

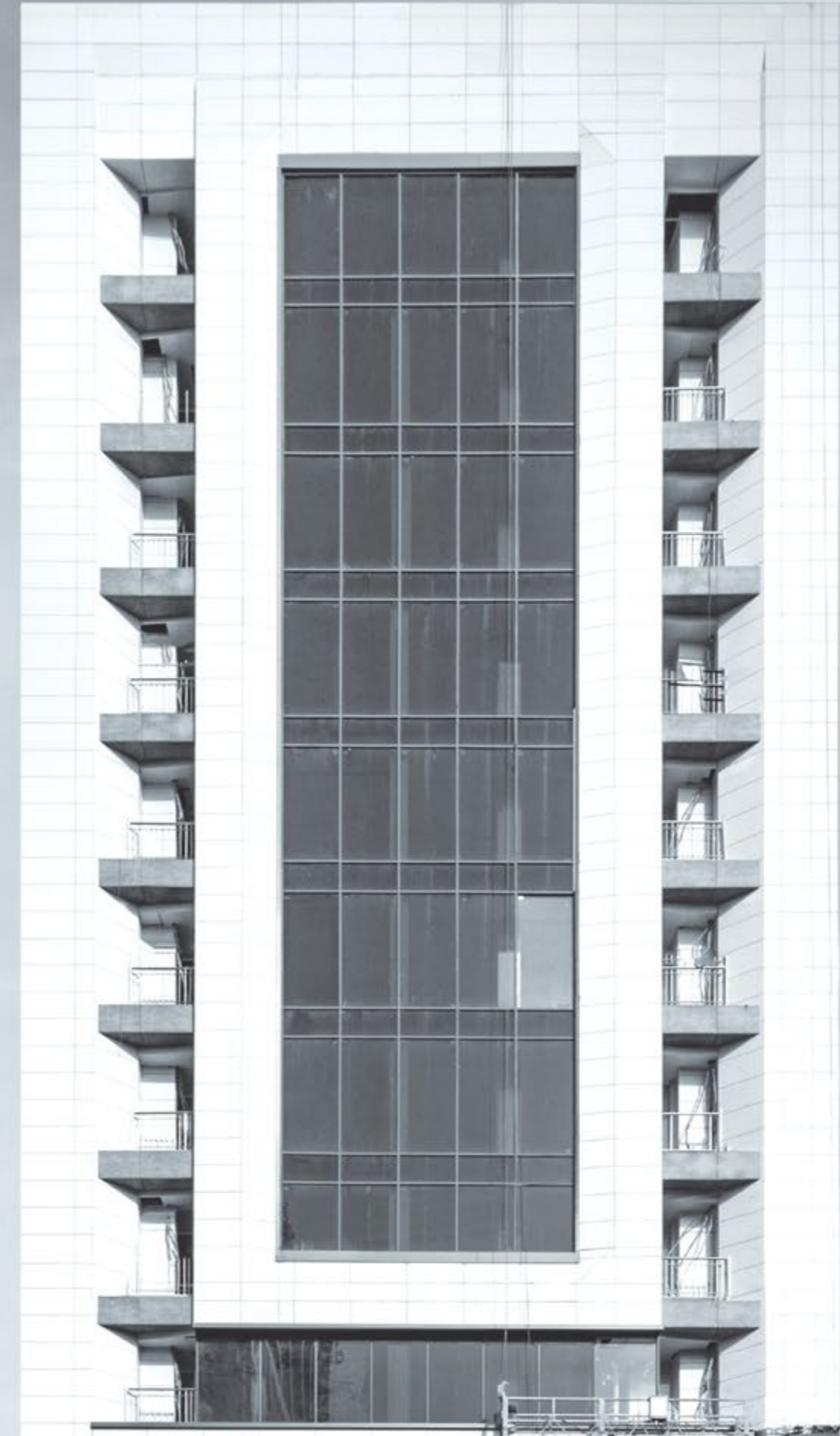
FAÇADE CATALOG 2026

PMA
CERAMIC

IMPERIO
DE CERÁMICA

PISHGAMAN MEMARI ARYA has been established in 2008, started its activities by producing porcelain ceramics in OEM (Original Equipment Manufacturer) under its own brand of PMA. Believing in the value of investing in HR, all sales forces of the company, are selected among graduated CIVIL ENGINEERS with side operational experiences and have been trained in several different fields. PMA has Enriched its customers need cognition by large and wide connection with the country's be and reliable consultant companies and Architectural offices. After the recognition of customer needs, most trended designs are selected from well-known Italian design ateliers finalized by high-quality raw materials, machinery, and technology. All products are real porcelain, producing as full-body porcelain. Different range of porcelain ceramics producing in sizes 20x120, 60x120, 80x160, 120x240, 120x280 cm carefully monitored by PMA's QC team. These products are appropriated for different application areas. All products in PMA obtained ISIRI CERAMICS together with Europe CE. In addition, PMA is sampling randomly among its production and sending them to different qualified LAB such as Road, Housing & Urban Development Research Center, SAM institute Turkey, all reports are recorded. Product Selection Consulting Services are provided by our Sales Forces, considering Customer's need, situation, Project Fields of Application & Products technical characteristics. To enhance the quality of our services after delivering the goods, all sales forces with the support of the technical support department provide different services such as technical visits during project execution, case assistance according to customers need. All projects subject to heavy traffic with specific usage are supported by our technical assistance in order to improve their maintenance while periodic visits. PMA has set its mission, based on Training & Learning. In this regard, has organized related seminars and workshops.

WE WILL ALWAYS BE THERE, FOR YOU



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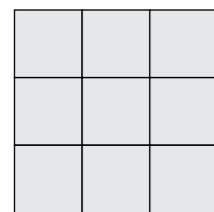
PORCELAIN TILES

DEEP	MOUNTIAN	053
	METAL WIND	057
STONE	NATIVE	089
	STONETECH	093
	RIVEN SLATE	
	ROMANO	101
		097
MARBLE	PANTHEON MARBLE	061
	CALACATTA SILVA	069
	NERO MARQUINA	065
METAL	OXIDE	107
CEMENT	MICROCEMENT	073
	BETON ART	085
	NATURAL CONCRETE	079
WOOD	MAXIWOOD	111
MONO COLOR	MONOCOLOR WHITE	115

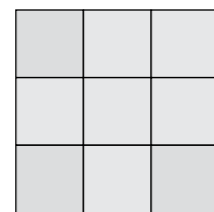
Symbology

Standards

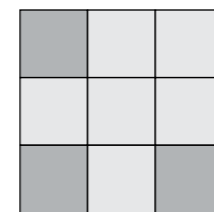
SHADE VARIATION



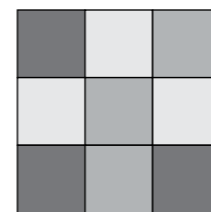
V1 Uniform appearance



V2 Slight variation



V3 Moderate variation



V4 Random variation



Frost resistance



Stain resistance



Deep abrasion resistance



Chemical resistance



Thermal shock



Breaking strength



Low water absorption



ISO 9001

ISO 9001 is the international standard for quality management system



8906997838

Institute of Standards and Industrial Research of Iran



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.



European standard that defines terms and specifications of ceramic tiles



Seramik Araştırma Merkezi
Turkish Ceramic Research Center
Standard testing laboratory



Ministry of Road & Urban Development
Road, Housing & Urban Development
Research Center



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.

Why Read the Catalog

Quick and easy, this text is an introductory method for PMA façade products this Catalog has been dabbed with the aim at making it easier to work with the ceramic tile as a façade material and ponder over its advantages, and the question how to install PMA porcelain ceramic tile to rug a façade and outdoor-and-under-circumstances surfaces as for an independent substantial frame, making the edifice elements easy-to-work with and glance-catching as well. Continue reading to know more.



Pishgaman Memari Arya

Pishgaman Memari Arya, PMA, is a multi-core company that has developed a wide spectrum of products and services in the field of ceramic industry, operated by more than a hundred experts. The production of ceramics and porcelain slabs, as well as adhesives and building chemicals, and as a new-brand product the ceramic furniture are the axis of PMA activities in order to build state-of-the-art properties at the present day.

PMA in this respect, supply porcelain ceramic tile façade for high-tech and ventilated surface systems; these products have many uses for the building surface industry—discussed further. As a matter of fact, PMA plays the role of consultant and designer for customers, developers, mass construction agents and contractors. These diverse products, considering the imitation of natural materials, and glazed colors as desired allow builders and architects to provide an exhaustive beauty of building facades with items that have high durability and endurance, providing a natural ventilation for the large areas inside in a high-end way. The employees are all selected from among the elites and graduates of the best universities in Iran and the world, and they are highly-adept at many production and sales procedures and resolving the technical issues all. All the products of PMA are produced in the OEM way and are controlled by the company's dedicated QC team in the quality assurance package during the production and adjustment stages. Moreover, PMA Company with thirteen separate working field, and a unique crew of designers and engineers and digital trade brains, always seeks to provide premium products and services to its customers for unique façade building. The expert team of this organization is among the holders of post-graduate degrees from among the best university graduates from master's and doctorate degrees, and they are busy doing assigned work in all seasons, offering highly-advisable consultations. This organization with its twenty-nine dedicated showrooms and active representatives across the counties of Iran, Iraq, the United Arab Emirates, Pakistan, Azerbaijan and South Korea are ready to provide premium products and services at the international level.

