

# 24

GENERAL CATALOG



# WHO WE ARE

Welcome to AXIMER CERAMIC, a beacon of excellence in the world of ceramic craftsmanship. With a prestigious collaboration with some of the world's most renowned ceramic suppliers, especially in Italy, we stand at the forefront of quality and innovation. Our reputation is built on reliability and a profound commitment to excellence. AXIMER is not just a name; it's a well-established enterprise synonymous with high-quality porcelain tiles and slabs that boast luxurious layouts, unique designs, and trendsetting aesthetics.

At AXIMER, we pride ourselves on our ability to cater to large-scale projects with precision and elegance. Recognized as an innovative partner in the industry, we have cultivated a wide reputation for our professional courtesy and uncompromising quality of products. Since our inception, AXIMER CERAMIC has continuously elevated our capabilities, embracing cutting-edge

knowledge and skills in delivering top-tier ceramic materials and furniture, including sophisticated tiles and porcelain slabs. Our expertise extends beyond mere provision; we specialize in supplying items for opulent palaces, as well as residential and commercial complexes, including malls and towers. Our proactive stance in the realm of building material innovation, coupled with our prowess in creative production, spatial design, graphics, and supervision, sets us apart in the industry. At AXIMER, we leverage a technology-led approach, keeping pace with global trends to partake in practical and collaborative projects.

Embrace the AXIMER experience, where quality meets innovation, and design transcends the ordinary. Join us in our journey to redefine spaces with elegance, durability, and a touch of sophistication.



## **Our Vision:**

To exceed Client's dreams and market expectations.

## **Our Mission:**

To be an icon in tiles creativity and build excellence.

## **Our Values:**

Uniqueness, Excellence, Innovation, Functionality,  
Teamwork, Professionalism.



# Why Choose Us

**Unparalleled Collection:** Dive into a world where every slab piece is a testament to artistry and craftsmanship. Our vast collection ensures that you find precisely what you're looking for. **Expertise:** Our team consists of seasoned professionals who live and breathe ceramics. Their expertise ensures that every piece we offer meets the highest standards of quality and design.

**Customization:** We don't just sell ceramics; we craft dreams. Our personalized design service guarantees that your space reflects your style, down to the last tile.

**Client-Centric Approach:** At Aximer, you come first. From understanding your needs to delivering on our promises, we ensure a seamless and delightful experience.



## Commitment

Aximer works with the world's most prestigious Factories in order to garner the best excerpt. Because its effort is to regenerate the old designs, breathing new spirit to improve the taste-experience of the customers, and incarnate a new embodiment of the world. The very act of the company, providing quality product documentation, assures all of you that Aximer's words and deeds are the one.

# Elevating Standards, Crafting Excellence

In an epoch where global standards benchmark quality, Aximer endeavors to transcend. Anchored by our avant-garde quality control lab, each ceramic piece evolves into a paragon of perfection. Our alliance with the standards organization amplifies our commitment. At Aximer, we don't chase standards; we generate them.



12/10271

CE marking is an administrative marking that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area.



Modena Centro Prove s.r.l. è un laboratorio di prova che opera nel settore delle analisi chimiche e dei servizi tecnologici.



Laboratorio Cerámico Sebastián Carpi was the first national laboratory tests to be created for the evaluation of the quality of ceramic tiles.

EN 14411

European standard that defines terms and specifications of ceramic tiles



ISO 9001

ISO 9001 is the international standard for quality management system



## Capturing Essence, Crafting Elegance

In the world of interior design, ceramics play a pivotal role in shaping the character of spaces. At Aximer, we pride ourselves on being the vanguard of this artistic pursuit. With years of experience and an unwavering commitment to quality, we have positioned ourselves as experts in providing decorative ceramics. Our strength lies not just in our expertise, but in the vastness of our collection. We understand the diverse needs of our clients and thus, have curated the most comprehensive collection of decorative ceramics. From the minimalist to the ornate, from the traditional to the avant-garde, our range encapsulates the entirety of ceramic artistry.



- 001 Emerald Wood
- 002 Warm Wood
- 003 Warm Wood
- 004 Emerald Wood
- 005 Wood Grain
- 006 Roman ash
- 007 Pale high grey
- 008 Royal ash
- 009 Olive
- 010 Moonlight Silver
- 011 Luxury Golden
- 012 Light

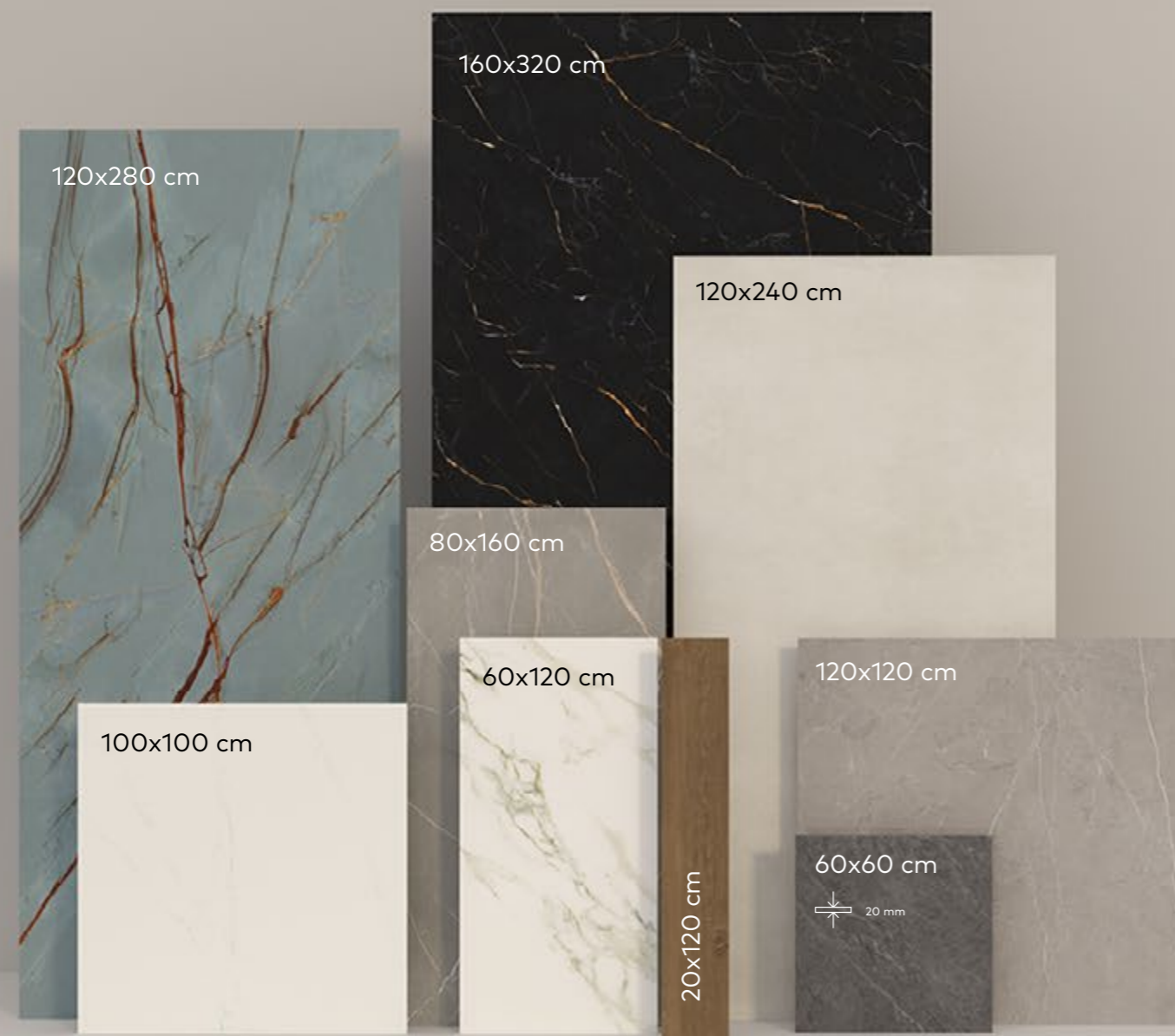
# Crafting Iconic Facades & Beyond

In the architectural sonnet, a facade is the chorus. Aximer ceramics are not just crafted for beauty but curated for an everlasting imprint. From bustling commercial hubs to serene hospitals, our ceramics are a symphony of design and durability.





# Variety of Sizes



## To Create an Architectural Dream

Aximer celebrates the uniqueness of every architectural narrative. Our porcelain ceramics span a breathtaking spectrum of sizes, ensuring every design ambition materializes. With Aximer, embrace boundless possibilities.

# The Gold Standard in Diverse Ceramic Portfolios

## Finishing

Dive deep into Aximer's world where every tactile surface echoes luxury. Whether it's the muted grace of matte, the radiant luster of polished, or the intricate allure of relief – our ceramics elevate sensory experiences.

|  |     |                 |
|--|-----|-----------------|
|  | P   | Polished        |
|  | GL  | Glossy Ink      |
|  | SP  | Semi Polished   |
|  | M/N | Matte / Natural |

## Usage

Aximer's ceramic tapestry is not just vast but resplendent in its diversity, showcasing our mastery. Whether it's the commercial core, rejuvenated office spaces, therapeutic hospitals, secure banks, luxurious hotels, or recreational arenas – our footprint is ubiquitous, echoing excellence. At Aximer, we don't just shape projects; we create experiences, solidifying our position as the ceramic connoisseur.





PRODUCTS

The image features two pieces of grey, textured stone, possibly marble, set against a plain white background. One piece is positioned vertically on the left, while the other lies horizontally on the right. The word "MARBLE" is superimposed across the center of the image in a large, bold, grey, sans-serif font. The stone has a rough, natural appearance with some visible cracks and variations in tone.

**MARBLE**



Wall: Exotic Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm



## Exotic

Exotic is inspired by the Brazilian Patagonia Green Quartzite which is an exquisite natural stone. This luxurious exotic quartz unveils a mixture of vibrant color palettes and impressive lush greens, adorned with bold veining that intertwines to create an intense canvas enriched with earthy shades of amber and gold. Step into the realm of luxury with Exotic and its stunning bookmatch pattern.



Wall: Exotic Polished and Polaris Natural — 120x280 cm  
Floor: Polaris Natural — 120x280 cm



# Exotic



Note that minor deviations could be possible at the faces' intersections.  
Actual product colors may slightly vary from the images shown.



120x280 cm  
IM2095L-P  
Polished | Book Match



Wall: Onyx Avorio Polished — 120x280 cm  
Floor: Onyx Avorio Polished — 120x280 cm

## Onyx Avorio

Onyx Avorio is a unique and very elegant marble with a wonderful selection of white and gold hues along with distinctive veining on an ivory background. These elements have been carefully drawn together to create cloudy, transparent effects and natural texture which draws the eye and exudes a dignified personality. The simple beauty of neutral marble tones and milky veining create the essence of pairing with a wide variety of styles and evoking an exquisite three-dimensional impression.







Floor: Onyx Avorio Polished — 120x280 cm

# Onyx Avorio

Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
IM2305L-P  
Polished | 5 Faces

## Pacific

Pacific is the realm of calmness, evokes one of the finest Italian pure white marble with the name of Sivec white. Its clear and white homogenous character make it to be one of the best luxurious marbles, shades of white and shady gray subtle veins make it an ideal for architectural applications.



Wall: Pacific Polished — 120x280 cm  
Floor: Pacific Polished — 120x280 cm





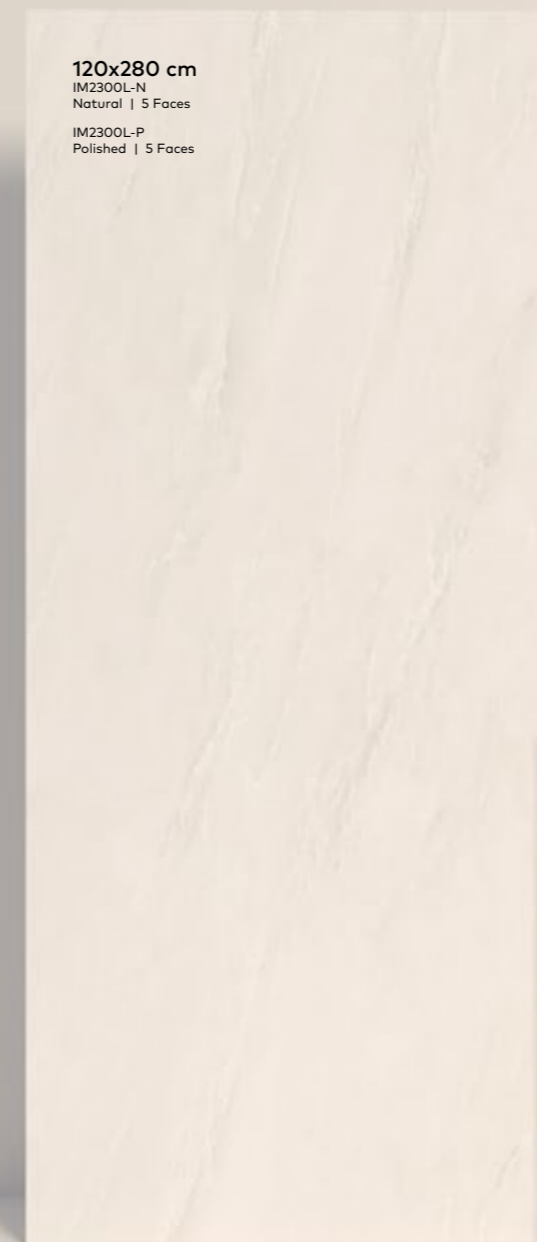
Wall: Pacific Natural — 120x280 cm  
 Floor: Pacific Natural — 120x280 cm

Pacific



Available other sizes upon demand. For more detail  
 please contact sales department.

**120x280 cm**  
 IM2300L-N  
 Natural | 5 Faces  
 IM2300L-P  
 Polished | 5 Faces



**60x120 cm**  
 IM2300R-M  
 Matte | 10 Faces  
 IM2300R-P  
 Polished | 10 Faces





## Blue Roma

Blue Roma is another quartzite treasure from northeast Brazil. Its spectacular blueish-grey background with criss-crossed and graceful copper veins represents an enriched surface. The complemented contrast of the vein and background depicts an avant-garde style in your spaces. With the amazing essence of the Blue Roma texture, which represents a vibrant blue and copper mixture, you will experience a luxurious and elegance.

