass lifter attached to a boom on a forklift or indoor crane is recommended. You should never attempt to lift or move porcelain panels with granite clamps!

If unpacking Panoramic Porcelain Surfaces off an A-frame, place a soft jaw clamp over the panels at one end to secure prior to removing factory banding/strapping. Panoramic slabs of 6mm thick weigh 2.92 lbs. per sq. ft. and panels of 12mm thick weigh 5.84 lbs. per sq. ft. The most common moving procedure for 6mm is two people equipped with the ETM grip or the ETM slide. With 12mm, you need at least 3 people equipped with the ETM grip. Additional option for handling 12mm, is using the ETM double slide with pump cups. Identify destination and have protection in place prior to moving. It's a good idea to use corner protectors. Purpose-built tools are available for proper handling of Panoramic Porcelain Surfaces.

TRANSPORT

If picking up Panoramic Porcelain Surfaces at supplier's facility, use a suitably sized A-frame that offers cushioned/proper protection at all contact points. Use suitably sized vehicle to house and carry the A-frame. Always strap Panoramic slabs to the A-frame and the A-frame to the vehicle. Never clamp Panoramic slabs during transport, as damage/breakage may result. Contractors can pick up Panoramic Porcelain Surfaces slabs at Daltile facilities as well as transport up to 30 pieces of 6mm slabs to the job site using the ETM Trailer Frame. For job site and shop movement, the ETM Transporter can store up to 16 pieces of 6mm, or 8 pieces of 12mm slabs. A-Frame's are ideal for moving up to two slabs.

FABRICATION

The most important part of fabricating/cutting Panoramic Porcelain Surfaces is a flat, sturdy surface of supportive size. Tables designed for use with porcelain slabs are available.

For 6mm thickness, pre-application of 1/2" thick high-density foam backer board to support Panoramic Porcelain Surfaces is recommended prior to fabrication of sink holes or other at countertops, for rigidity and strength during installation. With the backer pre-installed, the fabricated countertops can be installed over 3/4" plywood set on top of cabinets.

For 12mm thickness, pre-application of 1/2" backerboard is recommended to support Panoramic Porcelain Surfaces over 3/4" plywood installed on cabinets. The backerboard provides additional support for aprons and turndown edges. Panoramic Porcelain Surfaces should not be applied directly to plywood attached to cabinets. 6mm and 12mm Panoramic slabs can be installed directly over existing natural stone and other solid surface tops.

Standard cutting is easiest done by the score-and-break process for straight cuts. "L", "U", and dropout cuts first must have a hole drilled through the porcelain slab with a 3/16" diameter or larger porcelain stoneware drill bit at the beginning and end of each cut line to relieve the pressure and prevent cracking. Mitering is commonly performed when fabricating Panoramic Porcelain Surfaces for countertop use. Acrylic or epoxy can be used to bond miters. Miters must be filled completely in order to protect finished edge from chipping or breaking. Use color kit and match accordingly. If bonding/filling mitered edge of veined material, mix one color to match veining and another color to match body. Fill accordingly.

HANDLING AND FABRICATION TOOLS

There are tools made specifically for Panoramic Porcelain Surfaces. Stone cutting blades do not work with porcelain slabs, however the good news is specific porcelain blades are available for relatively the same cost as stone cutting blades. Porcelain slab tools are also mobile and require very little, if any additional training to operate.

Contact your local Stone Center for recommended Tool Manufacturers suitable for Panoramic Porcelain Surfaces.

KEYS TO SUCCESSFUL INSTALLATION

Gauged Porcelain Slab installation requires particular attention to proper substrate preparation, grout joint sizing, trowel selection, and mortar coverage. It is critical that gauged porcelain slab be installed on a level substrate. Additionally, there must be at least 90% mortar contact, and the slab should be installed in accordance per the grout joint recommendations of each slab series. Refer to the published installation instructions prepared by your preferred manufacturer of setting materials for optimal tools and setting methods to achieve your desired result.