— We are rooting for you!

The First in Facade Construction

Our Organization has an honor-and-fortune opportunity to introduce itself as the first provider and supplier of porcelain ceramic façade tile to compose absolutely variable building elevations from a desert climate in Dubai to rainy cities in Asia the South East—being first is not always an accident.

PMA is the comprehensive reference of all projects in various applications and supplier of more than seven million square meters of porcelain ceramic sophisticated façade. The protective and beautiful layer of façade through our tiles will be an advantage for towers and commercial complexes.

This success has been achieved at the mercy of cooperation with 30 specialized design groups, a two-way and complicated technology of consultation, as well as dry execution operators, and 25 mortar installation execution teams have the largest resume of private and national landmark projects in Iran's ceramic industry.

— We are optimizing the tile installation process day-by-day for the better...!





Impenetrable, porcelain ceramics are one of the best options to compose a sophisticated facades for skyscrapers and big edifices. This sort of building material, due to its qualities mechanical resistance, hardness and translucency etc. will be able to provide a durable and eye-catching surface coverings for the exterior and the industrial building surfaces.

Having been compatible with different climates as well, this material is good at design a ventilated façade system. To put it shorter way, having a high compression compared to other sorts, ceramic tiles whose absorption percentage is less or even equal to 0.5% by mass called porcelain tiles.

Another reason for the popularity of this type of ceramic is its alignment with the manifestation of nature. Today, it is no secret that urban style is a form of green architecture. Such a Façade can also give you the most luxurious stance of the 21st century, along with cement vases of bamboos; so, welcome to the new millennium!

Be contemporary...!

Porcelain Ceramic

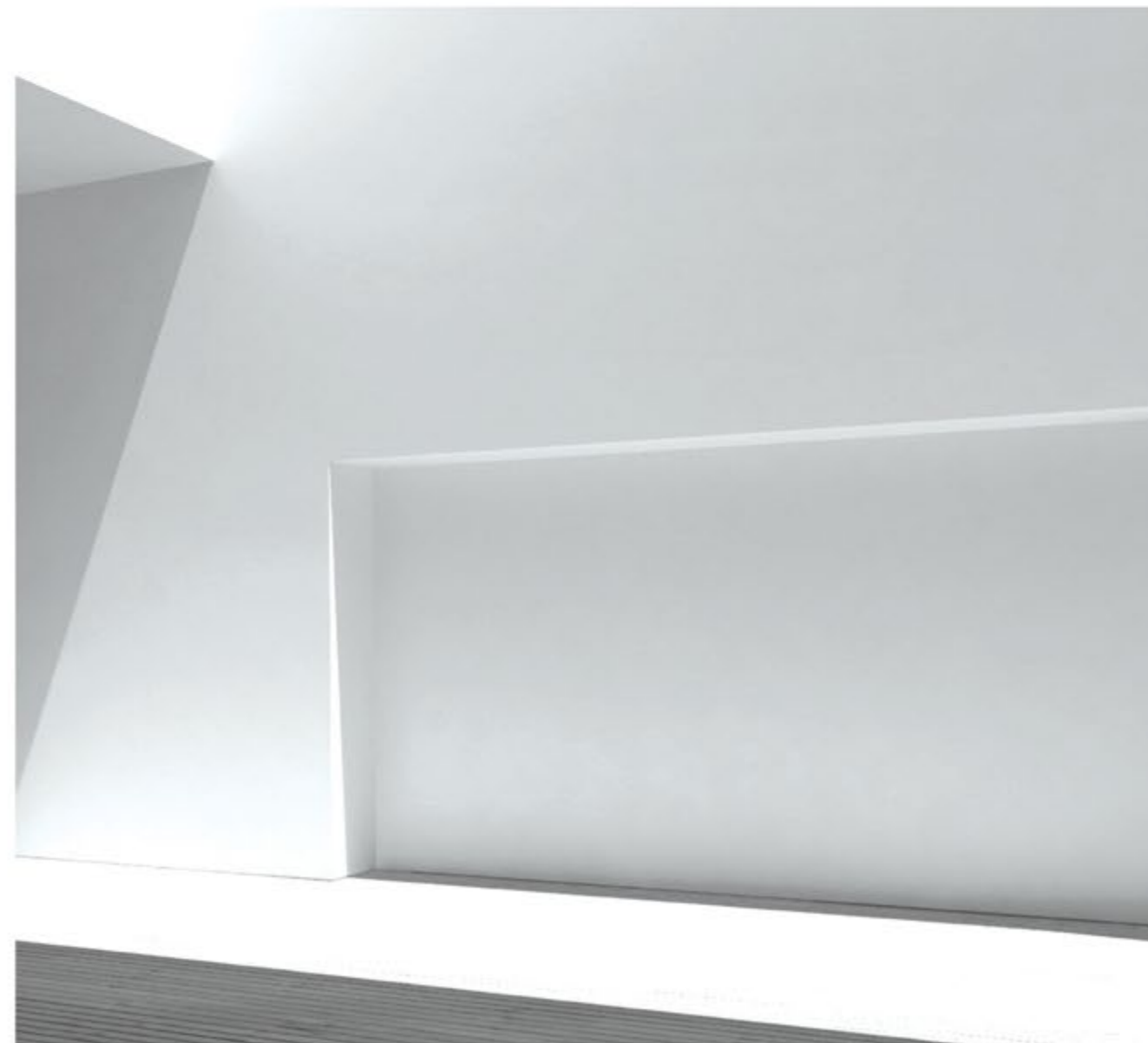
Advantages of Porcelain Tile and Slabs

Porcelain ceramic is a long-term solution that affects almost all other elements of the space, and has a wide spectrum of colors and designs, sizes and patterns. Plus, Porcelain slabs have many advantages, that include:

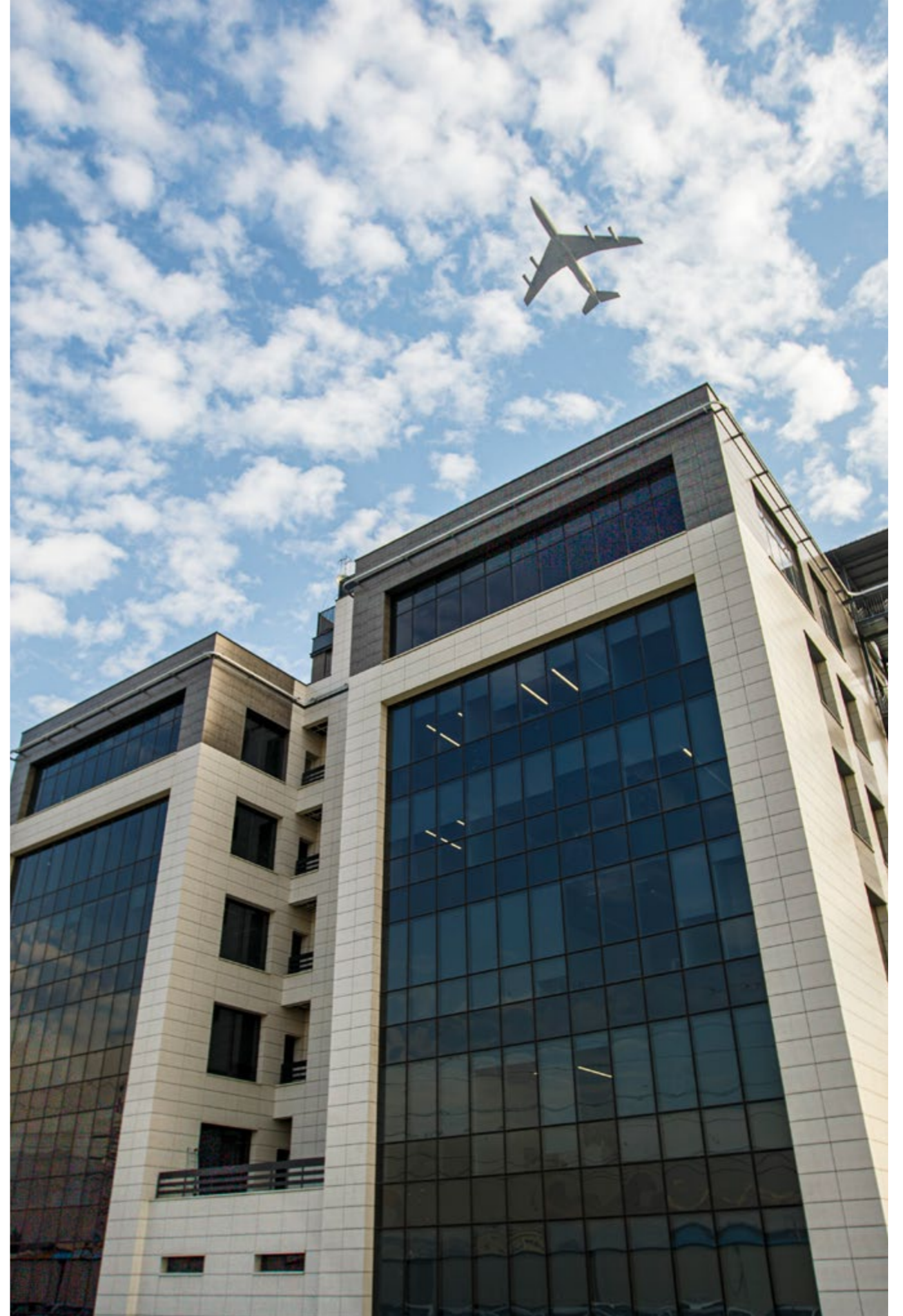
- High material resistance;
- Beautiful designs;
- Easy-to-install and clean in sky scrapers;
- Resistant to atmospheric factors and the sun UV rays;
- Weather-resistant;
- Natural ventilation;
- Insulation, control of energy costs and climate;
- Interchangeable and can be completely dismantled;
- Optimizing building energy consumption;
- Frost resistance and climate shocks;
- Durability and resilience in bad weather.