Wall: Blue Roma and Perla Venata Polished — 120x280 cm  
Floor: Blue Roma Natural — 160x320 cm

Wash Basin: Blue Roma Polished

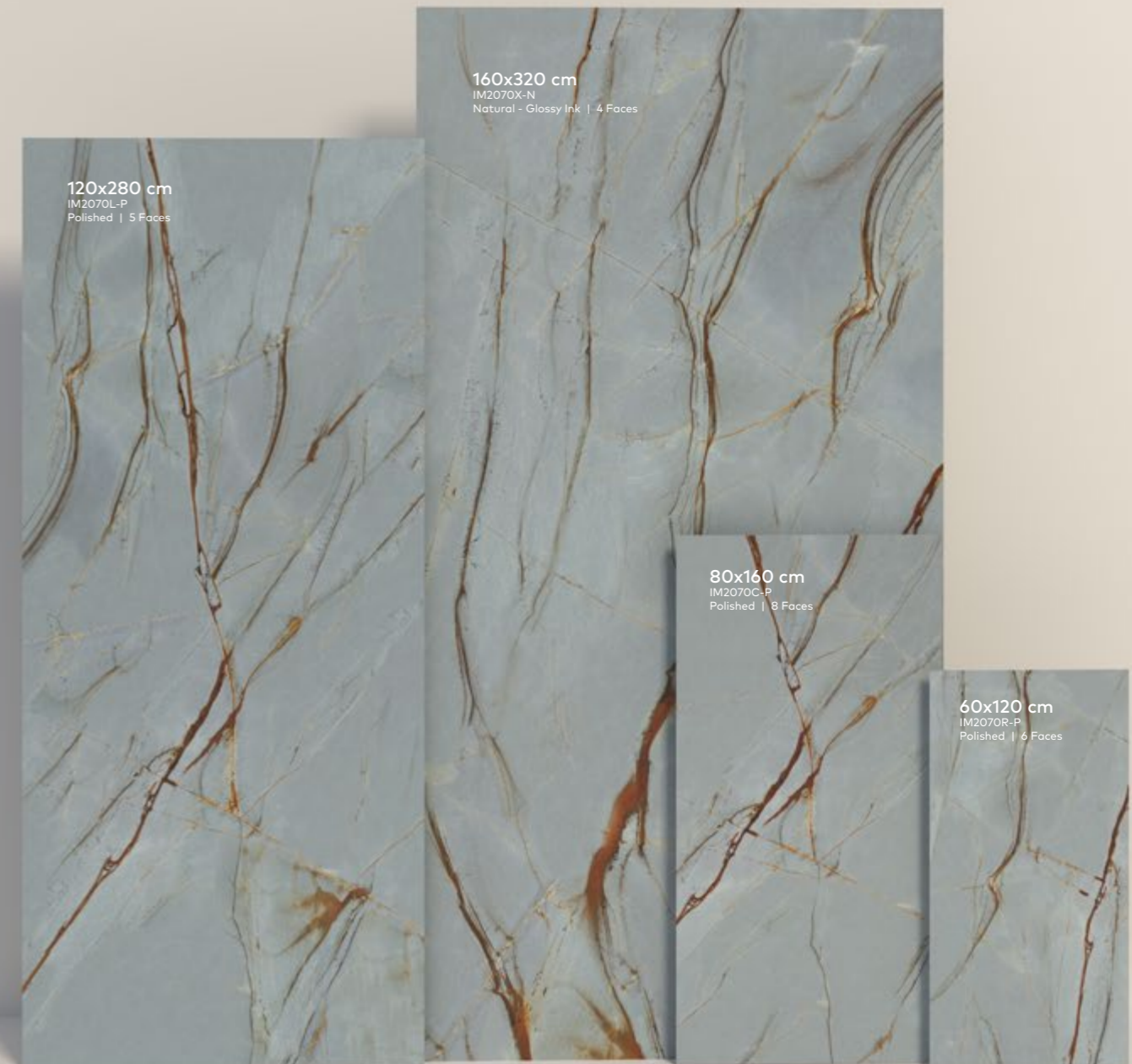


Wall: Blue Roma Polished — 120x280 cm  
 Floor: Maxiwood Walnut Relief — 20x120 cm

# Blue Roma



Available other sizes upon demand. For more detail  
 please contact sales department.





Wall: Ocean Blue Polished — 120x280 cm  
Floor: Polaris Polished — 120x280 cm

## Ocean Blue

Ocean Blue has a unique shade of blue that is complemented by special orange highlights, creating an unforgettable and inspiring combination. Its chromatic depth evokes the enchanting waves and swirling shades of the sea. Explore its intricate details and mesmerizing colors from every angle, as the blue large slabs are guaranteed to elevate any surface, imparting a luxurious aesthetic to the objects or spaces you cherish.





Wall: Ocean Blue Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm

# Ocean Blue



Note that minor deviations could be possible at the faces' intersections.  
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## Perla Venata

Perla Venata a Brazilian quartzite, embodies the essence of elegance in its simplicity, magnifying any space it adorns. What distinguishes this quartzite isn't solely the conspicuous golden veins, but also the unique crystallization effects it exhibits. These exceptional attributes contribute to the unique textures that envelop the stone, resulting in a profound sense of depth, even in its natural finish state.



Countertop and Backsplash: Perla Venata Polished — 120x280 cm  
 Floor: Perla Venata Polished — 120x280 cm





Wall: Perla Venata Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm  
Wash Basin: Perla Venata Polished

# Perla Venata

Available other sizes upon demand. For more detail  
please contact sales department.





## Miracle Green

Miracle Green is a stunning porcelain masterpiece that draws inspiration from the timeless elegance of Avocado Brazilian quartzite. Its rich and vibrant green backdrop, adorned with intricate white veins that gracefully traverse the surface, imbues a feeling of opulence and sophistication. These natural patterns exude both serenity and power, creating a sense of tranquility and authority. The captivating color palette of Miracle Green captures the very essence of nature, infusing your surroundings with a revitalizing and refreshing atmosphere.



Wall: Miracle Green Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm  
Wash Basin: Miracle Green Polished and Polaris Natural

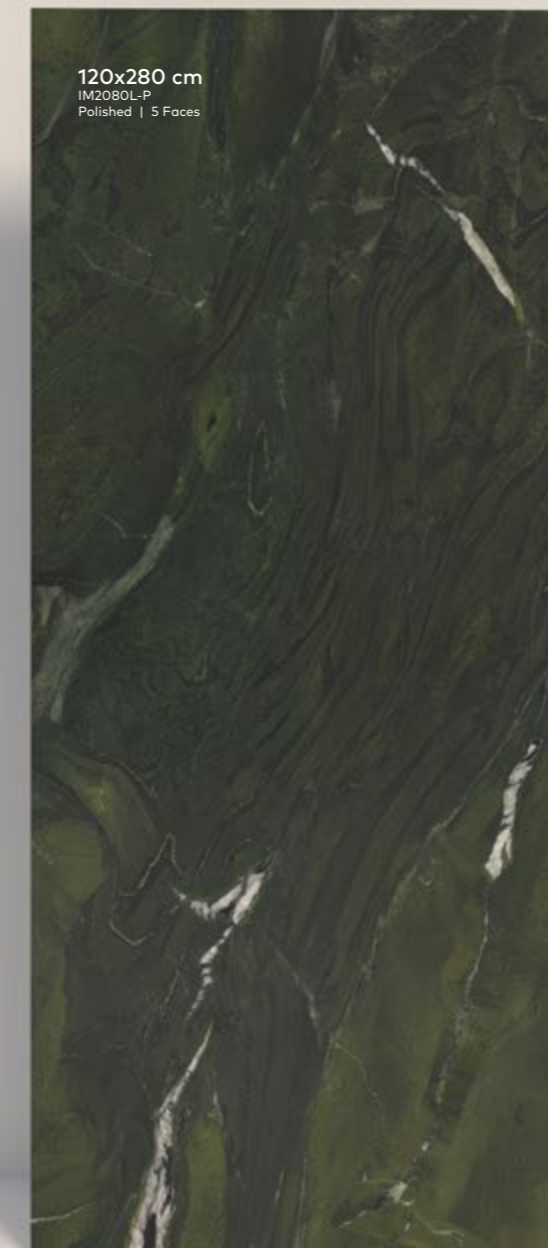


Wall: Miracle Green Polished — 120x280 cm  
Floor: Polaris and Miracle Green Polished — 120x280 cm

# Miracle Green



Available other sizes upon demand. For more detail  
please contact sales department.

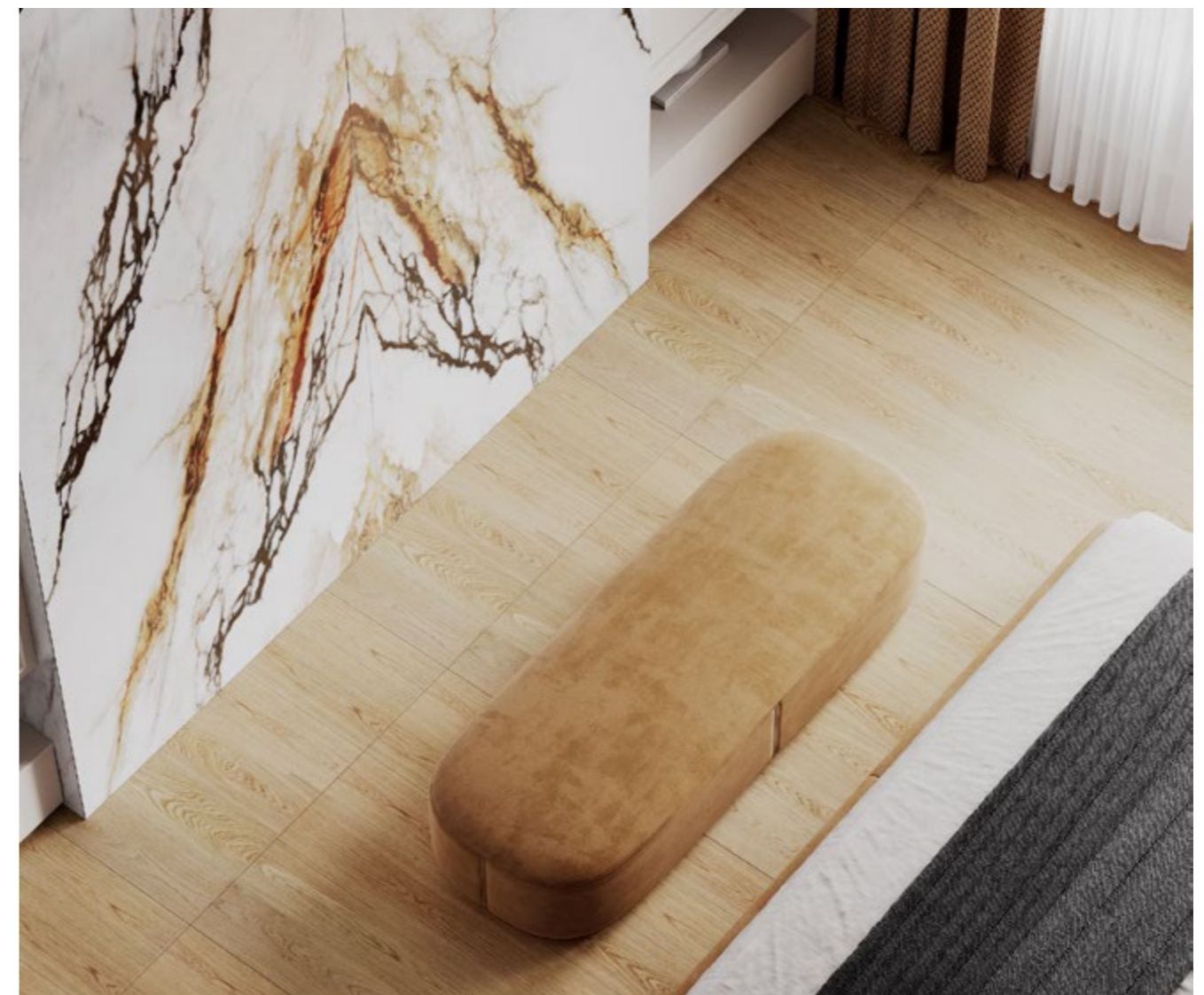


## Vena Vecchia

Vena Vecchia is a remarkable natural stone design that boasts an elegant ivory appearance complemented by a delicate combination of caramel and merlot veins. golden flecks interspersed throughout the stone add a touch of glamour, making this marble a timeless classic with high decorative value. This exquisite marble is sourced from the Carrara region of Italy. varying intensities of grey and rusty gold veins beautifully wind their way across a beige backdrop, contributing to the unrivaled character of each slab. The result is a stunning and inimitable design that is sure to make a statement in any space.



Wall: Vena Vecchia Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm





Wall: Vena Vecchia Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm

# Vena Vecchia



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120x280 cm  
IMZ095L-P  
Polished | Book Match

## Aurora

Aurora was born by extraordinary details from amalgamating luxury green color, highlighting the golden veins, to lighting up golden shades of the material. To design and develop Aurora an exceptional amount of work has gone into researching and technically perfecting the final product. The outcome is a luxurious and glamorous masterpiece in each and every slab, a perfect choice to enrich interior designs.



Wall: Aurora Polished — 120x280 cm





Wall: Aurora Polished — 120x280 cm

# Aurora



Available other sizes upon demand. For more detail  
please contact sales department.





## Polaris

Polaris is a new approach to modernity. Polaris has a pure white and homogeneous texture and exceptional charming linear black veins that brings minimal and modern concepts to your settings. Black and white dualism is the heart of Polaris. It sums up the purity and beauty of natural materials that creates functional and modern environments in multi-faced designs.



Wall: Polaris Natural — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm



Wall: Polaris Polished — 120x280 cm  
Floor: Polaris Polished — 120x280 cm



# Polaris



Available other sizes upon demand. For more detail  
please contact sales department.





Wall: Mystic Black Polished — 120x280 cm  
Floor: Polaris Polished — 120x280 cm



## Mystic Black

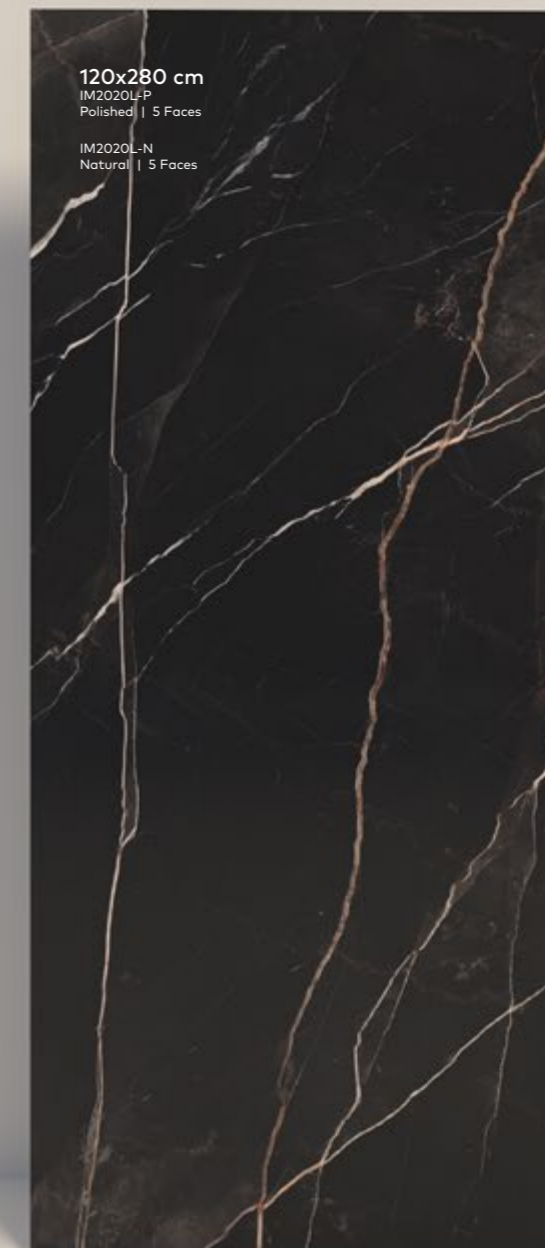
Mystic Black is an artistic marble with unique white and golden longitudinal delicate veins and deep black background. The contrast of its background and veins accompanied with moderate shades produce a refine and irreplaceable material in the world of modern luxury.



Floor: Mystic Black Polished — 120x280 cm

# Mystic Black

Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
IM2020L-P  
Polished | 5 Faces  
IM2020L-N  
Natural | 5 Faces



## Invisible Gold

Invisible Gold is characterized by its white background and intertwined light golden and grey veins. Warp and weft veining creates a perfect structure which brings elegance to your spaces. This design in its polished surface appears as a jewel, in a brilliant texture which let you dress up and furnish spaces with a total look that has astonishing and glorious effect.



Wall & Counter: Invisible Gold Polished — 120x280 cm  
 Floor: Maxiwood Silver Relief — 20x120 cm



Counter: Invisible Gold Polished — 120x280 cm  
Floor: Maxiwood Silver Relief — 20x120 cm

# Invisible Gold

Available other sizes upon demand. For more detail  
please contact sales department.