For proper bonding, LFT mortar must be used in installing tiles with a dimensional length greater than 15 inches on any one side of the tile. Back buttering slabs of this nature in the installation process will also assure proper coverage for bonding. For countertop applications using 6mm thickness, it's recommended to apply a backer board prior to cutting, mitering, etc.

SEAMING

Seams can be installed using the same process as natural stone tops, seam leveling tool, acrylic or epoxy for adherence. If backer board is used, make sure to bond backer board under porcelain at seam with proper adhesive.

INSTALLATION TIPS

- Installation of Daltile's Panoramic Porcelain Surfaces are basically the same as all other gauged porcelain slab, for floor and wall applications. Using proper tools is a must for a successful handling and installation.
- Important install notes
 - Substrate must be within 1/8" variance in 10 feet.
 - LFT mortar must be used with zipper notch type trowels.
 - Back butter all slab for complete mortar coverage.
 - Lippage control device system must be used on all joints.
 - De-airing with beating block on walls and walking on from center out on floors, to ensure complete mortar coverage.
- Handling
 - Pick materials up with grip and suction cup, minimum three people.
 - It's big, it's lightweight but it requires the right tools to handle it. Safety first.
 - Equipment to help with transport, handling, cutting, fabrication, delivery and installation.

VERTICAL WALL

- Handling both 6mm and 12mm
- Accessories required for handling slab
- Substrate and substrate preparation
- Strict flatness requirements related to 6mm
- Trowel-applied patching compound, waterproofing and crack isolation membranes
- Selecting right installation product or project

COUNTERTOP

- Handling both 6mm and 12mm
- Standard tooling
- Continuous rim porcelain blades only, not to exceed 5-inch diameter in hand-held tools. For larger shop saws, maximum 9-inch diameter – Grinding Discs (refining and trimming edges) – Silicon Carbide and Felt Polishing pads – Acrylic or Epoxy w/color matching pigments – Standard Core Drill bits
- Sinks – Under Mount, Over Mount and Flush
- Substrate required
- Seaming procedure for countertop
- Mitered Edge Profiling – good training and education very important

HOUSEHOLD CLEANERS RECOMMENDED FOR DAILY USE:

- Windex
- Baking Soda
- Ammonia
- Lysol Gel with Magic Eraser for tough stains
- Brasso gel with Magic Eraser for metallic stains or marks
- All PH neutral cleaners

Panoramic is resistant to heat, stains, scratches and household chemicals.

FOR MORE IN DEPTH INFORMATION, PLEASE REFER TO OUR FULL PANORAMIC TECHNICAL GUIDELINE.

PHOTOGRAPHY INDEX

PAGES 3-4 (LEFT TO RIGHT)

Calacatta Aries matte on the floor and on the wall.
Stonewall Coal matte on the floor, wall and countertop.
Charred Nickel matte on the floor and wall.

PAGES 5-6 (LEFT TO RIGHT)

Cinder Rail matte on the floor and wall.
Manor White matte on countertop and firepit.

PAGE 8

Statuario matte on the floor and Statuario glossy on the wall
and countertop.

PAGES 9-10 (LEFT TO RIGHT)

Onyx Galaxy matte on the wall and countertop. Cinder Rail
matte on the floor.
Charred Nickel matte on the floor and wall.

PAGES 13-14 (LEFT TO RIGHT)

Stonewall Coal matte on the floor and wall.
Cinder Rail matte on the floor and wall.
Gypsum Calacatta on the floor and wall.
Brass on the walls.
Chromium matte on the exterior wall.

PAGE 15-16 (LEFT TO RIGHT)

Moonstone matte on the floor and countertop.
Gypsum Calacatta on the wall and Obsidian on the floor.

PAGE 61-62 (LEFT TO RIGHT)

Hearth Smoke matte on the floor, wall and countertop.
Cinder Rail matte on the floor and wall.

PAGE 77-78 (LEFT TO RIGHT)

Obsidian on the wall and counter top, Chromium on the floor.
Chromium on the floor and wall, Gypsum Calacatta on the
floor.



 daltile®