In fact, and more explicitly, since the texture on the glaze is slightly porous, this material is resistant to rapid weather changes, and mass contraction and expansion. In comparison to concrete slabs, porcelain pavers are more reasonable and easy-to-work with by far.

— *evidence confirms our quality...*



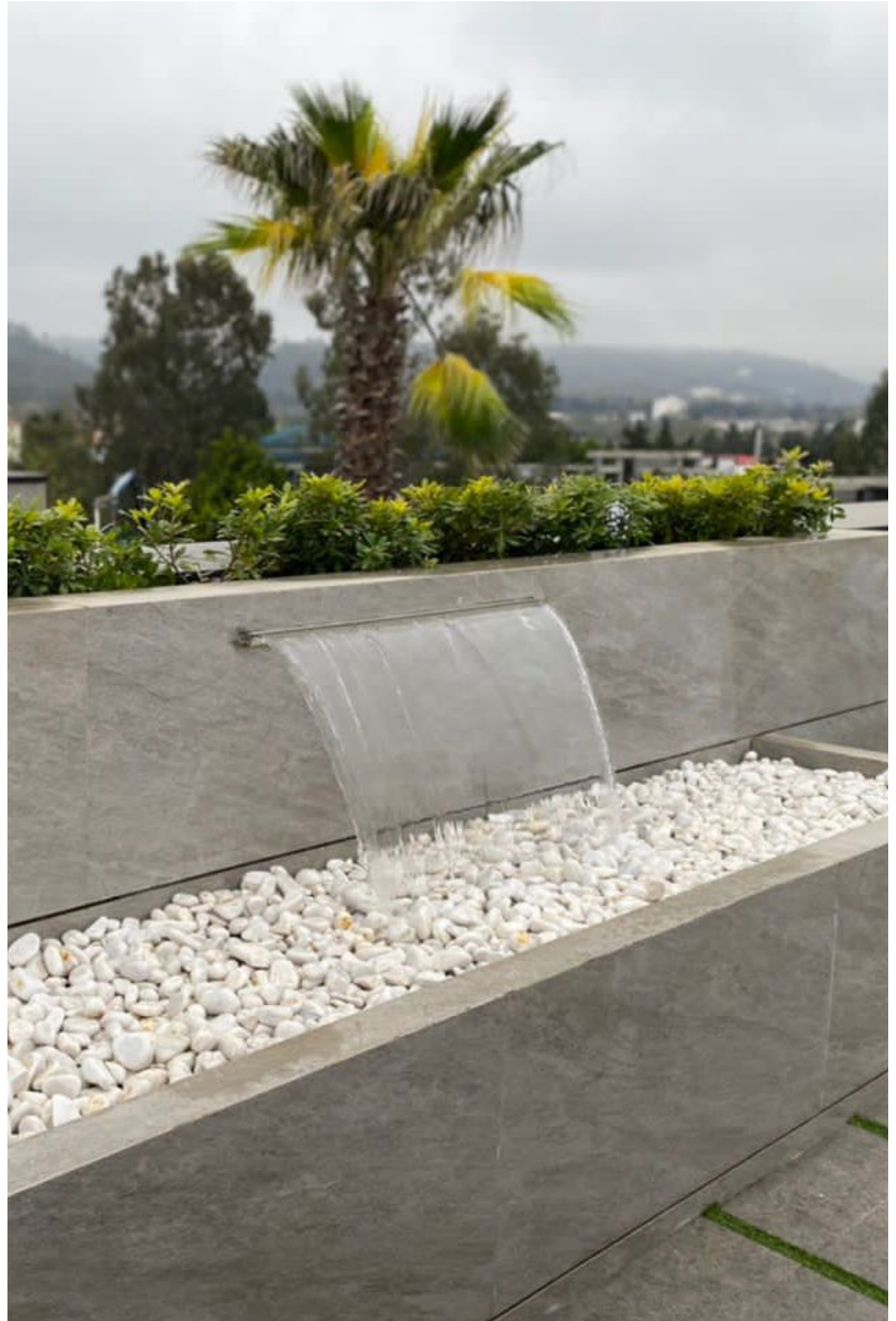
PMA
Façade
Project



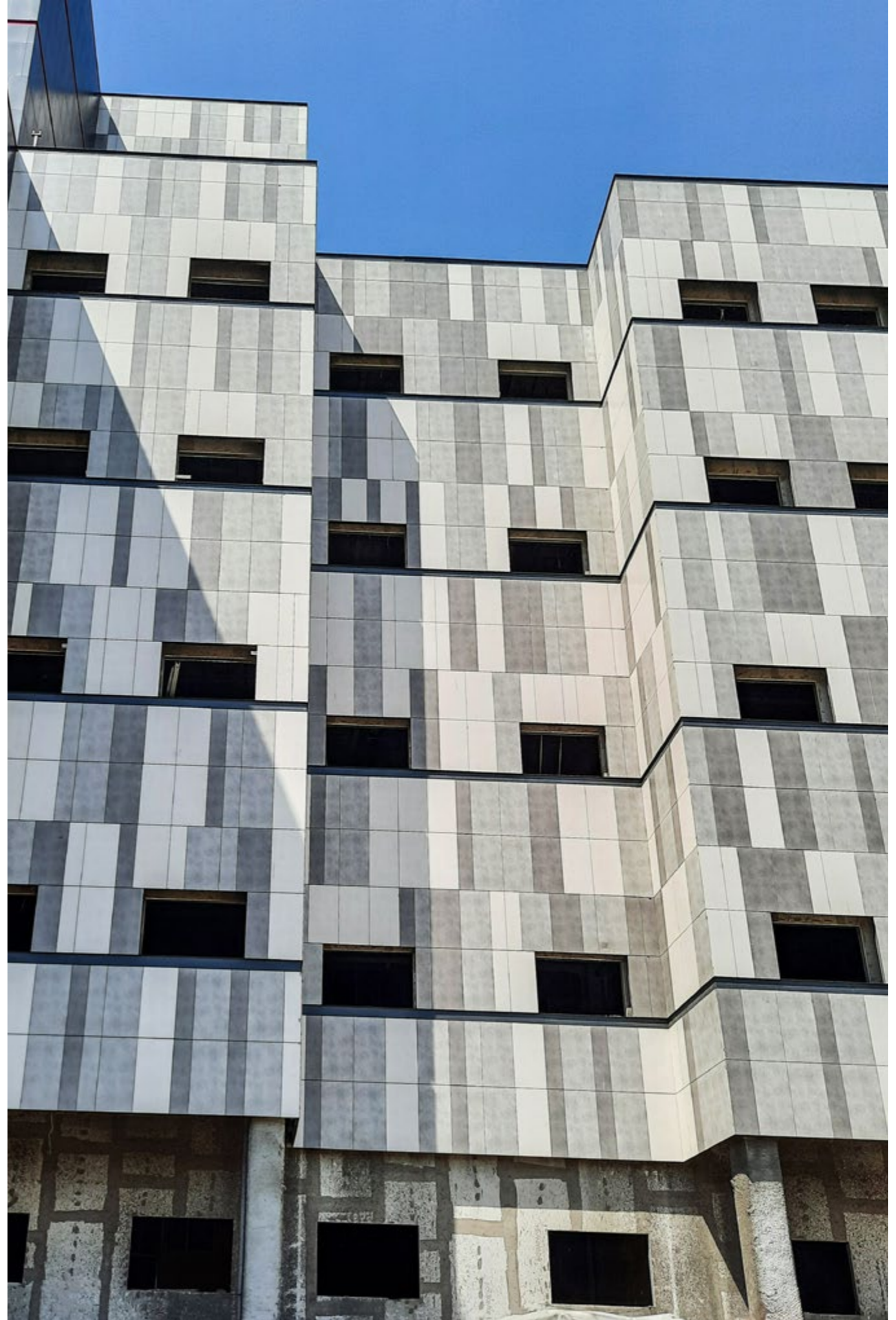


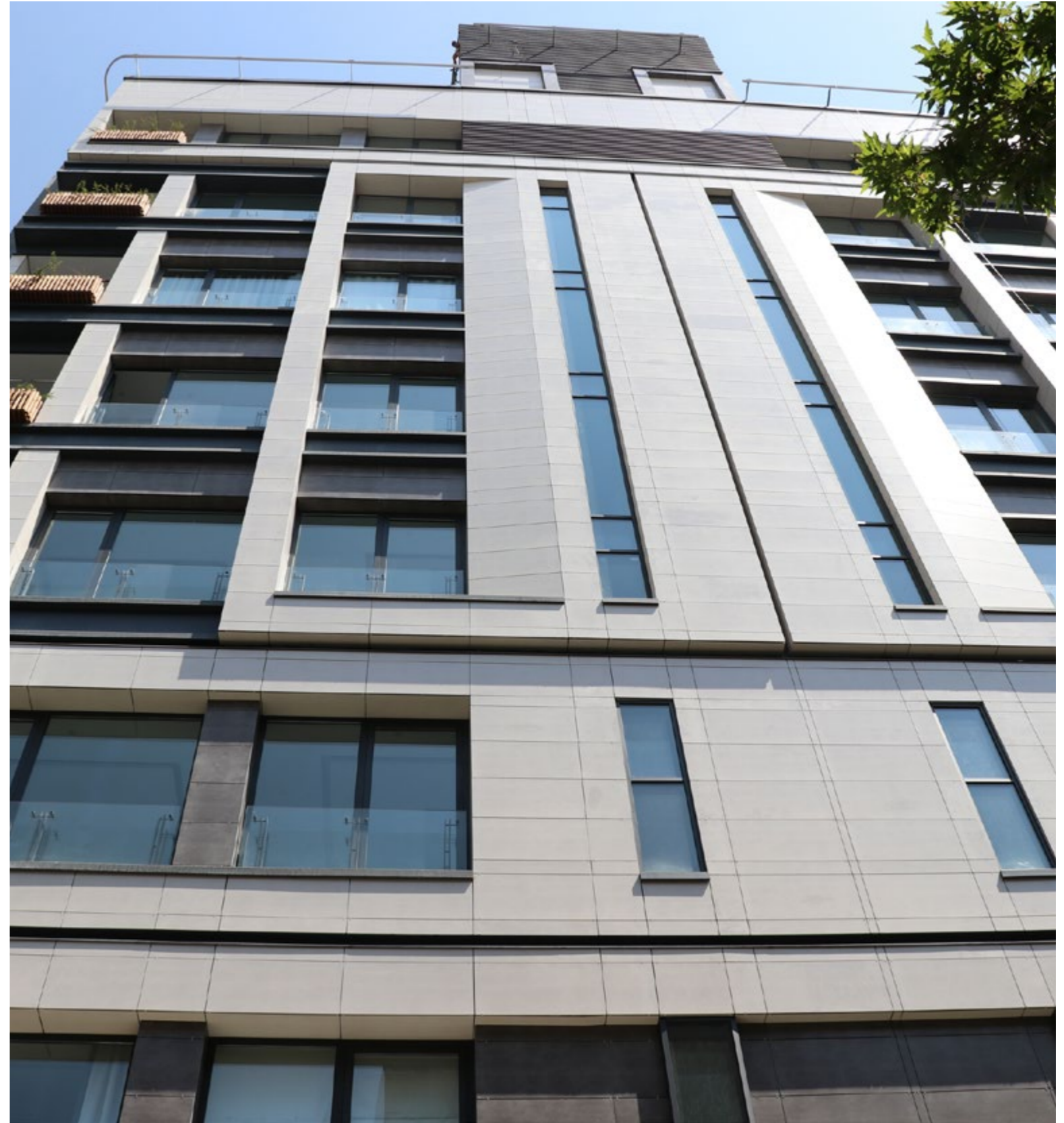








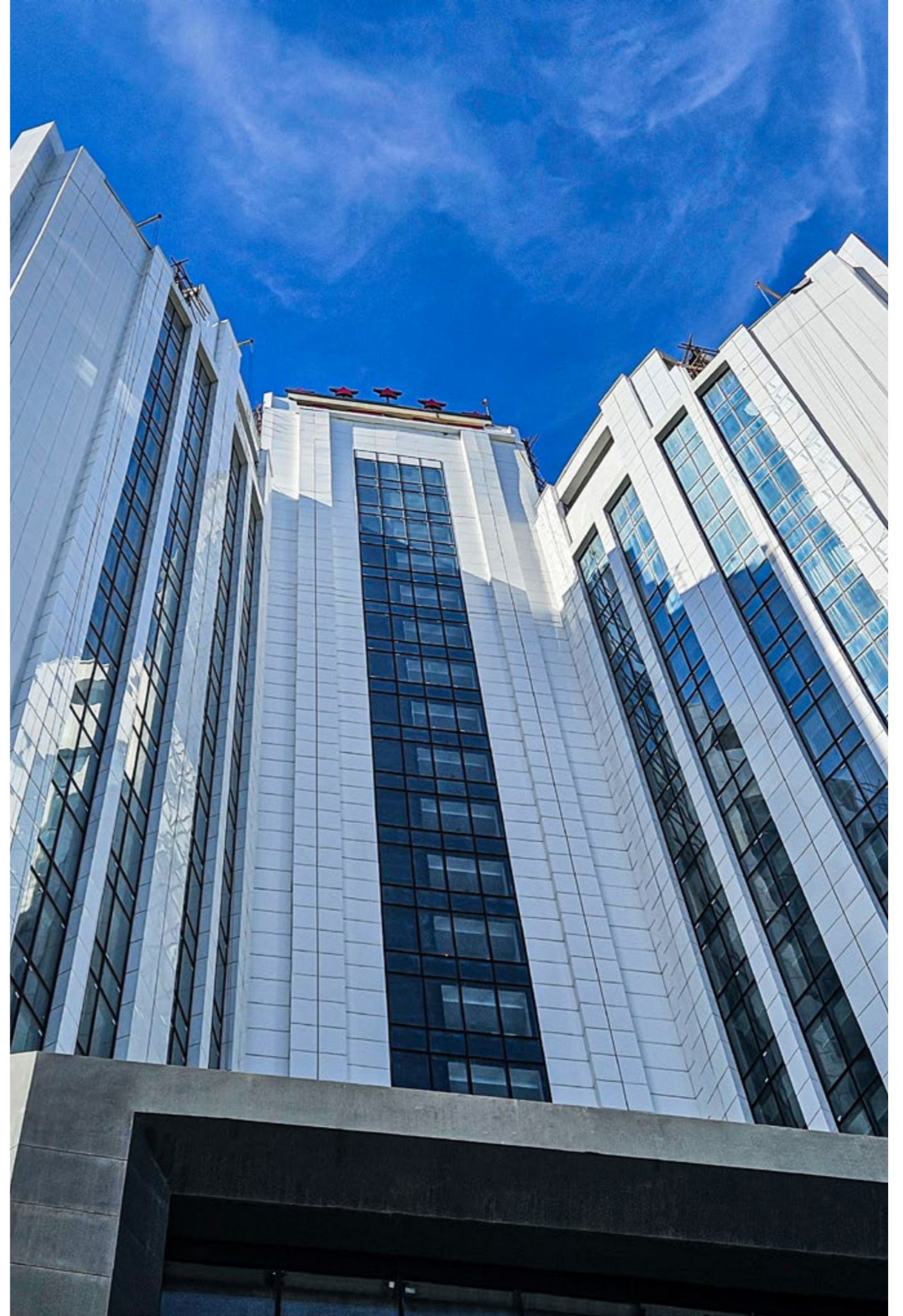




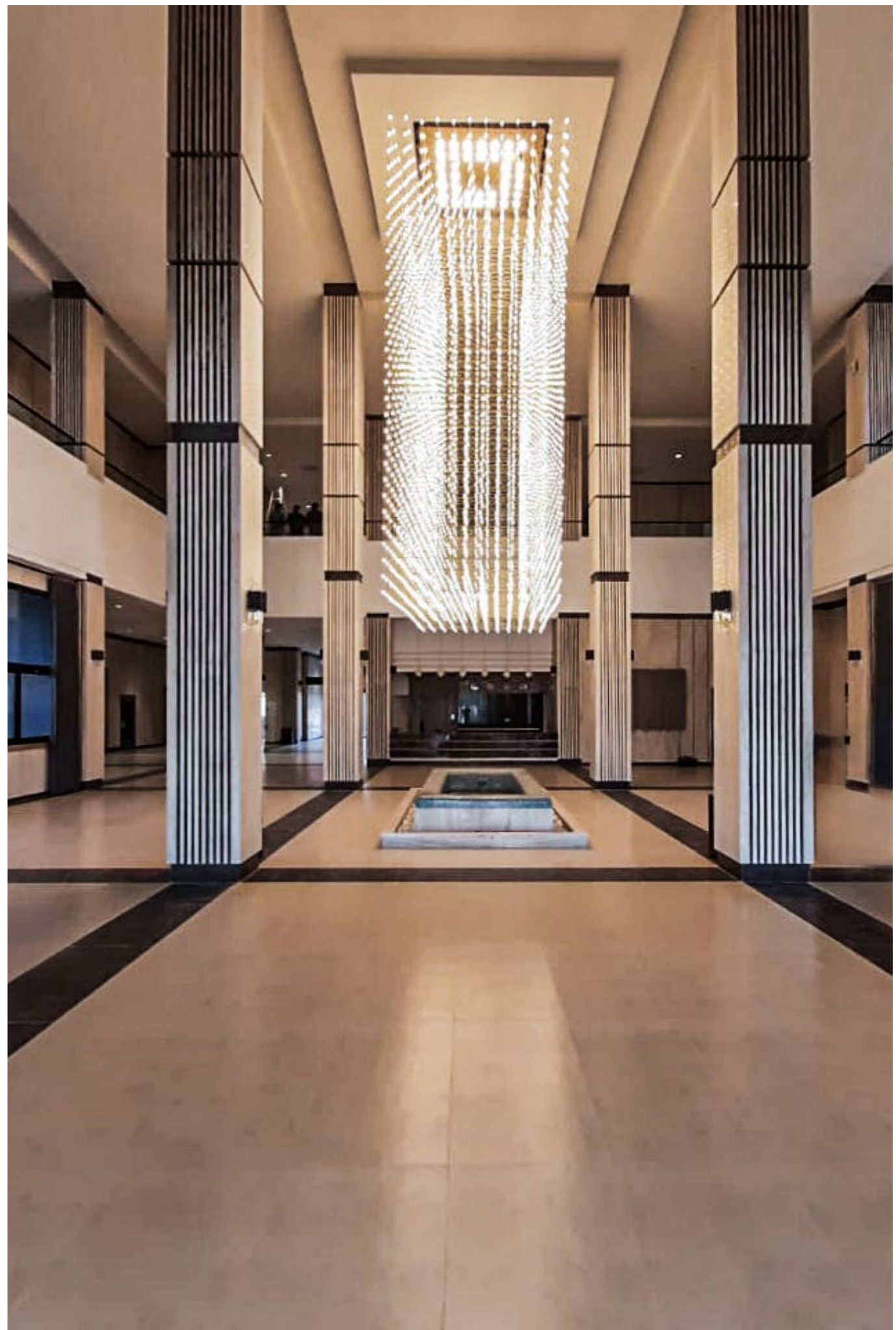


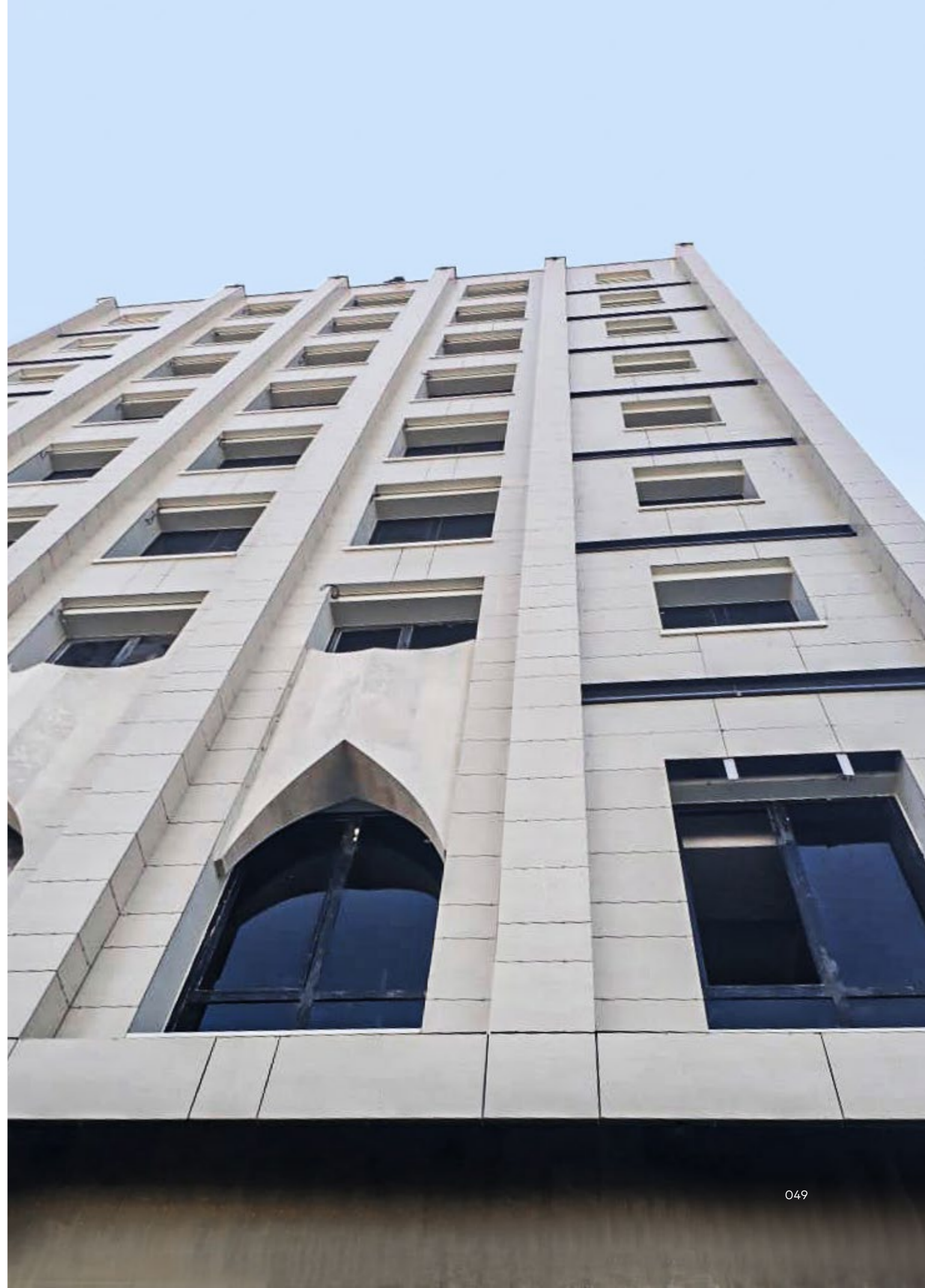








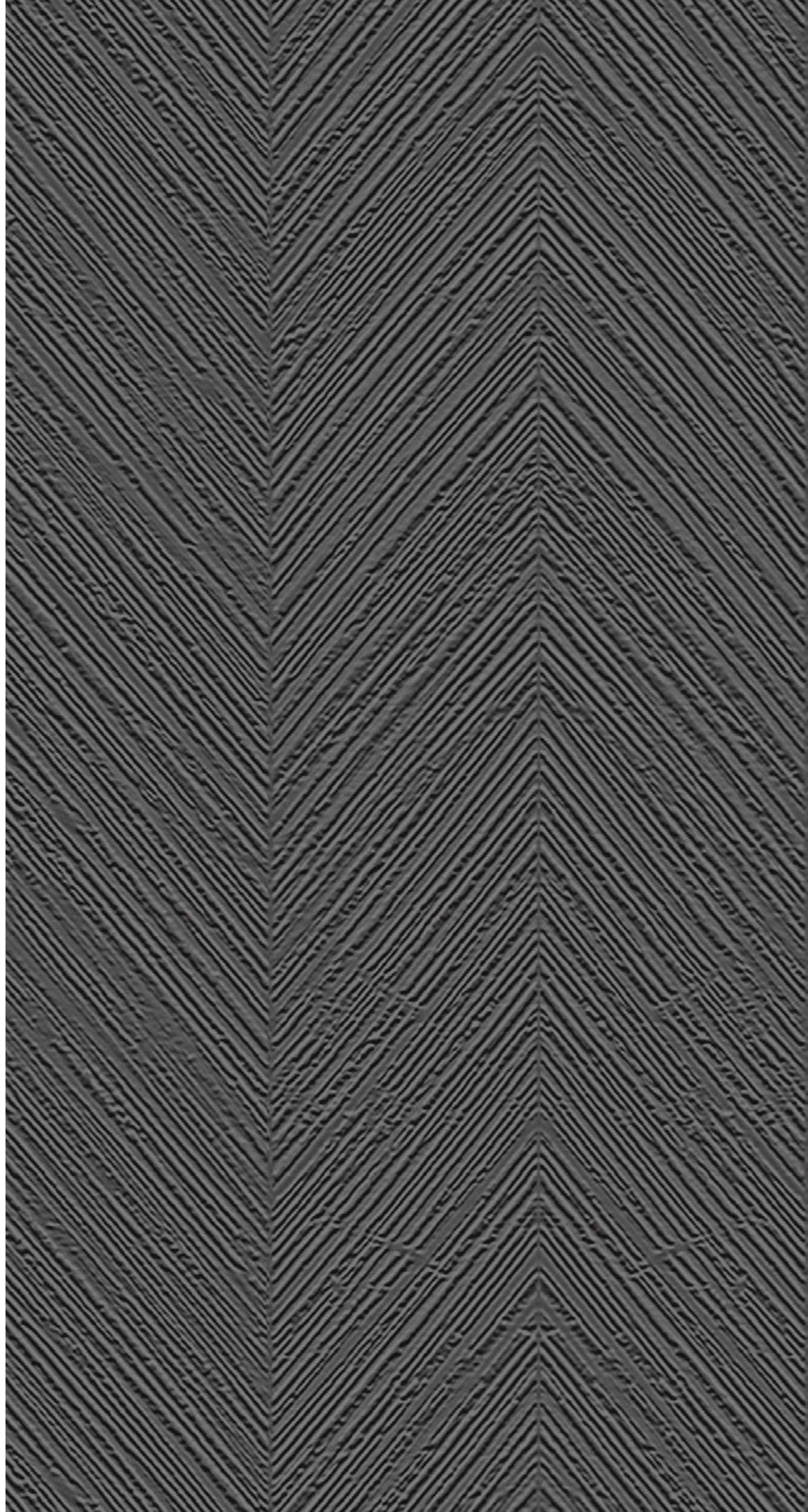




Collections



Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



SILVER

GRAPHITE

COAL



DEEP

MOUNTIAN

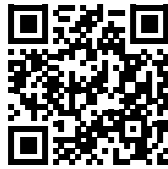
COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
SILVER	Matte					
	Semi Polished					
	Galaxy Relief					FGM-L5400
GRAPHITE	Matte					
	Semi Polished					
	Galaxy Relief					FGM-L5405
COAL	Matte					
	Semi Polished					
	Galaxy Relief					FGM-L5410