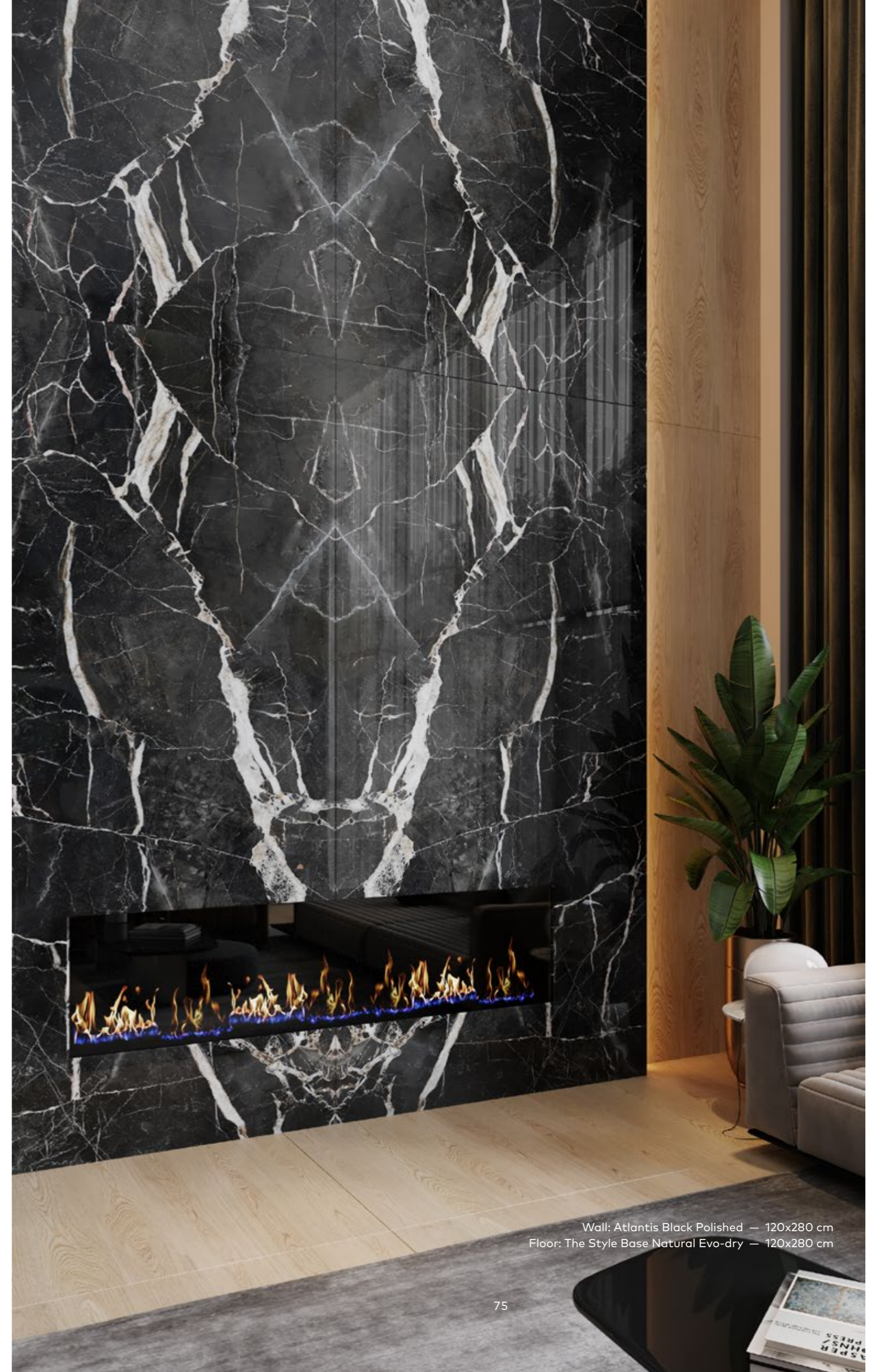


120x280 cm  
IM2040L-P  
Polished | 5 Faces



## Atlantis Black

Atlantis Black with a strong personality will add a great accent to stylish and elegant projects. Its saturated nature, sharp and vivid veins and dense background provide a visually charismatic pattern which makes this product a great choice for designers with different tastes.



Wall: Atlantis Black Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm

Wall: Atlantis Black Polished — 120x280 cm  
Floor: The Style Base Natural Evo-dry — 120x280 cm



# Atlantis Black



Note that minor deviations could be possible at the faces' intersections.  
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Wall: Fantastic Grey Polished — 120x280 cm  
Floor: Polaris Natural — 120x280 cm

## Fantastic Grey

Fantastic grey features a mid-tone grey background with thin dark brown and dark grey veins. Although Fantastic Grey contains lots of details and colors, it yet keeps its grey characteristics. This marble conveys both a touch of elegance and robustness. It is an ideal choice for contemporary and modern interiors. Spaces designed by Fantastic Grey can tell stories with their unique and unforgettable details.





Wall: Fantastic Grey Polished — 120x280 cm  
Floor: Invisible Gold Polished — 120x280 cm



# Fantastic Grey

Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
IM2045L-P  
Polished, 1-5 Faces



Wall: Panda Polished — 120x280 cm  
Floor: Polaris Natural — 120x280 cm

## Panda

Panda reflects the art of nature, a white marble with black and green shades moving across its surface. Its eye-catching black veins motivate senses by inviting the viewers to feel its sophisticated chromatic intensity. Black and white combination along with green shades and inclusions in different faces makes a careful balanced pattern and veining that provides a strong personality to the interiors.



Wall: Panda Polished — 120x280 cm  
Floor: Natural Concrete Ash — 120x280 cm

# Panda



Note that minor deviations could be possible at the faces' intersections.  
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Wall: Liquid Marble Polished — 120x280 cm  
Floor: Liquid Marble Polished — 120x280 cm



## Liquid Marble

Liquid Marble represents an artwork that inspires a sense of naturality. White surface with precise details, blended golden and grey textured patterns that fluctuate, constantly evolve, and continuously change, inbreed liquid character. Liquid Marble is dedicated to high-end decoration with harmony and creativity adding a unique and subtle character to your interior design.



Wall: Liquid Marble Polished — 120x280 cm  
Floor: Calacatta Silva Natural — 120x280 cm

# Liquid Marble

Note that minor deviations could be possible at the faces' intersections.  
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120x280 cm  
IM2035L-P  
Polished | Book Match



## Grace

Grace with its delicate intermittent and fragile white veins in a completely simple gray background, give a modern and luxurious look to your environment. The sophisticated grey background color is run through with fine, candid grains that add a harmonious visual effect and the possibility for transversal use, in terms of both taste and application. An unmistakable style, superb production and high performance make it an irreplaceable choice for prestigious architectural projects and interior design, whether residential, commercial or public.





Floor: Grace Polished — 120x280 cm  
Wall: Grace Polished — 120x280 cm

# Grace



Available other sizes upon demand. For more detail  
please contact sales department.

120x280 cm  
FGPB-LS025  
Polished | 5 Faces

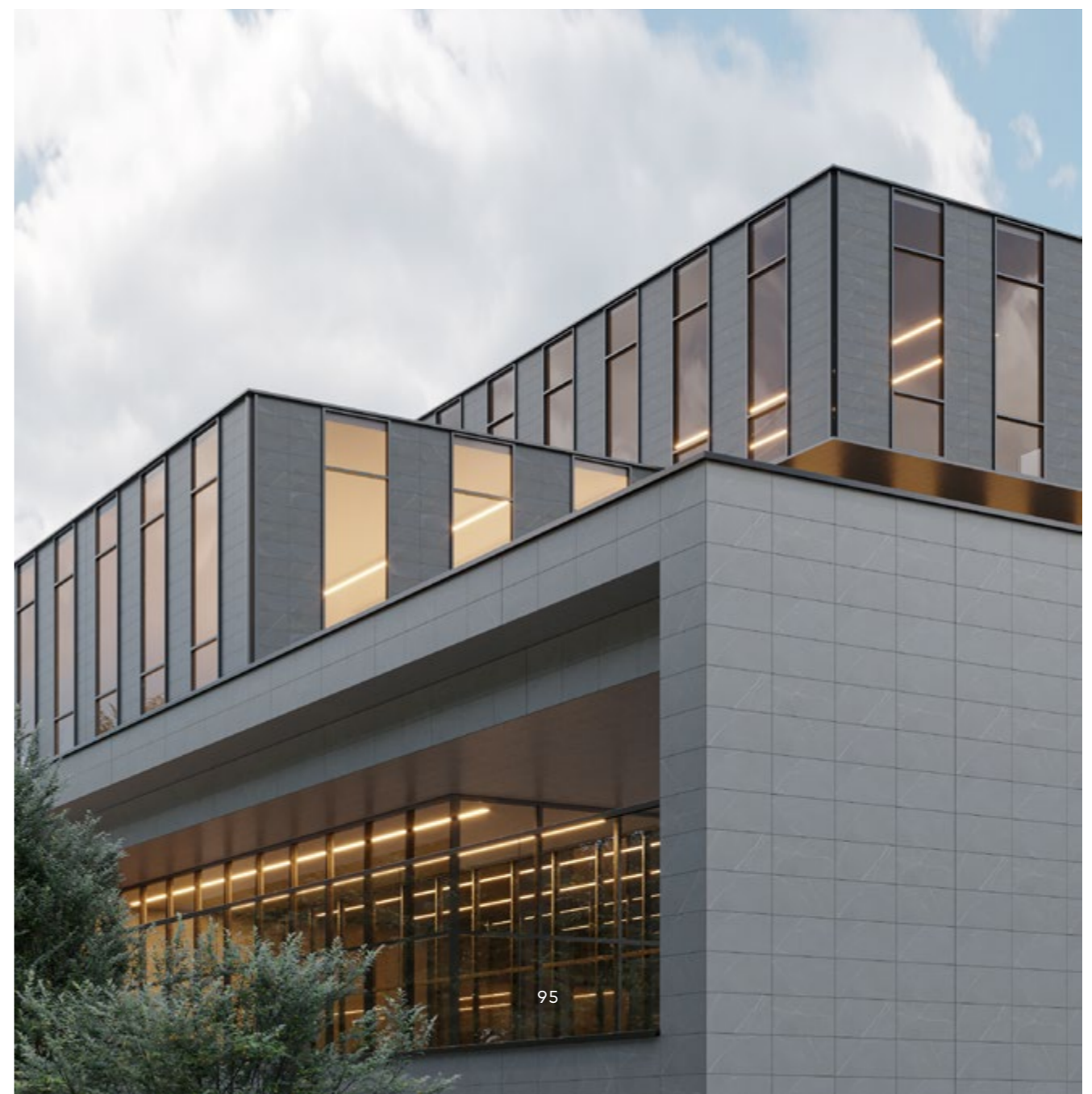
120x120 cm  
FGPB-ES025  
Polished | 10 Faces

## Pantheon Marble

Pantheon Marble has an outstanding styling. Its grey surface embraces pure white veining in detailed smooth base texture with disperse splashes and slight movements of taupe veins that increases the beauty and enhances the grace of Pantheon Marble's design. Pantheon Marble's minimal and modern style gives you the chance of experiencing elegance and luminosity.



Facade: Pantheon Marble Light Grey Matte — 60x120 cm







Floor: Pantheon Light Grey Matte — 100x100 cm

# Pantheon Marble



Available other sizes upon demand. For more detail  
please contact sales department.





Wall: Calacatta Gold and Saint Laurent Polished — 120x280 cm  
Floor: Calacatta Gold Polished — 100x100 cm



## Calacatta Gold

Calacatta Gold marble tile is a treat to the eyes. Its creamy white background is gently infused with deep grey veining and the occasional ribbons of gold demonstrate a striking piece. The marble's natural and unlimited variation creates a luxurious artwork in every piece.



Wall: Calacatta Gold Polished — 120x280 cm  
 Floor: Natural Concrete Light Grey Soft Matte — 120x280 cm  
 Wash Basin: Calacatta Gold Polished / Mirror

# Calacatta Gold

Available other sizes upon demand. For more detail  
 please contact sales department.



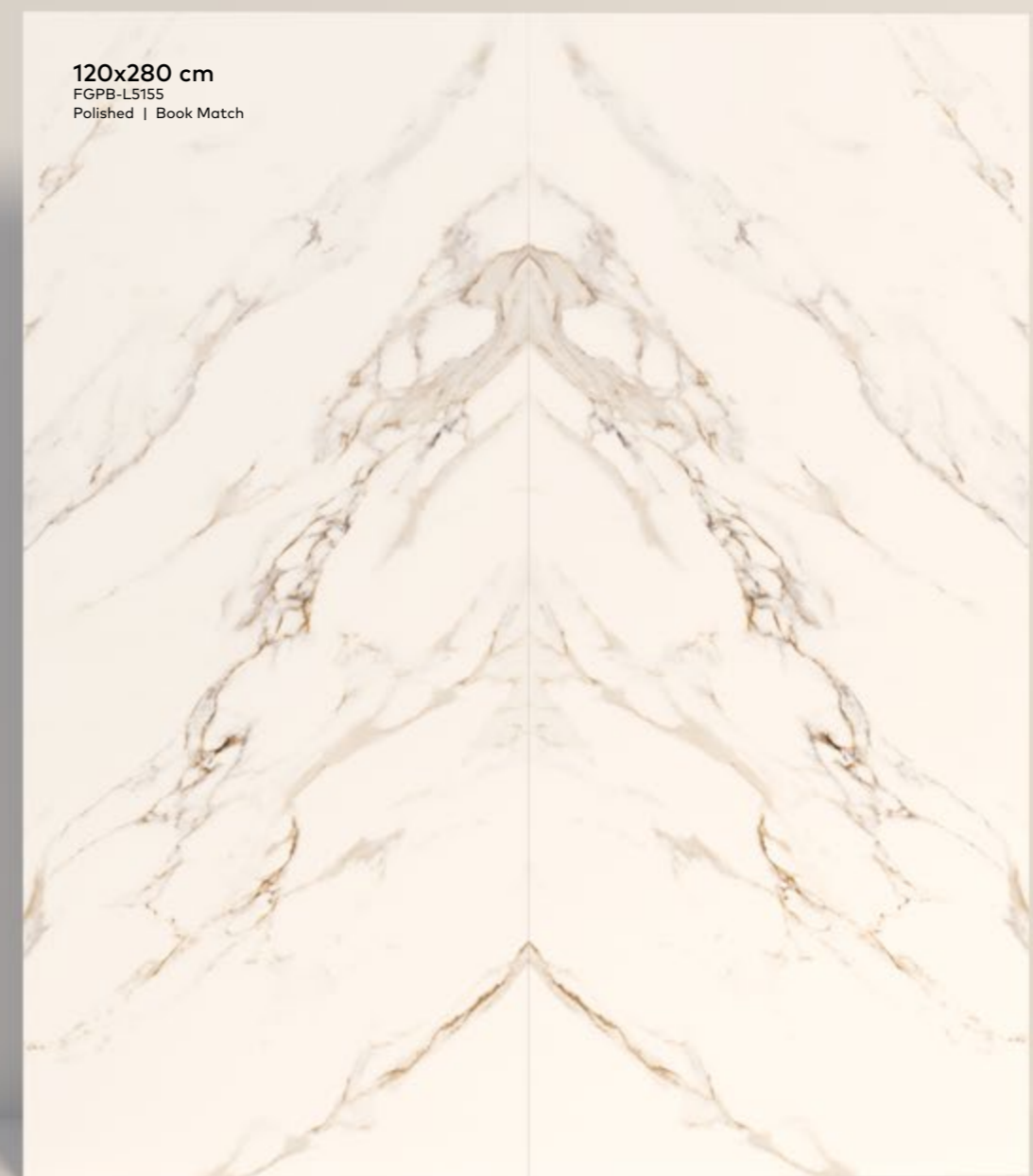


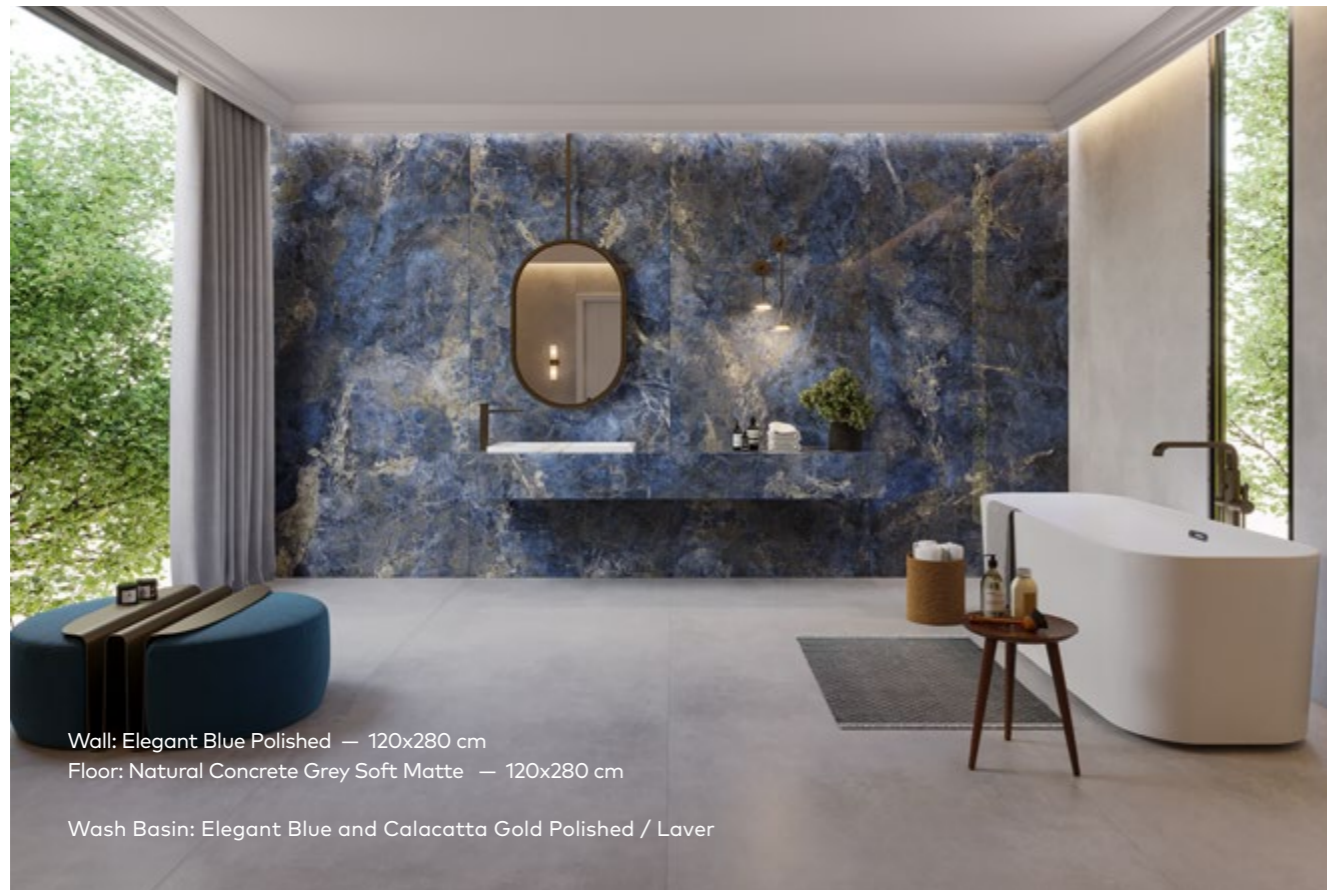
Wall: Calacatta Gold Polished — 120x280 cm  
Floor: Calacatta Gold Polished — 120x280 cm

# Calacatta Gold



Note that minor deviations could be possible at the faces' intersections.  
Actual product colors may slightly vary from the images shown.





Wall: Elegant Blue Polished — 120x280 cm  
Floor: Natural Concrete Grey Soft Matte — 120x280 cm  
Wash Basin: Elegant Blue and Calacatta Gold Polished / Laver



## Elegant Blue

Elegant Blue with its unique design embodies extraordinary charm of precious gems. Appropriate for both classic and contemporary area. Its unique color, sophisticated plays of golden veins and iridescent reflections brings dynamic to any space. Elegant Blue represents a cobalt sea split by golden waves.



Wall: Elegant Blue Polished — 120x280 cm  
Floor: Natural Concrete Light Grey Soft Matte — 120x280 cm

# Elegant Blue

Available other sizes upon demand. For more detail  
please contact sales department.



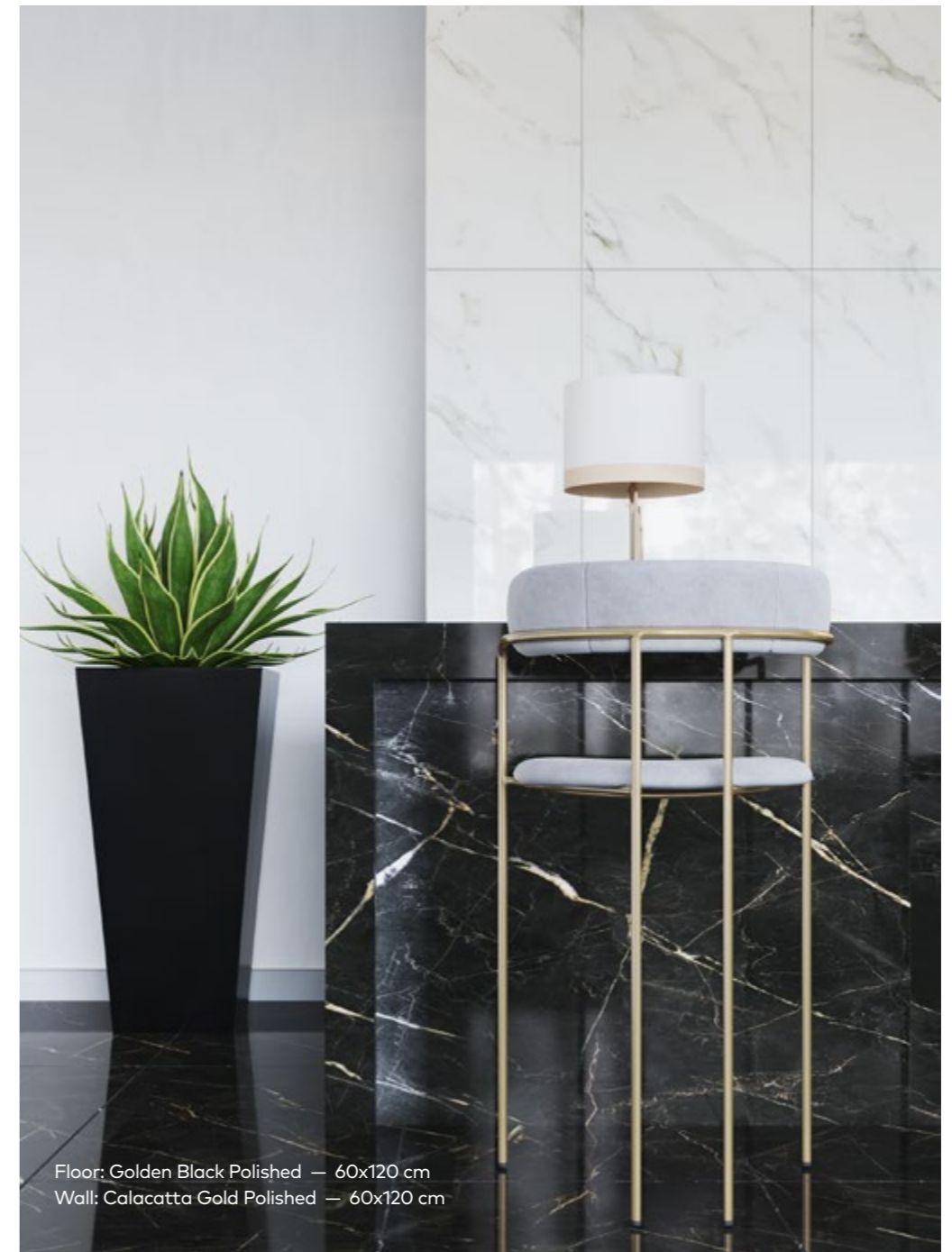
120x280 cm  
FGPB-LS165  
Polished | 4 Faces



80x160 cm  
FGPB-CS165  
Polished | 8 Faces



Floor: Golden Black Polished — 60x120 cm



Floor: Golden Black Polished — 60x120 cm  
Wall: Calacatta Gold Polished — 60x120 cm

## Golden Black

Golden Black marble is one of the best designs of Royal collection, a combination of golden and black color with a few white streaks. Its marble-effect brings sort of glamor which only a dramatic worthwhile material is able to produce. Golden Black provides a sense of wealth and luxury. Its fine details such as random veining patterns and shiny surface, represents exclusive marble choice.



Floor: Golden Black Polished — 60x120 cm

# Golden Black

Available other sizes upon demand. For more detail  
please contact sales department.

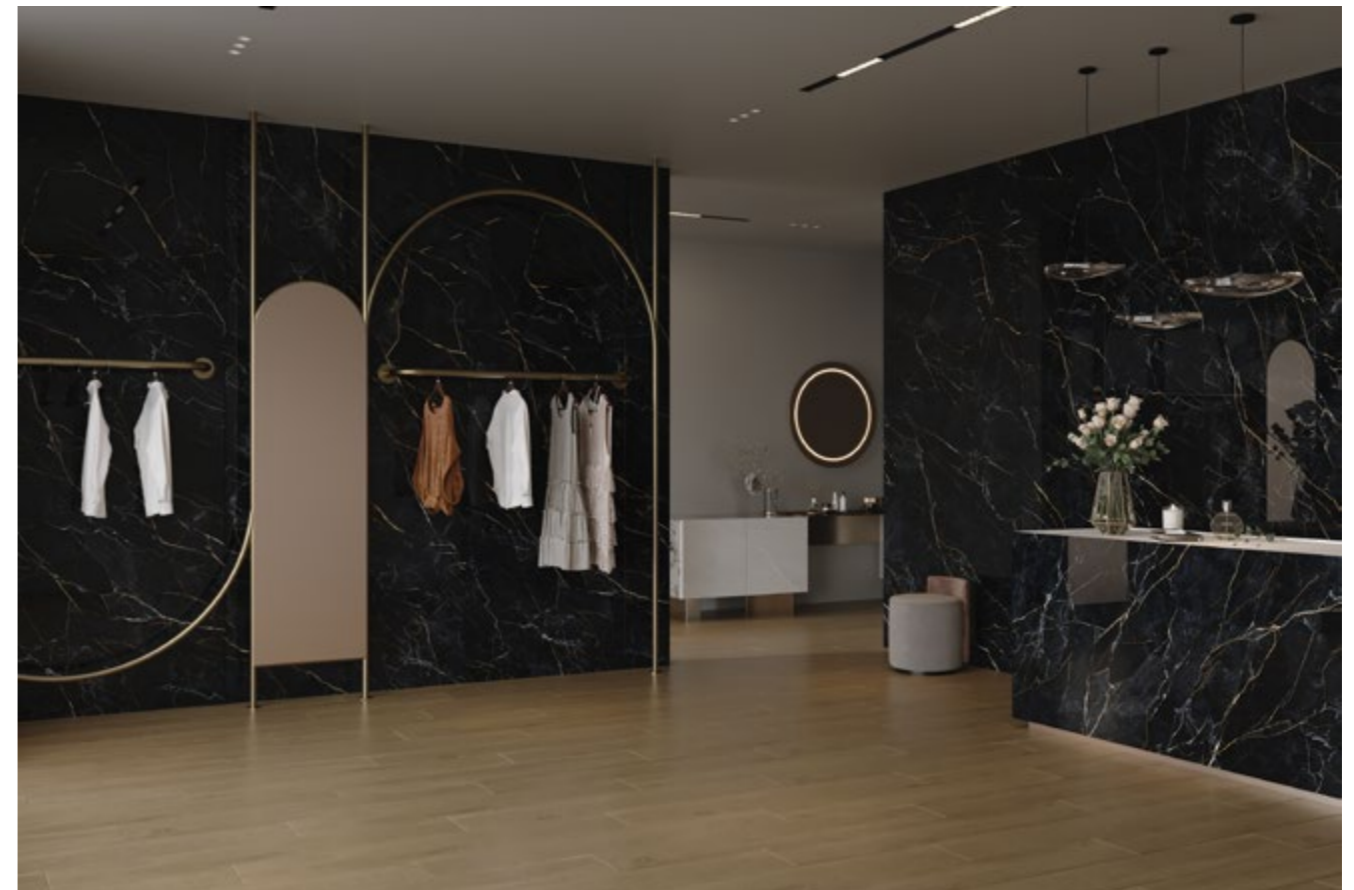






## Saint Laurent

Saint Laurent Marble with black background covered by white and golden veins is one of the most beautiful marble effect tiles. The combination of black, white, and gold creates a unique look for unique designs. Infuse depth and luxury into your home with Aximer's daring Golden Black Marble effect floor and wall tiles.



Wall: Saint Laurent Polished — 120x280 cm  
Floor: Maxiwood Walnut Relief — 20x120 cm



Wall: Saint Laurent Polished — 120x280

# Saint Laurent

Available other sizes upon demand. For more detail  
please contact sales department.





Wall: Statuario Extra Polished — 120x280 cm  
Floor: Statuario Extra Polished — 120x280 cm



## Statuario Extra

Statuario Extra marble is one of the most renowned and charming marbles, enriched with dark and grey veins and thinner patterns. Its clean white background contrasted with grey veining doubles its beauty. Statuario Extra with dramatic, artistic, and large-scale singular vein patterns brings a refined Italian design touch to your architectural projects.



Floor: Statuario Extra Polished — 60x120 cm

# Statuario Extra

Available other sizes upon demand. For more detail  
please contact sales department.



**120x280 cm**  
FGPB-L5185  
Polished | 4 Faces

**60x120 cm**  
FGPB-R1285  
Polished | 10 Faces

**100x100 cm**  
FGPB-W1285  
Polished | 9 Faces

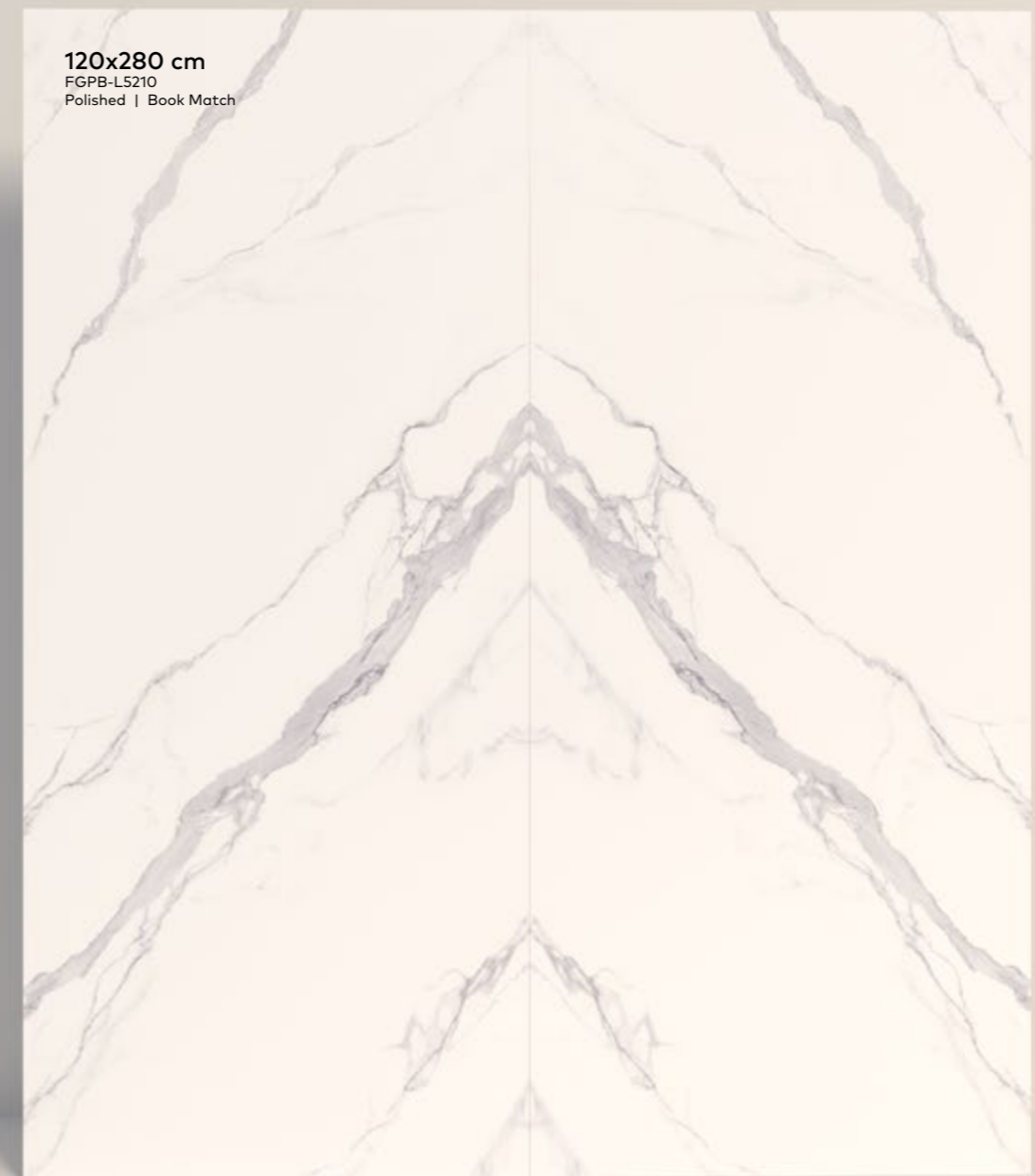


Wall: Statuario Extra Polished — 120x280 cm

# Statuario Extra



Note that minor deviations could be possible at the faces' intersections.  
Actual product colors may slightly vary from the images shown.