INSTALLATION METHOD	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips					
Keil System					•

MOUNTIAN

The Chevron pattern has been used in construction since Roman Empire. It gives a sense of strength to the base and surface and that makes it trendy in construction design. Mountain relief which is the modern version of chevron pattern contains some details that perfects the texture and creates balance through variety of thickness and depth. The mono-color development of this product in three tonalities, Silver, Graphite and Coal keeps the simplicity and purity of this product while making the shining glitters more vivid and distinctive. This features also demonstrate the depth in this relief which is the especial characteristic of this collection.





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METAL



DEEP

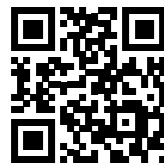
WIND

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
METAL	Matte					
	Semi Polished					
	Relief					FGM-L5435
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips						
Keil System						•

METAL WIND

Metal characteristics such as radiance and resistance evoke a sense of strength and luxury and metallic surface creates a subtle shine all over the space. The striped pattern of Metal's punch relief is trendy, elegant and modern. The creativity in this design is provided by the combination of the wavy lines in the relief with the dancing reflection of light on the uneven surface.





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LIGHT GREY



GREY



ANTHRACITE



MARBLE

PANTHEON MARBLE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
LIGHT GREY	Matte		FGM-R1320			
	Semi Polished					
	Relief					
GREY	Matte		FGM-R1325			FGM-L1325
	Semi Polished					
	Relief					
ANTHRACITE	Matte		FGM-R1330			
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			•

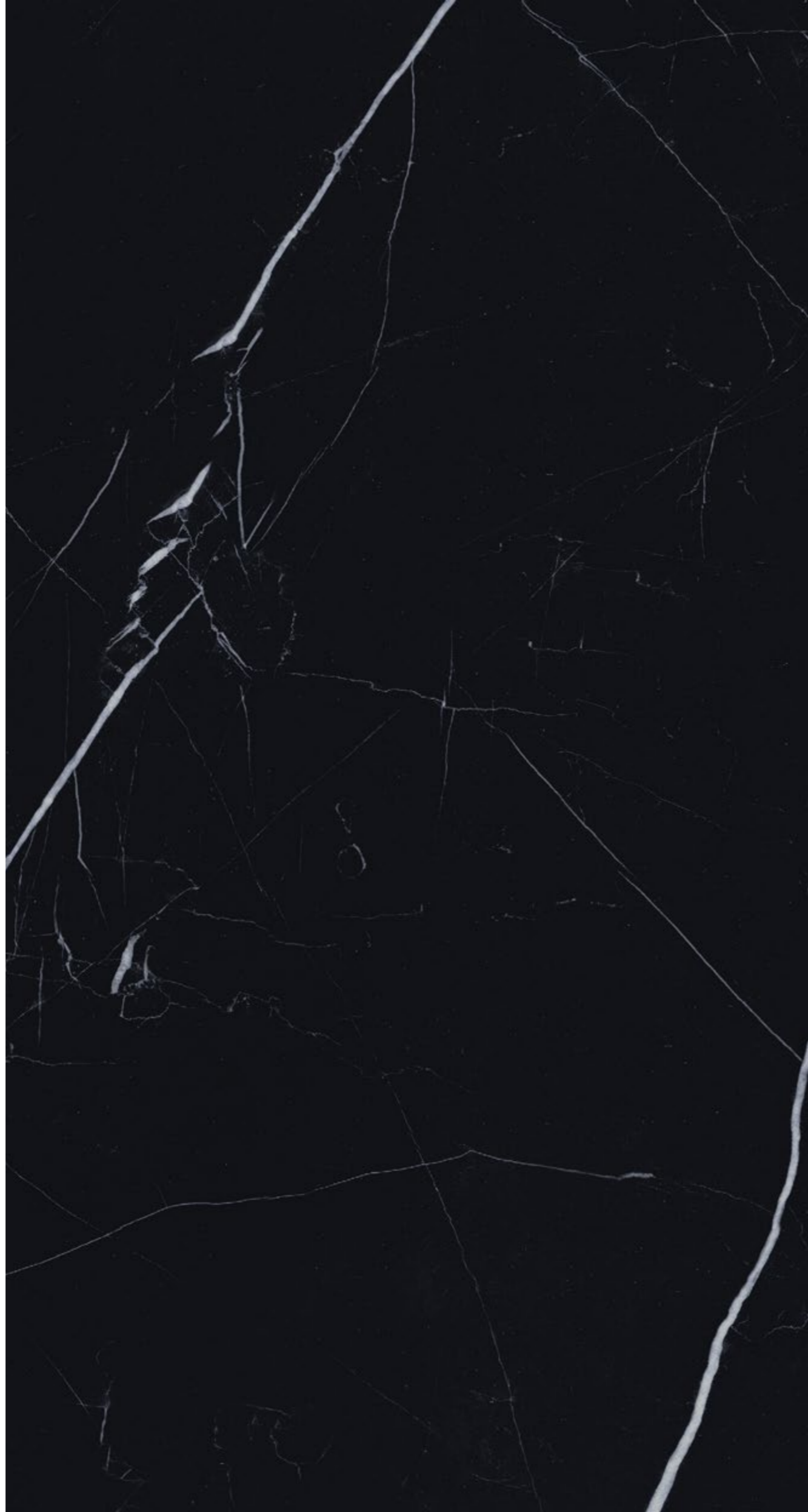
PANTHEON MARBLE

Pantheon 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's design. Pantheon's minimal and modern style gives you the chance of experiencing elegance and luminosity.





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NERO MARQUINA



MARBLE

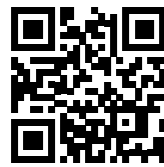
NERO MARQUINA

COLOR BODY	SURFACE	60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
BLACK	Matte	FGM-R5030	FGM-C5030	FGM-A5030	FGM-L5030	FGM-X5030
	Polished	FGPB-R5030	FGPB-C5030		FGPB-L5030	
	Relief					
INSTALLATION METHOD		60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
Visible Clips		•	•			
Keil System		•	•	•	•	•

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 PMA is a full body porcelain slab suitable for ultra –sophisticated settings. Its visual perfection provides a unique visual impact.

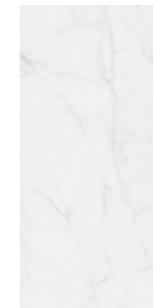




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CALACATTA SILVA



MARBLE

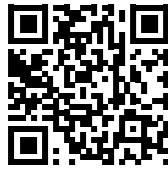
CALACATTA SILVA

COLOR BODY	SURFACE	60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
WHITE	Matte	FGM-R600	FGM-C600	FGM-A5015	FGM-L5015	FGM-X5015
	Polished	FGPB-R600	FGPB-C600	FGPB-A5015	FGPB-L5015	FGPB-X5015
	Relief					
INSTALLATION METHOD		60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
Visible Clips		•	•			
Keil System		•	•	•	•	•

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.