120x280 cm  
FGPB-L5210  
Polished | Book Match



## Nero Marquina

Nero Marquina, has the intense elegance of black marble. With its ultra-thin white veins running along an extreme black surface, Nero Marquina by Aximer is a full body porcelain slab suitable for ultra –sophisticated settings. Its visual perfection provides a unique visual impact.

Floor: Nero Marquina Polished — 120x280 cm



Floor: Nero Marquina Matte — 60x120 cm



Floor: Nero Marquina Matte — 60x120 cm

# Nero Marquina

Available other sizes upon demand. For more detail  
please contact sales department.





Floor: Elegant Grey Natural — 120x280 cm  
Wall: Elegant Grey Natural — 120x280 cm

## Elegant Grey

Elegant Grey Marble is a striking deep grey marble with distinctive white veining. The most beautiful sought after marble inspired porcelain tile boasts prominent veins, blooms, and subtle variations that you find in any natural design product. Elegant Grey marble tiles are perfectly combined with a wide range of colors based on it's nude theme of color.





Floor: Elegant Grey Natural — 120x280 cm  
Wall: Elegant Grey Natural — 120x280 cm

# Elegant Grey

Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
FGM-LS195  
Natural | 5 Faces



## Calacatta Silva

Calacatta Silva has the beauty of natural marble. Thanks to its porcelain character this product is suitable for private spaces to commercial world and helps architects to create a combination of modernity and practicality.



Facade: Calacatta Silva Matte — 60x120 cm

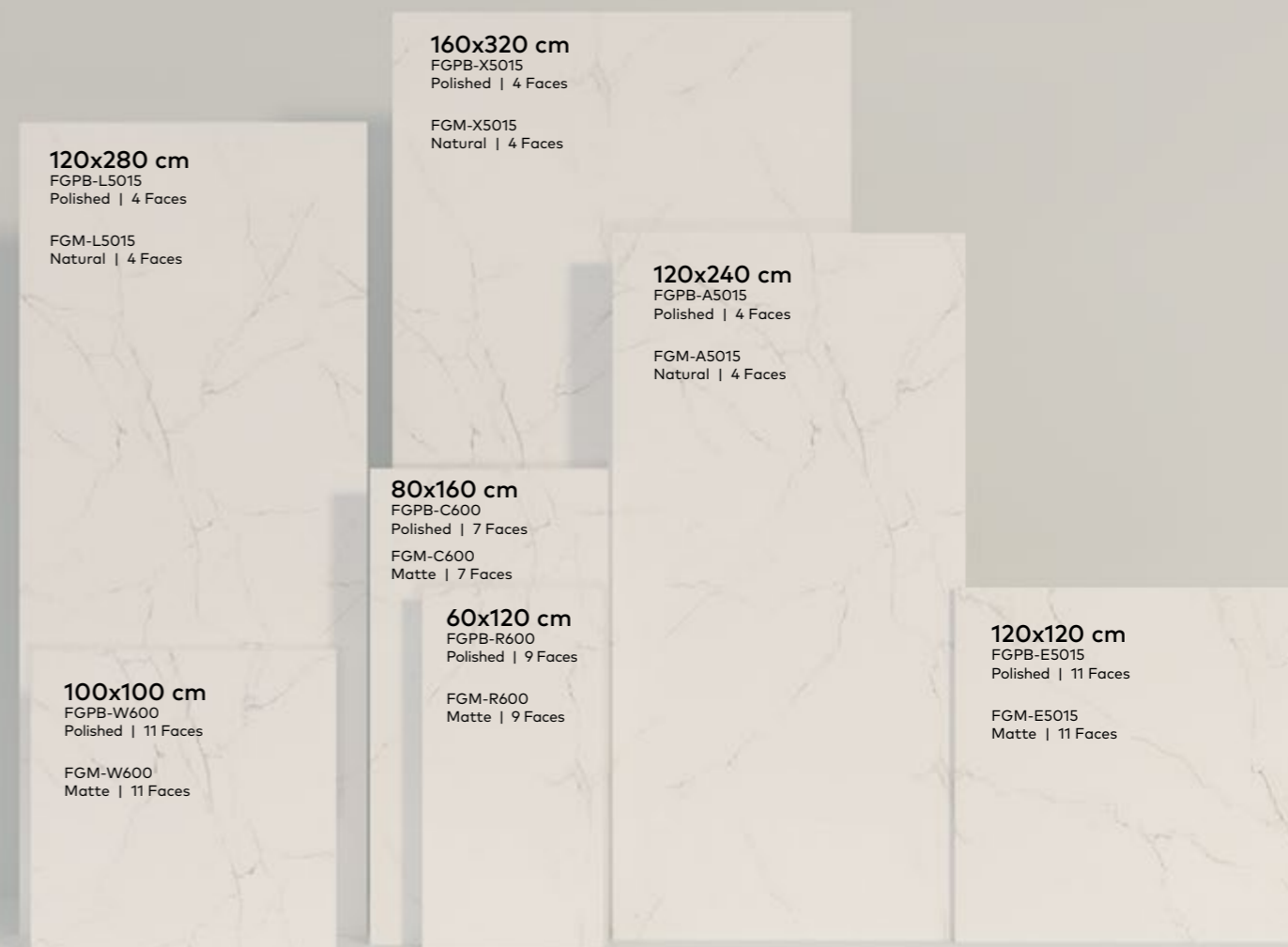


Floor: Calacatta Silva Polished — 120x280 cm  
 Wall: Calacatta Silva Polished — 120x280 cm

# Calacatta Silva



Available other sizes upon demand. For more detail  
 please contact sales department.





## Diamond

Diamond is inspired by a quartzite whose colors reflect warmth and its simplicity gives you the sense of life and calmness. The neutral canvas is criss-crossed with delicate but defined veins of beige and gold in a way that it has a very nice shine with a rich appearance, shimmering elegance. Its crystalized structure creates a complex design with varying depths of translucency and opacity. Using this wonderful porcelain tile, turn your ideas into a reality.



Floor: Diamond Polished — 60x120 cm



Floor: Diamond Polished — 60x120 cm

# Diamond

Available other sizes upon demand. For more detail  
please contact sales department.



**60x120 cm**  
FGPB-R1315  
Polished | 8 Faces

**120x120 cm**  
FGPB-E1315  
Polished | 6 Faces

## Pietra Grey

The sophisticated grey background color runs through with fine, candid grains that add a harmonious visual effect to Pietra Grey porcelain slabs. An unmistakable style, superb production and high performance make Pietra Grey an irreplaceable surface for enhancing any architecture or interior design project.



Floor: Pietra Grey Polished — 60x120 cm  
Wall: Calacatta Silva Polished — 60x120 cm

Floor: Pietra Grey Polished — 60x120 cm

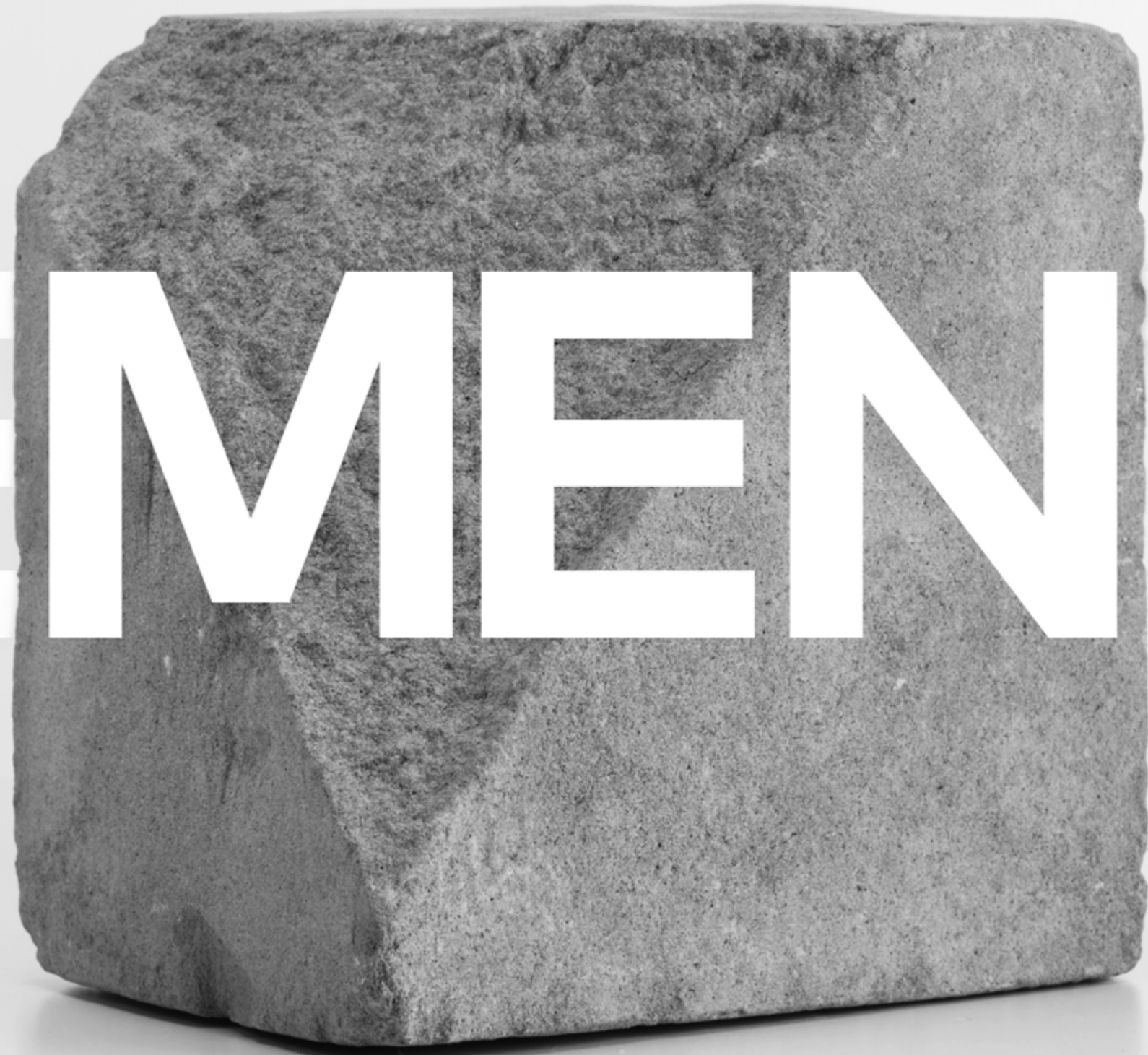


# Pietra Grey

Available other sizes upon demand. For more detail  
please contact sales department.



**CEMENT**







Floor: Natural Concrete Grey Matte — 100x100 cm



## Natural Concrete

A concrete-effect collection which combines all the advantages of ceramic tiles with a perfect look to create a strong contemporary allure. Thanks to natural textures and neutral colors, concrete effect tiles are the perfect solution to a contemporary and minimalism style of design. Versatile collections to use in residential contexts and also administrative and industrial projects for indoor and outdoor spaces.



Floor: Natural Concrete Grey Matte — 100x100 cm

Floor: Natural Concrete Grey Matte — 100x100 cm





# Natural Concrete

Available other sizes upon demand. For more detail please contact sales department.



# Natural Concrete

Available other sizes upon demand. For more detail please contact sales department.





# Natural Concrete

Available other sizes upon demand. For more detail please contact sales department.



# Natural Concrete

Available other sizes upon demand. For more detail please contact sales department.





Floor: Beton Art Smoke and Grey Matte — 60x120 cm



## Beton Art

The interpreter of an essential but sophisticated style that stands out for the possibility of multiple combinations of cement effects designed to create integration, key element of the most attractive combination of concrete surface. Beton Art in 5 different colors and 5 random surfaces helps architects to achieve the esthetic of cement together with durability of porcelain, meet needs of modernity in their designs.



Wall: Beton Art Smoke Matte — 60x120 cm  
Floor: Beton Art Grey Matte — 60x120 cm

# Beton Art



Available other sizes upon demand. For more detail  
please contact sales department.



Grey

60x120 cm  
FGM-R780  
Matte | 5 Faces



Smoke

60x120 cm  
FGM-R785  
Matte | 5 Faces

**STONE**



## Travertino

Travertino invites you to step into tranquility, where the aesthetics of travertino provides you an experiencing a highly contemporary moment. Travertino brings an earthy touch to any space and combines the traditional charm of stone with the characteristics of porcelain slabs. Travertino is a suitable substrate for taking inspiration for those seeking a classic look with a chic twist.







Wall: Travertino Natural — 120x280 cm  
Floor: Travertino Natural — 120x280 cm

# Travertino

Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
FGM-L5035  
Natural | 5 Faces



Wall: Native Black Relief — 120x280 cm  
Floor: Maxiwood Silver Relief — 20x120 cm



## Native

Native is an elegant slate with delicate and light veins that are deeply interwoven to create a subtle and sophisticated pattern. Native's relief texture evokes a modern interpretation of natural stone in a way that its low contrast and homogenous theme make it a perfect backdrop for any design style. It is time to upgrade your space with the natural beauty of Native and experience the durability of porcelain with a touch of natural stone charm.



Floor: Native Grey Relief — 60x120 cm

# Native



Available other sizes upon demand. For more detail please contact sales department.





## Stonetech

Stonetech is «monolithic»; it indicates harmony despite being unified. Stonetech comes with a natural stone relief that is soft to touch, yet express a fine natural stone look surface. Parallel details with a sufficient amount of monotone surface make this design fashionable yet suitable for facade and outdoor applications.



Facade: Stonetech Coal Grey Relief — 60x120 cm



Floor: Stonetech Light Grey Relief — 60x120 cm

# Stonetech



Available other sizes upon demand. For more detail  
please contact sales department.



**Bone**

60x120 cm  
FGM-R1190  
Relief | 5 Faces

**Soil**

60x120 cm  
FGM-R1175  
Relief | 5 Faces

**Light Grey**

60x120 cm  
FGM-R1160  
Relief | 5 Faces

**Grey**

60x120 cm  
FGM-R1165  
Relief | 5 Faces

**Coal Grey**

60x120 cm  
FGM-R1170  
Relief | 5 Faces

## Riven Slate

Riven Slate is a mesmerizing creation inspired by volcanic rocks found in the east. It beautifully combines the elements of earth and water, as the magma of volcanoes meets cold waters to form captivating rock formations. This unique design is widely favored in contemporary and modern architecture, particularly for large surfaces. With its sophisticated blend of intense greys and neutral tones, Riven Slate effortlessly infuses any space with a minimal and modern style. The product's relief surface further enhances its appeal, adding depth and texture to its timeless charm and layered structure.



# Riven Slate



Available other sizes upon demand. For more detail please contact sales department.



Wall: Riven Slate Light Grey Relief — 120x280 cm  
Floor: Pantheon Marble Grey Natural — 120x280 cm

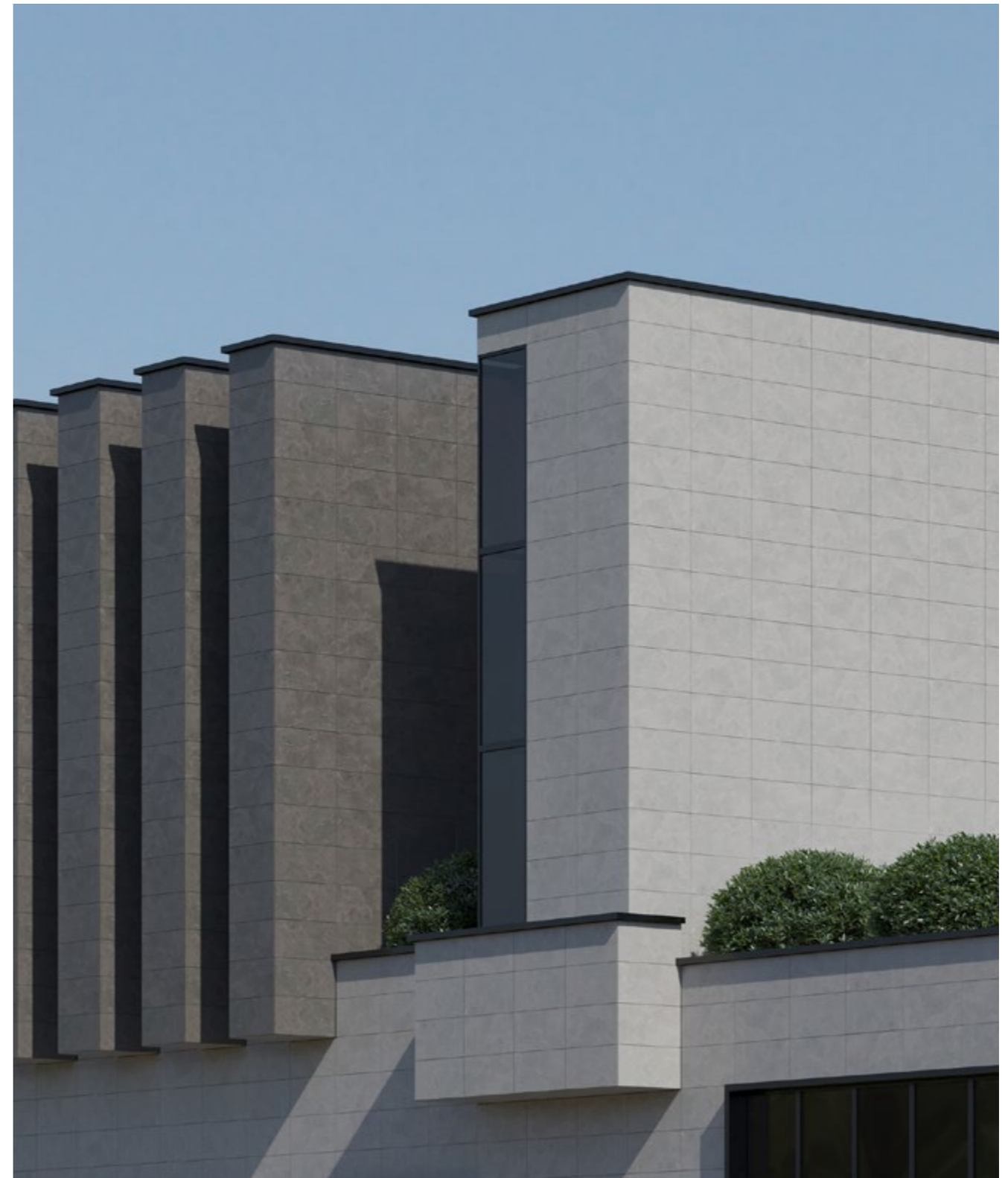




Facade: Lithos Soft Grey and grey Matte — 60x120 cm

## Lithos

Lithos combines the characteristics of different European lime stones to bring a feeling of soft delicate surface, yet present a rough sturdy structure. The series is suitable for any type of usage.







Floor: Lithos Grey Matte — 60x120 cm  
Wall: Lithos Grey Matte — 60x120 cm



# Lithos



Available other sizes upon demand. For more detail  
please contact sales department.



Soft Grey

60x120 cm  
FGM-R1115  
Matte | 8 Faces



Grey

60x120 cm  
FGM-R1120  
Matte | 8 Faces

MICRO  
COLOR





Facade: Monocolor White Matte — 60x120 cm



## Monocolor Night

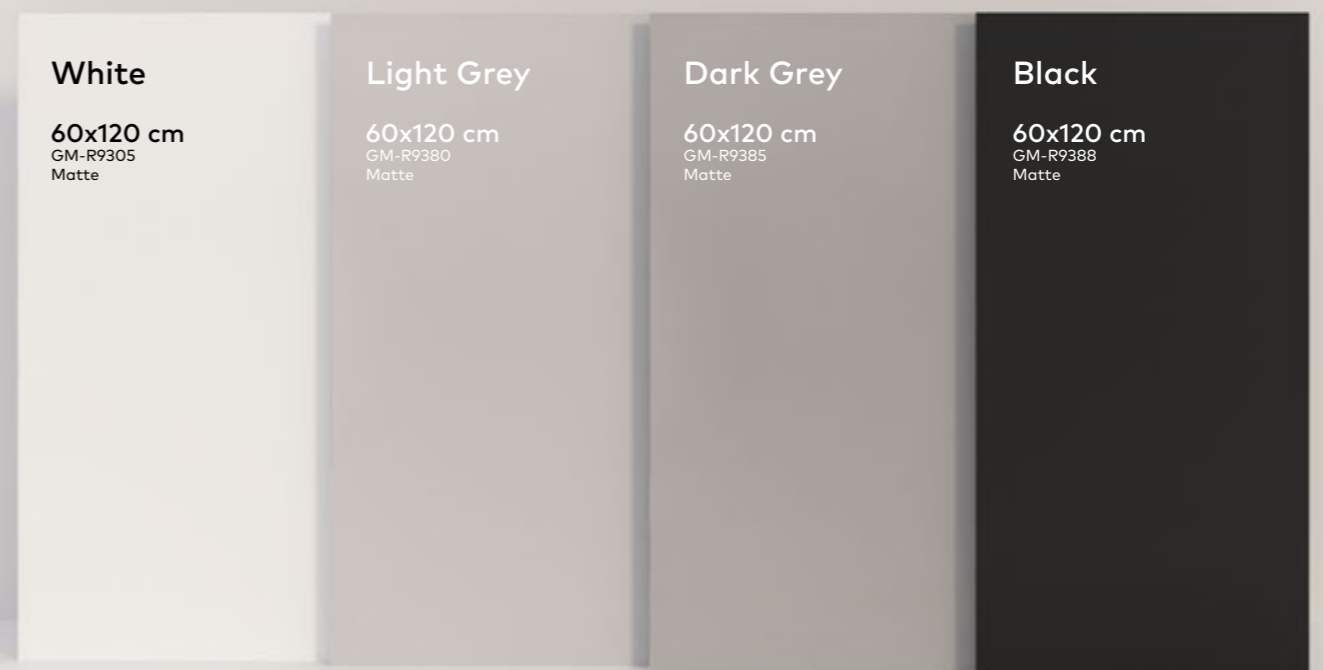
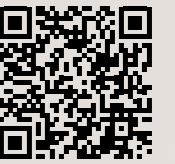
A perfect synthesis of technology, simplicity and pureness, living all in full colors. From light of white to darkness of black with combination of joyful day colors. Monocolor series of Aximer make architects dream come true by offering them a range of selected colors to create genial, flawless and solid spaces.



Facade: Monocolor White Matte — 60x120 cm

# Monocolor Night

Available other sizes upon demand. For more detail  
please contact sales department.





**METAL**



## Oxide

Oxide is a remarkable slab that stands out with its unique and captivating design. With fabulous decorations and metal reflections, it offers the perfect opportunity to create dramatic and industrial spaces. Its intriguing mix of corten brown hues, light shades transitioning towards light grey, and a captivating matte metallic aesthetic that adds a touch of interest to any room. Oxide's noticeable oxidized appearance and warm colors instantly infuse character into your space. Combining the beauty of metal with the exceptional performance of ceramic in terms of resistance and ease of maintenance, Oxide is truly a remarkable choice.



Facade: Oxide Metal — 120x280 cm  
and Natural Concrete Ash Matte — 60x120 cm



Facade: Oxide Metal — 120x280 cm  
and Natural Concrete Ash Matte — 60x120 cm

# Oxide



Available other sizes upon demand. For more detail  
please contact sales department.



120x280 cm  
FGM-LS300  
Metal | 5 Faces



Floor: Metallic Blue Semi Polished — 80x160 cm  
Wall: Metallic Blue Semi Polished — 80x160 cm



## Metallic Blue

Metallic is a trace of oxidization that covers your surfaces by giving an original and unique accent. By Metallic collection, you can experience the most intimate emotion of metal and the beauty of industrial atmospheres whose delicate, refined, and unique textures enhance the natural and precious aesthetics of the material for a space with a timeless charm. Metallic with its semi polished surface brings an elegance and unconventional touch.





Wall: Metallic Blue Semipolished — 80x160 cm  
Floor: Metallic Blue Semipolished — 80x160 cm

# Metallic Blue



Available other sizes upon demand. For more detail  
please contact sales department.



80x160 cm  
LFG-C1350  
Semipolished | 5 Faces

WOOD





## Maxiwood

Maxiwood is a great mix of warmth and elegance which is perfectly in harmony with the latest innovative trends. Maxiwood surface is enhanced by relief punch that gives natural touch with new emotion of wooden material character and personality to every setting. Thanks to the stable nature of porcelain, Maxiwood is able to tackle every condition and offers new uses of wood for floors and walls in residential and commercial spaces.



Floor: Maxiwood Walnut Relief — 20x120 cm  
 Wall: Maxiwood Platinum Relief — 20x120 cm

# Maxiwood

Available other sizes upon demand. For more detail  
please contact sales department.



Wall: Maxiwood Almond Relief — 20x120 cm  
Floor: Maxiwood Almond Relief — 20x120 cm



TECHNICAL  
INFORMATION

# Technical Characteristics

| CHARACTERISTICS   | Annex G Group Bla                               |              | Test Method    | Aximer Test Result |
|---|---|--------------|----------------|--------------------|
|   | Requirments for normal size n >15cm             |              |                |                    |
| <b>DIMENSIONS AND SURFACE QUALITY</b>                                     |   |              |                |                    |
| Length and width (cm )  | ±0.6%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| Thickness   | +5%   | max ±0.5mm   | EN ISO 10545-2 | Affirmative        |
| Rectangularity  | ±0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| Straightness of sides   | ±0.5%   | max ±1.5mm   | EN ISO 10545-2 | Affirmative        |
| Length and width (cm )  | N >15cm ±0.6%                                   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| Thickness   | ±5%   | max ±0.5mm   | EN ISO 10545-2 | Affirmative        |
| Rectangularity  | ±0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| Straightness of sides   | ±0.5%   | max ±1.5mm   | EN ISO 10545-2 | Affirmative        |
| Surface flatness  | ±0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| <b>SURFACE FLATNESS</b>   |   |              |                |                    |
| a) Center curvature ,related to diagonal calculated from the work sizes   | +0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| b) Edge curvature, related to the corresponding work size                 | ±0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| c) Warpage, related to diagonal calculated from the work size             | ±0.5%   | max ±2mm     | EN ISO 10545-2 | Affirmative        |
| <b>PHYSICAL PROPERTIES</b>  |   |              |                |                    |
| Water absorption (in %by mass )   | E <0.5%Individual                               | Maximum 0.6% | EN ISO 10545-3 | Affirmative        |
| BREAKING STRENGTH (N )for Thickness ≥7.5mm                                | Not Less Than 1300N                             |              | EN ISO 10545-4 | Affirmative        |
| Flexural tensile strength or Modulus of rupture (N /mm²)                  | Minimum 35N /mm²<br>Individual Minimum 32N /mm² |              |                | Affirmative        |
| Impact resistance ,as: Coefficient of restitution (COR )                  | Declared Value                                  |              | EN ISO 10545-5 | Affirmative        |
| Resistance to deep abrasion of unglazed tiles : Removed value (mm³ )      | Maximum 175 mm³                                 |              | EN ISO 10545-6 | Affirmative        |
| Resistance to surface abrasion of glazed tiles intended for use on floors | Abrasion class and cycles passed                |              | EN ISO 10545-7 | Affirmative        |
| Coefficient of linear thermal expansion                                   | Declared Value                                  |              | EN ISO 10545-8 | Affirmative        |
| Resistance to thermal shock   | Pass according to EN ISO 10545-1                |              | EN ISO 10545-9 | Affirmative        |

| CHARACTERISTICS   | Annex G Group Bla                               |  | Test Method     | Aximer Test Result |
|---|---|--|-----------------|--------------------|
|   | Requirments for normal size n >15cm             |  |                 |                    |
| <b>PHYSICAL PROPERTIES</b>                                    |   |  |                 |                    |
| Frost resistance  | Pass according to EN ISO 10545-1                |  | EN ISO 10545-12 | Affirmative        |
| Water absorption (in %by mass )                               | E ≤0.5% Individual maximum 0.6%                 |  | EN ISO 10545-3  | Affirmative        |
| Breaking strength for thickness 7.5mm and more                | Not less than 1300N                             |  | EN ISO 10545-4  | Affirmative        |
| Flexural tensile strength or Modulus of rupture (N /mm² )     | Minimum 35N /mm²<br>Individual minimum 32N /mm² |  |                 | Affirmative        |
| Resistance to deep abrasion of unglazed tiles: Removed Volume | Maximum 175mm³                                  |  | EN ISO 10545-6  | Affirmative        |
| Coefficient of linear thermal expansion                       | Declared value                                  |  | EN ISO 10545-8  | Affirmative        |
| Resistance to thermal shock                                   | Pass according to EN ISO 10545-1                |  | EN ISO 10545-9  | Aft mative         |
| Frost Resistance  | Pass according to EN ISO 10545-1                |  | EN ISO 10545-12 | Affirmative        |
| <b>CHEMICAL PROPERTIES</b>                                    |   |  |                 |                    |
| Resistance to the low concentration of acids & alkanes        | Declared Value                                  |  | EN ISO 10545-13 | Affirmative        |
| Resistance to the high concentration of acids & alkanes       | Declared Value                                  |  |                 | Affirmative        |
| Resistance to household chemicals & swimming pool salts       | Minimum Class B                                 |  |                 | Affirmative        |
| Resistance to staining (unglazed tiles)                       | Declared Value                                  |  | EN ISO 10545-14 | Affirmative        |
| Resistance to staining (Unglazed tiles)                       | Declared value                                  |  | EN ISO 10545-14 | Affirmative        |
| Resistance to the low concentration of acids & alkalis        | Declared value                                  |  | EN ISO 10545-13 | Affirmative        |
| Resistance to the high concentration of acids & alkalis       | Declared value                                  |  |                 | Affirmative        |
| Resistance to household chemicals & swimming Pool Salts       | Minimum class B                                 |  |                 | Affirmative        |

# Technical Characteristics

## WATER ABSORPTION

ISO 10545-3

The water absorption of Aximer slabs is minimized thanks to production and quality control standards of an extremely high level, which guarantees compactness and a reduced level of porosity. The value given in the tables of technical characteristics refers to the percentage of water absorbed with respect to the mass.

## BENDING RESISTANCE

ISO 10545-4

The value expressed allows an analysis of the ability of the slabs to withstand static and dynamic stress in the test conditions.

## ABRASION RESISTANCE

ISO 10545-6

The test is performed on unglazed (UGL) surfaces in order to determine the quantity of material that is removed following the action of an abrasive disc (150 revs). The Aximer slabs prove to be more resistant the less material is removed by the disc.

## FROST RESISTANCE

ISO 10545-12

Outdoor applications are particularly prone to deterioration due to frost, because in the event that any water absorbed turns into ice, this can lead to the tile breaking. The Aximer slabs are not damaged by frost in any way thanks to their compactness and low porosity.

## RESISTANCE TO CHEMICAL AGGRESSION

ISO 10545-13

The laboratory analysis is able to determine the resistance of glazed (GL) and unglazed (UGL) surfaces to chemical aggression by using acids and bases with a high concentration in line with the following classification: LA, HA, A: no visible effect.

## SLIPPERINESS

DIN 51130-1

In this test, a person is asked to stand on a flat surface covered with tiles and sprinkled with oil. This surface is then tilted until the person, wearing specific footwear, starts to slip. The following classification is established by the angle of inclination of the tiled surface at the moment the person starts to slip:

up to <6° unclassified  
6°< to 10° R9

## STAIN RESISTANCE

ISO 10545-14

Three different elements (oil, iodine solution, and green chrome solution) are applied to and left on the tiles for 24 hours, after which they are then cleaned:

» Class E 5

The stain is removed with hot running water for 5 minutes.

» Class E 4

The stain is removed using a weak neutral detergent and a non-abrasive sponge.