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MILK LATTE TOFFEE SEAL



MILK LATTE TOFFEE SEAL

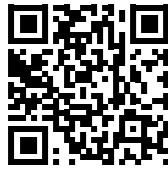


CEMENT

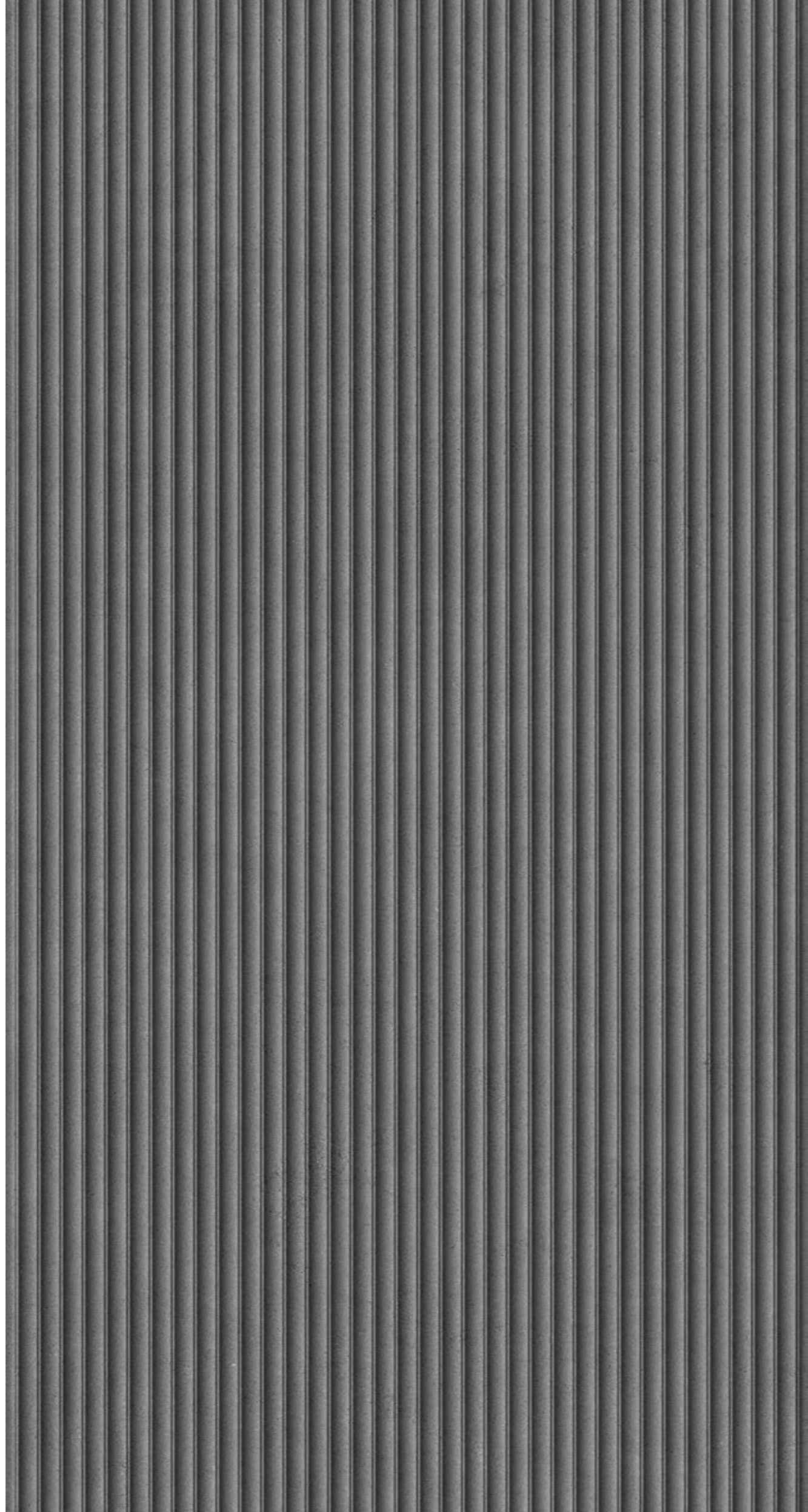
MICROCEMENT

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
MILK	Matte		FGM-R5500			FGM-L5500
	Semi Polished					
	Relief		FGM-R5600			
LATTE	Matte		FGM-R5505			FGM-L5505
	Semi Polished					
	Relief		FGM-R5605			
TOFFEE	Matte		FGM-R5515			FGM-L5515
	Semi Polished					
	Relief		FGM-R5615			
SEAL	Matte		FGM-R5510			FGM-L5510
	Semi Polished					
	Relief		FGM-R5610			

INSTALLATION METHOD	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips		•			
Keil System		•			•

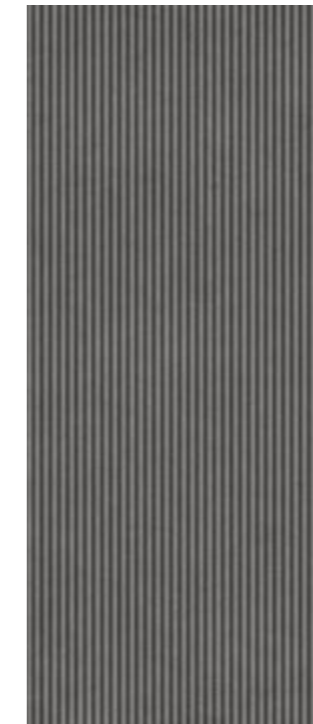


Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



MILK

CHARCOAL



CEMENT

MICROCEMENT

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
MILK	Matte					
	Semi Polished					
	Elarca Relief					FGM-L5550
CHARCOAL	Matte					
	Semi Polished					
	Elarca Relief					FGM-L5555

INSTALLATION METHOD	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips					
Keil System					•

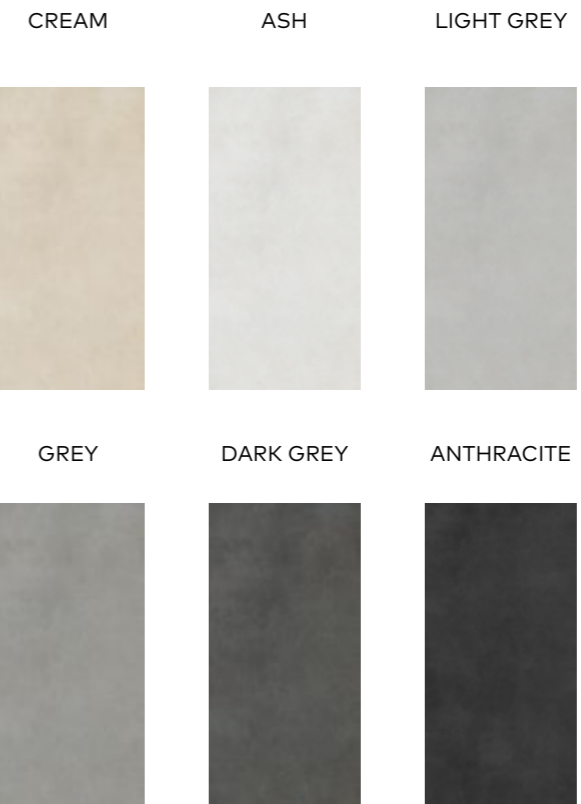
MICROCEMENT

Modern simplicity can be achieved through harnessing natural elements. Microcement creates a singular, integrated and homogenous surface which can be seamlessly woven into any stylish architectural design with its diverse six-color palette. Distinguished Elarca punch which evokes elegance in an arced structure is a unique decorative and creative texture that generates a tactile and visual depth.





Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



CEMENT

NATURAL CONCRETE

COLOR BODY	SURFACE	60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
CREAM	Matte	FGM-R5255				
	Semi Polished					
	Relief					
ASH	Matte	FGM-R5090	FGM-C5090	FGM-A5090	FGM-L5090	FGM-X5090
	Semi Polished					
	Relief					
LIGHT GREY	Matte	FGM-R5200	FGM-C5200	FGM-A5200	FGM-L5200	FGM-X5200
	Semi Polished					
	Relief					
GREY	Matte	FGM-R5095	FGM-C5095	FGM-A5095	FGM-L5095	
	Semi Polished					
	Relief					
DARK GREY	Matte	FGM-R5100			FGM-L5100	
	Semi Polished					
	Relief					
ANTHRACITE	Matte	FGM-R5250	FGM-C5250		FGM-L5250	
	Semi Polished					
	Relief					
INSTALLATION METHOD		60x120 cm	80x160 cm	120x240 cm	120x280 cm	160x320 cm
Visible Clips		•	•			
Keil System		•	•	•	•	•



CEMENT

NATURAL CONCRETE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
COTTO	Matte		FGM-R5265			
	Semi Polished					
	Relief					
RED	Matte		FGM-R5270			
	Semi Polished					
	Relief					
BLUE	Matte		FGM-R5275			
	Semi Polished					
	Relief					
TURQUOISE	Matte		FGM-R5280			
	Semi Polished					
	Relief					
GREEN	Matte		FGM-R5285			
	Semi Polished					
	Relief					
YELLOW	Matte		FGM-R5290			
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			