» Class E 3

The stain is removed using a basic detergent containing an abrasive agent and a rotating brush with hard bristles.

» Class E 2

The stain is removed using a suitable solvent, left on the stain for 24 hours.

» Class E1

The stain cannot be removed.

## CHARACTERISTICS OF THE Aximer SLABS

The Aximer slabs are produced only with natural, mineral raw materials. Research on the product has made it possible to obtain an effect that is extremely close to the natural material, with the advantage that the typical defects and blemishes in the original product found in nature can be removed using technology.

» Basic formats and special trims can be supplied in autonomous shades. Any minor variations in size fall within the standard tolerance values;

» Any minor dots add to the natural feel of the material;

» Any second choice or discontinued products are sold on an "as seen" basis and may not be returned;

» The use of Aximer slabs with non-rectified edges is allowed only after the de-tensioning of the slab by removing any excess from the outer edges, as per the specifications in the technical manual.

## DOCUMENTATION

The engineered surface reserves the right to make changes to the products illustrated in this catalog for production requirements or with the aim of improving the technical/aesthetic quality. The samples are purely indicative. The packaging and weight information is shown may vary for production requirements. To avoid any problems, we recommend contacting the sales department at the time of placing an order.

## USE AND MAINTENANCE

### SUGGESTIONS FOR CORRECT FITTING AND CLEANING

Although the slabs are mainly intended for furnishing, Aximer slabs may also be fitted in the traditional way as flooring and wall coverings to create spaces with a "total look". The following specifications refer to slabs fitted as flooring and wall coverings. With regard to the gluing of the slabs on furnishing elements, we recommend you consult the Aximer technical manual.

### FITTING

When you receive the material ordered and in any case before fitting, it is important to check carefully the characteristics of the material (compliance with size, shade, and quality). No complaints will be accepted for any materials that have already been fitted if the defects were visible prior to fitting. To obtain the best aesthetic results, we recommend mixing the graphics accurately to avoid repeating patterns and to obtain the best possible results in terms of layout and color. The slabs can be fitted using specific high-performance adhesives for porcelain stoneware, adhesives in category C2 or above. We recommend applying the adhesive on both sides to prevent any breakages of the material once fitted. Please remember that at the time of fitting, the substrate must be stable, dry, and properly prepared, not frosted, and not too hot and that it is necessary in any case to follow the instructions provided by the manufacturers of the materials for the specific substrates and adhesives used. Cement-based adhesives must be applied at room temperature, in general between 5°C and 30/35°C. It is hereby understood that we recommend observing the technical times indicated by the manufacturers of the adhesives used. The most suitable adhesives for fitting the Aximer slabs are listed in the European Standard currently in force: EN12004. When fitting the material, avoid using pencils (graphite) or permanent markers to make marks on the surface, particularly on polished products. The Aximer slabs can be shaped and cut using purpose-built diamond discs and equipment for porcelain stoneware.

### JOINTS AND GROUTING

We strongly advise against fitting the slabs without joints. We also recommend a minimum joint of 3 mm (this type of fitting allows the grout to have a better grip on the sides of the slabs, greater absorption of any movements of the substrate, and consequently of the slabs themselves). In large, open spaces it is absolutely essential to position the expansion joints at regular intervals; in smaller rooms, on the other hand, it is sufficient to leave a slight space between the tiled surface and the walls around the room, adding a final touch with a skirting board or with the wall covering. Please refer in any case to the advice/suggestions of the planner, the works director, or the tile fitter to avoid problems of any sort. For the best possible results, we suggest using tone-on-tone grouting. It is important to remove any excess grouting immediately and accurately after application while still fresh, using a sponge and plenty of water. A few days after fitting, once the joints are completely dry, it is essential to thoroughly clean the tiled surface using buffered acids (see the after fitting instructions) in order to completely remove all cement-based residues.

### CLEANING "AFTER FITTING"

Properly cleaning the files after they have been fitted is crucial. If residues of grouting are not properly removed, this may leave marks that are difficult to remove later, due to a film of cement that can absorb any kind of dirt. It is essential to loosen and eliminate these residues completely using buffered acids diluted in water (read the instructions for use on the packages of the products used), soon after fitting, and to thoroughly rinse any residues from the fitted surface in order to prevent any damage to the material. It is preferable to try cleaning a small part of the surface first; if the results are good, the entire surface can then be cleaned. After this, the floor must then be cleaned using a basic or alkaline detergent. These must be degreasing because the surface treatment might help to trap dirt. For Polished slabs with a marble effect, Aximer recommends taking special care when cleaning the surface using buffered acids, as the surface may be damaged if the acid is not removed quickly. For polished surfaces, the use of non-abrasive cleaning equipment is necessary to prevent the surface from losing its shine or becoming scratched.

### ROUTINE CLEANING

For routine cleaning of the Aximer slabs, we strongly advise against the use of waxes, greasy soaps, fillers and various treatments (water repellent) treatments. In order to prevent any shiny patinas from forming on the slabs, Aximer would like to point out that hydrofluoric acid (HF) and its derivatives cause irrevocable damage to its products. For routine cleaning operations, Aximer recommends the use of bleach and ammonia, appropriately diluted in water; for the Polished finish, it suggests drying the floor after cleaning to avoid any marks.

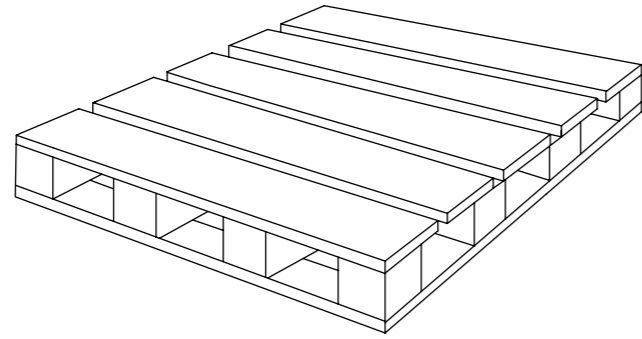
### EXTRAORDINARY CLEANING

In the case of particularly stubborn stains, we recommend the use of specific detergents, which are indicated in greater detail in the table entitled "cleaning products". Furthermore, it should not be forgotten that it is easier to remove any stain when still fresh. It is always important to test the detergents on a small area before applying them to the entire surface, particularly on Polished surfaces.

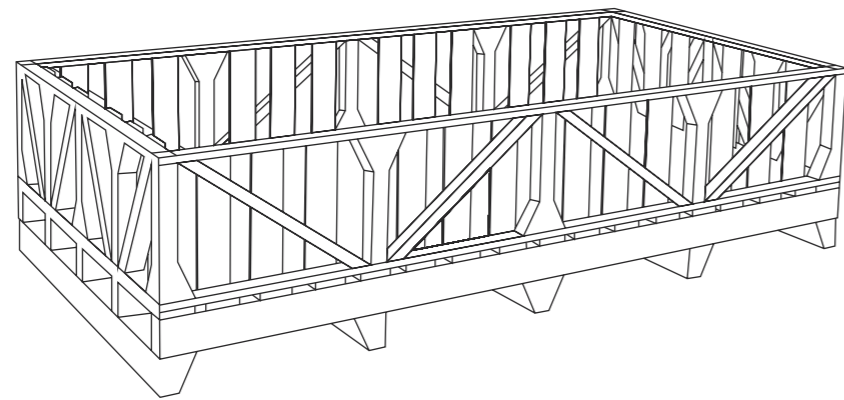
### RAISED FLOORINGS

In the case of raised floorings, it is not possible to use a large quantity of water; we, therefore, recommend using a floor cloth that has been properly wrung. Routine cleaning must be carried out using purpose made floor cloths, lukewarm water, and detergent, reducing the amount of water used. Stains can still be removed using concentrated products directly on the stains.

## Packing



| Size               | Thickness | SQM/Box | Pieces/Box | KG/Box | Box/Pallet | KG/Pallet | SQM/Pallet |
|--------------------|-----------|---------|------------|--------|------------|-----------|------------|
| 20x120 cm          | 11.5 mm   | 0.96    | 4          | 26     | 84         | 2021      | 80.64      |
| 60x120 cm Polished | 11.5 mm   | 1.44    | 2          | 38.2   | 60         | 2292      | 86.4       |
| 60x120 cm Matte    | 11.5 mm   | 1.44    | 2          | 37.5   | 60         | 2250      | 86.4       |
| 60x60 cm           | 20 mm     | 0.72    | 2          | 31.04  | 40         | 1241.6    | 28.8       |
| 100x100 cm         | 10 mm     | 2       | 2          | 46     | 42         | 1932      | 84         |



| Size       | Thickness | SQM/Box | Pieces/Box | KG/Box | Box/Pallet | KG/Pallet | SQM/Pallet |
|------------|-----------|---------|------------|--------|------------|-----------|------------|
| 80x160 cm  | 9.5 mm    | 1.28    | -          | 27.4   | 50         | 1370      | 64         |
| 120x120 cm | 9.5 mm    | 1.44    | -          | 32.5   | 45         | 1530      | 64.8       |
| 120x240 cm | 9.5 mm    | 2.88    | -          | 62     | 36         | 2354      | 103.68     |
| 120x280 cm | 9.5 mm    | 3.36    | -          | 72     | 36         | 2730      | 120.96     |
| 160x320 cm | 9.5 mm    | 5.12    | -          | 110    | 22         | 2600      | 112.64     |

## Technical Details

Table -2 Characteristic of Ceramic Tiles Required for Different Applications

| CHARACTERISTICS <sup>a)</sup> |   | FLOORINGS |          | WALLS    |          | TEST METHOD                         |
|-------------------------------|---|-----------|----------|----------|----------|-------------------------------------|
| A)                            | DIMENSIONS AND SURFACE QUALITY  | INTERIOR  | EXTERIOR | INTERIOR | EXTERIOR | REFERENCE                           |
| A.1                           | Length and Width (cm)   | X         | X        | X        | X        | EN ISO 10545-2                      |
| A.2                           | Thickness   | X         | X        | X        | X        | EN ISO 10545-2                      |
| A.3                           | Straightness of Sides (i.e. Facial Sides) <sup>b)</sup>                     | X         | X        | X        | X        | EN ISO 10545-2                      |
| A.4                           | Rectangularity <sup>b)</sup>  | X         | X        | X        | X        | EN ISO 10545-2                      |
| A.5                           | Surface Flatness  | X         | X        | X        | X        | EN ISO 10545-2                      |
| A.6                           | Surface Quality   | X         | X        | X        | X        | EN ISO 10545-2                      |
| B)                            | PHYSICAL PROPERTIES   | INTERIOR  | EXTERIOR | INTERIOR | EXTERIOR | REFERENCE                           |
| B.1                           | Water Absorption  | X         | X        | X        | X        | EN ISO 10545-3                      |
| B.2                           | Breaking Strength <sup>c)</sup>   | X         | X        | X        | X        | EN ISO 10545-4                      |
| B.3                           | Flexural Tensile Strength <sup>d)</sup> or Modules of Rupture <sup>d)</sup> | X         | X        | X        | X        | EN ISO 10545-4                      |
| B.4 a                         | Resistance to Deep Abrasion -Unglazed Tiles <sup>d)</sup>                   | X         | X        |          |          | EN ISO 10545-6                      |
| B.4 b                         | Resistance to Surface Abrasion -Glazed Tiles <sup>d)</sup>                  | X         | X        |          |          | EN ISO 10545-7                      |
| B.5                           | Linear Thermal Expansion <sup>e)</sup>                                      | X         | X        | X        | X        | EN ISO 10545-8                      |
| B.6                           | Resistance to Thermal Shock <sup>f)</sup>                                   | X         | X        | X        | X        | EN ISO 10545-9                      |
| B.7                           | Resistance to Cracking <sup>g)</sup>  | X         | X        | X        | X        | EN ISO 10545-11                     |
| B.8                           | Freeze -Thaw Resistance <sup>h)</sup>                                       |           | X        |          | X        | EN ISO 1015-12                      |
| B.9                           | Slipperiness  | X         | X        |          |          | FprCEN /TS 16165:2011 <sup>i)</sup> |



| CHARACTERISTICS <sup>o)</sup> |   | FLOORINGS       |                 | WALLS           |                 | TEST METHOD       |
|-------------------------------|---|-----------------|-----------------|-----------------|-----------------|-------------------|
| B.10 a                        | Bond Strength / Adhesion <sup>k)</sup> - Cementitious Adhesives                   |                 |                 | X               | X               | EN 12004:2007,4.1 |
| B.10 b                        | Bond Strength / Adhesion <sup>k)</sup> - Dispersion Adhesives                     |                 |                 | X               | X               | EN 12004:2007,4.2 |
| B.10 c                        | Bond Strength / Adhesion <sup>k)</sup> - Reaction Resin Adhesives                 |                 |                 | X               | X               | EN 12004:2007,4.3 |
| B.10 d                        | Bond Strength / Adhesion <sup>k)</sup> - Mortar                                   |                 |                 | X               | X               | EN ISO 10545-12   |
| B.11                          | Moisture Expansion <sup>q)</sup>  | X               | X               | X               | X               | EN ISO 10545-10   |
| B.12                          | Small Color Differences <sup>m)</sup>   | X               | X               | X               | X               | EN ISO 10545-16   |
| B.13                          | Impact Resistance <sup>n)</sup>   | X               | X               |                 |                 | EN ISO 10545-5    |
| B.14                          | Reaction to Fire <sup>o)</sup>  | X               |                 | X               | X               | WT                |
| B.15                          | Tactility <sup>p)</sup>   | X               | X               |                 |                 | CEN TS 15209)     |
| <b>C)</b>                     | <b>CHEMICAL PROPERTIES</b>  | <b>INTERIOR</b> | <b>EXTERIOR</b> | <b>INTERIOR</b> | <b>EXTERIOR</b> | <b>REFERENCE</b>  |
| C.1 a                         | Resistance to Staining -Glazed Tiles <sup>s)</sup>                                | X               | X               | X               | X               | EN ISO 10545-14   |
| C.1 b                         | Resistance to Staining -Unglazed Tiles <sup>s)</sup>                              | X               | X               | X               | X               | EN ISO 10545-14   |
| C.2 a                         | Resistance to Acids and Alkalis of Low Concentration <sup>t)</sup>                | X               | X               | X               | X               | EN ISO 10545-13   |
| C.2 b                         | Resistance to Acids and Alkalis of High Concentration <sup>t)</sup>               | X               | X               | X               | X               | EN ISO 10545-13   |
| C.2 c                         | Resistance to Household Cleaning Agents and Swimming Pool Chemicals <sup>t)</sup> | X               | X               | X               | X               | EN ISO 10545-13   |
| C.3 a                         | Release of Cadmium -Glazed Tilest <sup>u)</sup>                                   | X               | X               | X               | X               | EN ISO 10545-15   |
| C.3 b                         | Release of Lead -Glazed Tilest <sup>u)</sup>                                      | X               | X               | X               | X               | EN ISO 10545-15   |
| C.3 c                         | Release of Other Dangerous Substances <sup>u)</sup>                               | X               | X               | X               | X               | As Relevant       |

Ceramic tiles shall be classified into groups according to two parameters: by their method of manufacture (also referred to "shaping") that is, extrusion (method A) or dry-pressing (method B), and by their water absorption level (see 3.9 and Table 1). The groups do not presuppose the usage of the products. The requirements for each product group shall be as given in Annexes A to L.

**Table 1 - Classification of ceramic tiles with respect to water absorption and shaping**

| Shaping                 | Water Absorption ( $E_b$ )                                       |   |   |  |
|-------------------------|--|---|---|--|
|                         | Group I<br>$E_b \leq 3\%$  | Group II <sub>a</sub><br>$3\% < E_b \leq 6\%$           | Group II <sub>b</sub><br>$6\% < E_b \leq 10\%$          | Group III<br>$E_b > 10\%$                |
| Method A<br>Extruded    | Group AI <sub>a</sub><br>$E_b \leq 0.5\%$<br>(see Annex L)       | Group AII <sub>a-1</sub> <sup>a)</sup><br>(see Annex B) | Group AII <sub>b-1</sub> <sup>a)</sup><br>(see Annex D) | Group AIII<br>(see Annex F)              |
|                         | Group AI <sub>b</sub><br>$0.5\% < E_b \leq 3\%$<br>(see Annex A) | Group AII <sub>a-2</sub> <sup>a)</sup><br>(see Annex C) | Group AII <sub>b-2</sub> <sup>a)</sup><br>(see Annex E) | Group BIII <sub>b</sub><br>(see Annex K) |
| Method B<br>Dry-pressed | Group BI <sub>a</sub><br>$E_b \leq 0.5\%$<br>(see Annex G)       | Group BII <sub>a</sub><br>(see Annex I)                 | Group BII <sub>b</sub><br>(see Annex J)                 |  |
|                         | Group BI <sub>b</sub><br>$0.5\% < E_b \leq 3\%$<br>(see Annex H) |   |   |  |

a) Groups AII and AII<sub>b</sub> are divided into two parts (parts 1 and 2) with different product specifications. Part 1 covers most of the tiles in the group; part 2 covers certain specific products, which are manufactured under different names (e.g. terre cuite in France and Belgium, cotton in Italy, and baldosin Catalan in Spain).

b) Group BIII covers glazed ceramic tiles only. There is no quantity of dry-pressed unglazed tiles produced with water absorption greater than 10% that is not covered by this product group.

## Requirements for Dry-pressed Ceramic Tiles With Low Water Absorption of GROUP BI<sub>a</sub> (E<sub>b</sub> ≤0.5%)

Requirements for Dimension and Surface Quality and for Physical and Chemical Properties of this Group of Ceramic Tiles Shall be in Accordance With Table G.1

Table G.1 - Requirements for Dry-pressed Ceramic Tiles with Low Water Absorption, GROUP BI<sub>a</sub> (E<sub>b</sub> ≤0.5%)

| CHARACTERISTICS  | Requirements for Nominal Size N  |           |         | Test Method    |
|--|--|-----------|---------|----------------|
|  | 7 cm < N < 15 cm   | N ≥ 15 cm |         |                |
|  | (mm)   | %         | (mm)    |                |
| <b>A) DIMENSIONS AND SURFACE QUALITY</b>   |  |           |         |                |
| A.1 LENGTH AND WIDTH   |  |           |         |                |
| The Work Size Shall be Chosen as Follows for :   |  |           |         |                |
| a) Modular Tiles :   | In order to allow a nominal joint width of between 2 and 5mm                                 |           |         | -              |
| b) Non -modular Tiles :  | So that the difference between the work size and normal size is not more than 2% (max 0.5mm) |           |         | -              |
| The Permissible Deviation of the Average Size for the Each Tile (2 or 4Sides) From the Work Size (W) | +0.9 mm  | ±0.6%     | ±2.0 mm | EN ISO 10545-2 |
| A.2 THICKNESS  |  |           |         |                |
| a) The Thickness Shall be specified  | Declared thickness   |           |         | -              |
| b) The Permissible Deviation ,of the Average Thickness of Each Tile from the Work Size Thickness     | +0.5 mm  | ±5%       | +0.5 mm | EN ISO 10545-2 |
| A.3 STRAIGHTNESS OF SIDES (Facial Sides)   |  |           |         |                |
| The Maximum Permissible Deviation from Straightness, Related to the Corresponding Wok Size           | +0.75 mm   | ±0.5%     | +1.5 mm | EN ISO 10545-2 |
| A.4 RECTANGULARITY <sub>b</sub>  |  |           |         |                |
| The Maximum Permissible Deviation from Rectangularity, Related to the Corresponding Work Size        | +0.75 mm   | ±0.5%     | +2 mm   | EN ISO 10545-2 |
| A.5 SURFACE FLATNESS   |  |           |         |                |

- a Requirements for these characteristics are given in Annex A to L.
- b Not applicable for ceramic tiles having curved shapes.
- c For floorings only.
- d For walls only.
- e See N.2.2.
- f For ceramic tiles which intended use is subject to localized thermal shock
- g For glazed ceramic tiles only.
- h For ceramic tiles that are intended to be used where frost may apply.
- i For floorings on pedestrian circulation areas (where required are regulation).
- j Unless a different test method is required by national regulations in the market of the relevant Member State(s) for the intended use, in which case the test method and results shall be declared as given therein.
- k For walls when performing the test with actual ceramic tiles and suitable adhesive(s) or mortar only.
- l See N.2.3.
- m See N.2.6.
- n See N.2.1.
- o For ceramic tiles intended to be used for internal floorings and for internal and external walls only.
- p For tactile paving surface only i.e. when required for blind or vision impaired persons.
- q See N.2.5.
- r See N.2.4.
- s When relevant, see Notes 1 and 2 in ZA.1 for the release of other dangerous substances, if any.
- t For glazed ceramic tiles only, when intended to be used on worktops and on wall surfaces where food preparation takes place and food may be in direct contact with the glazed tile surface. As indicative limits, reference could be made to Direct 2005/31/CE.

NOTE 1 Characteristics given in this table in "plain" text are relevant to all intended uses, while those in "italics" are additionally relevant for the specific intended use(s) only.

NOTE 2 Characteristics, given in this table in "bold" text, are the mandated essential characteristics or the corresponding proxy characteristics (for CE marketing, see Annex ZA) and those in "normal" text, the voluntary characteristics (not for CE marketing).

| CHARACTERISTICS   | Requirements for Nominal Size N  |           |       | Test Method                       |
|---|--|-----------|-------|-----------------------------------|
|   | 7 cm < N < 15 cm   | N ≥ 15 cm |       |                                   |
|   | (mm)   | %         | (mm)  |                                   |
| b) Edge Curvature, Related to the Corresponding Work Size                                 | +0.75 mm   | ±0.5%     | +2 mm | EN ISO 10545-2                    |
| <b>B) PHYSICAL PROPERTIES</b>   |  |           |       |                                   |
| B.1 WATER ABSORPTION (IN % BY MASS)   | E <sub>b</sub> ≤ 0.5<br>Individual maximum 0.6%                          |           |       | EN ISO 10545-3                    |
| B.2 BREAKING STRENGTH, FOR :  |  |           |       |                                   |
| a) Thickness ≥ 7.5mm  | Not less than 1300N  |           |       | EN ISO 10545-4                    |
| b) Thickness < 7.5mm  | Not less than 700N   |           |       | EN ISO 10545-4                    |
| B.3 FLEXURAL TENSILE STRENGTH OR MODULUS OF RUPTURE <sup>d</sup>                          | Minimum 35N /mm <sup>2</sup><br>Individual minimum 32N / mm <sup>2</sup> |           |       | EN ISO 10545-4                    |
| <b>B) PHYSICAL PROPERTIES</b>   |  |           |       |                                   |
| B.4 ABRASION RESISTANCE   |  |           |       |                                   |
| a) Resistance to Deep Abrasion of Unglazed Tiles : Removed Volume                         | Maximum 175 mm <sup>3</sup>  |           |       | EN ISO 10545-6                    |
| b) Resistance to Surface Abrasion of Glazed Tiles Intended for Use on Floors <sup>e</sup> | Abrasion class and cycles passed   |           |       | EN ISO 10545-7                    |
| B.5 COEFFICIENT OF LINEAR THERMAL EXPANSION   |  |           |       |                                   |
| - From Ambient Temperature to 100 °C  | Declared value <sup>f</sup>  |           |       | EN ISO 10545-8                    |
| B.6 THERMAL SHOCK RESISTANCE  | Pass according to EN ISO 10545-1 <sup>g</sup>                            |           |       | EN ISO 10545-9                    |
| B.7 CRAZING RESISTANCE: Glazed Tiles <sup>h</sup>   | Pass according to EN ISO 10545-1 <sup>g</sup>                            |           |       | EN ISO 10545-11 <sup>h</sup>      |
| B.8 FROST RESISTANCE  | Pass according to EN ISO 10545-1 <sup>g</sup>                            |           |       | EN ISO 10545-12                   |
| B.9 SLIPPERINESS  | Declared value (s) <sup>g</sup>  |           |       | PrCEN /TS 16165:2011 <sup>i</sup> |
| B.10 BOND STRENGTH / ADHESION <sup>j</sup> , FOR :  |  |           |       |                                   |
| a) Cementitious Adhesives <sup>k</sup>  | Declared value (s)   |           |       | EN 12004:2007,4.1 <sup>l</sup>    |

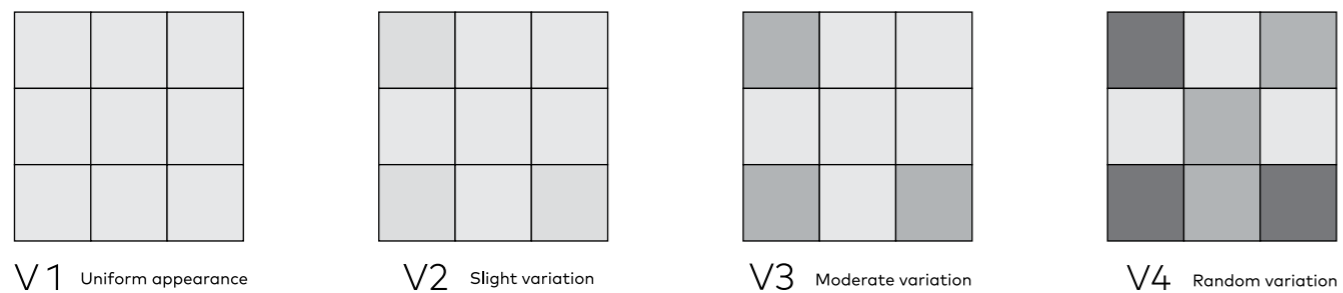
| CHARACTERISTICS  | Requirements for Nominal Size N              |           |      | Test Method                    |
|--|--|-----------|------|--------------------------------|
|  | 7 cm < N < 15 cm                             | N ≥ 15 cm |      |                                |
|  | (mm)   | %         | (mm) |                                |
| b) Dispersion Adhesives <sup>k</sup>                         | Declared value (s)                           |           |      | EN 12004:2007,4.2 <sup>l</sup> |
| a) Glazed Tiles  | ΔE < 0.75                                    |           |      | EN ISO 10545-16                |
| b) Unglazed Tiles  | ΔE < 1.0                                     |           |      | EN ISO 10545-16                |
| B.13 IMPACT RESISTANCE, as:                                  |  |           |      |                                |
| - Coefficient of Restitution (COR)                           | Declared value <sup>f</sup>                  |           |      | EN ISO 10545-5                 |
| B.14 REACTION TO FIRE  | (Class A1 or A1 <sub>FL</sub> ) <sup>m</sup> |           |      | -                              |
| B.15 TACTILITY <sup>n</sup>                                  | Declared surface description <sup>g</sup>    |           |      | CEN /TS 15209 <sup>o</sup>     |
| <b>C) CHEMICAL PROPERTIES</b>                                |  |           |      |                                |
| C.1 RESISTANCE TO STAINING, FOR :                            |  |           |      |                                |
| a) Glazed Tiles  | Minimum class 3                              |           |      | EN ISO 10545-14                |
| b) Unglazed Tiles  | Declared value <sup>f</sup>                  |           |      | EN ISO 10545-14                |
| C.2 RESISTANCE TO CHEMICAL                                   |  |           |      |                                |
| a) Resistance to Low Concentration of Acids and Alkalis      | Declared value <sup>f</sup>                  |           |      | EN ISO 10545-13                |
| b) Resistance to High Concentration of Acids and Alkalis     | Declared value <sup>f</sup>                  |           |      | EN ISO 10545-13                |
| c) Resistance to Household Chemicals and Swimming Pool Salts | Minimum class B                              |           |      | EN ISO 10545-13                |
| C.3 RELEASE OF DANGEROUS SUBSTANCES                          |  |           |      |                                |
| a) Cadmium (in mg /dm <sup>2</sup> )                         | Declared value <sup>g</sup>                  |           |      | EN ISO 10545-15                |
| b) Lead (in mg /dm <sup>2</sup> )                            | Declared value <sup>g</sup>                  |           |      | EN ISO 10545-15                |
| c) Other Dangerous Substances <sup>o</sup>                   | Declared value                               |           |      | As Relevant                    |

- a Similar joint widths may be used to apply to the traditional systems based on non-metric sizes.
- b Not applicable for tiles having curved shapes.
- c Because of firing, a slight variation from the standard color is unavoidable. This does not apply to intentional irregularities of color variation of the face of tiles(which can be unglazed, glazed, or partly glazed) or to the color variation over a tile area which is characteristic of the given tile and desirable. Spots or colored dots which are introduced for decorative purposes are not considered a defect.
- d Not applicable to ceramic tiles with breaking strength > 3000 N
- e Where required, the abrasion class resistance according to Annex M may be declared.
- f See Annex N additional information on applicability.
- g See table 2 for uses where it is applicable.
- h Certain decorative effects may have a tendency to craze. They are to be identified by the manufacturer, in which case the crazing test given in EN ISO 11-10545 is not applicable.
- i Unless a different test method is required by national regulations in the market of the relevant member state(s) for the intended use, in which case the test method and result shall be declared as given therein (as long as consolidated European test method is not available).
- j For intended uses subject to requirements against accidental fall of the object on to transit areas only. Tests are to be performed using the actual tiles and suitable adhesive and/or mortar.
- k For the types of adhesives, defined in EN 12004:2007 only.
- l The proposed test methods are intended to determine the adhesion strength of the adhesive and have not been developed to determine ceramic the characteristics. Thus, there might be no correlation between the declared bond strength and the performance of the tile in use (other factors proper installation techniques and type of background support will influence the final performance).
- m Ceramics, as a homogeneously distributed material used for ceramic tiles, is considered as a material of known and stable performance with respect to the reaction to fire performance as it does not consist of any organic material. As such it does not contribute to the fire and it may be considered without the need for testing (CWT) as the class AT material7. The reaction to the fire performance of ceramic tiles may also be classified also as class AT according to EN ISO 1-13501.
- n For tactile paving surface i.e. when required for blind or vision impaired persons.
- o When relevant, see notes 1 and 2 in ZA.1 for the performance of the product concerning these characteristics, if any to be declared.

## Symbology



### SHADE VARIATION



## Cleaning Products

| TYPES OF DETERGENT<br><small>Where the sale is permitted</small> | SOLVENTS<br><small>(bleach, turpentine, acetone, trichloroethylene, nitro thinner)</small> |       |          | ACIDS<br><small>(muriatic acid, hydrochloric acid, phosphoric acid)</small> |       |          | ALKALINE -BASED DETERGENTS<br><small>(professional alkaline detergents )</small> |       |          |
|--|--|-------|----------|---|-------|----------|--|-------|----------|
|  | Matte  | Satin | Polished | Matte   | Satin | Polished | Matte  | Satin | Polished |
| <b>TYPE OF STAINS</b>  |  |       |          |   |       |          |  |       |          |
| Coffee   |  |       | ■        |   |       |          |  |       |          |
| Lime scail   |  |       |          | ■   | ■     | ■        |  |       |          |
| Tar  | ■  | ■     |          |   |       |          |  |       |          |
| Concrete   |  |       |          | ■   | ■     | ■        |  |       |          |
| Candle wax   | ■  | ■     | ■        |   |       |          |  |       |          |
| Coca Cola  |  |       | ■        |   |       |          |  |       |          |
| Glue   | ■  | ■     | ■        |   |       |          |  |       |          |
| Chewing gum  | ■  | ■     | ■        |   |       |          | ■  | ■     |          |
| Rubber marks from tyres or shoes                                 | ■  | ■     | ■        |   |       |          |  |       |          |
| Grease ,Oil  |  |       |          |   |       |          | ■  | ■     | ■        |
| Ink  | ■  | ■     | ■        |   |       |          |  |       |          |
| Nicotine   | ■  | ■     | ■        |   |       |          |  |       |          |
| Felt -tip pen  | ■  | ■     | ■        |   |       |          |  |       |          |
| Tomato   |  |       | ■        |   |       |          |  |       |          |
| Resins   | ■  | ■     | ■        |   |       |          |  |       |          |
| Rust   |  |       |          | ■   | ■     | ■        |  |       |          |
| Nail varnish   | ■  | ■     | ■        |   |       |          |  |       |          |
| Cigarette burns  |  |       |          | ■   | ■     | ■        |  |       |          |
| Tea  |  | ■     | ■        |   |       |          |  |       |          |
| Wall point   | ■  | ■     | ■        | ■   | ■     | ■        |  |       |          |

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