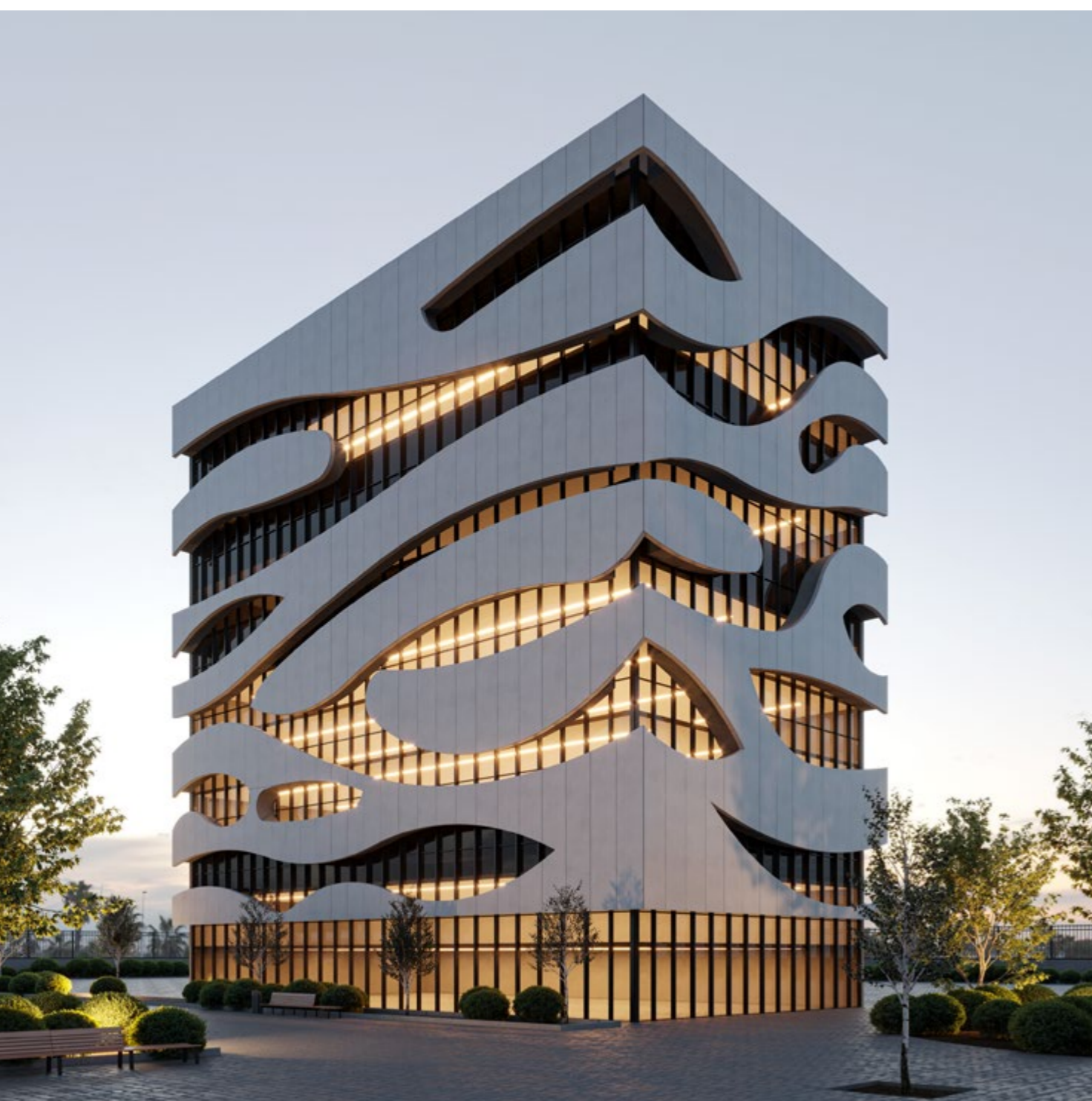
CEMENT

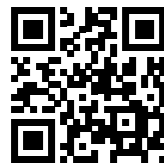
NATURAL CONCRETE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
GARLAND	Matte		FGM-R5340			
	Semi Polished					
	Relief					
CLOUDY	Matte		FGM-R5345			
	Semi Polished					
	Relief					
ORCHID	Matte		FGM-R5350			
	Semi Polished					
	Relief					
ROSE BLUSH	Matte		FGM-R5355			
	Semi Polished					
	Relief					
DESERT	Matte		FGM-R5360			
	Semi Polished					
	Relief					
IVORY	Matte		FGM-R5260			
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			

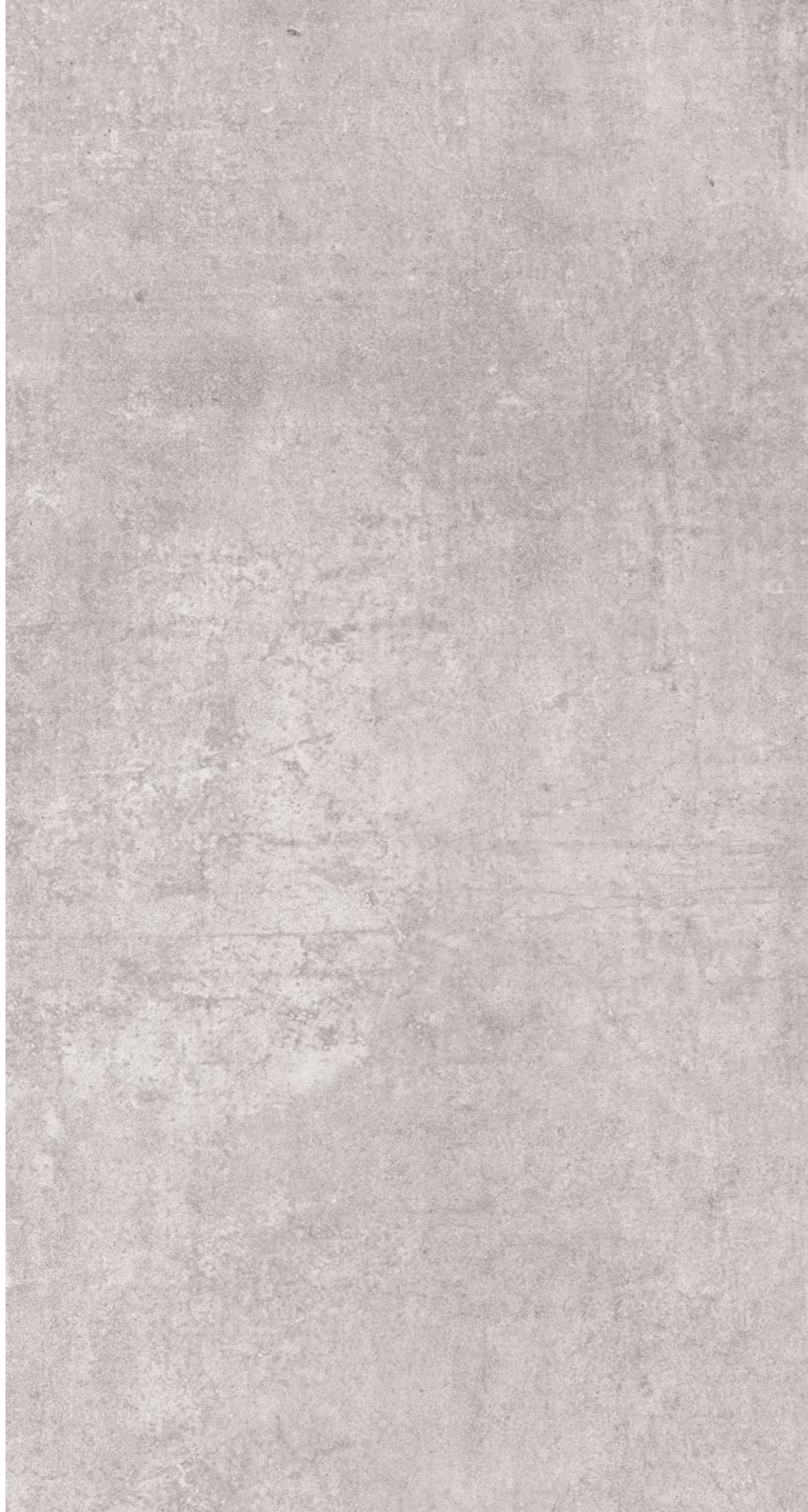
NATURAL CONCRETE

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.





Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



ALABASTER

SMOKE

SHADOW



CEMENT

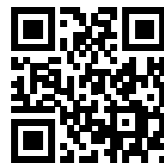
BETON ART

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
ALABASTER	Matte		FGM-R890			
	Semi Polished					
	Relief					
SMOKE	Matte		FGM-R785			
	Semi Polished					
	Relief					
SHADOW	Matte		FGM-R795			
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			

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.





Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



STONE

NATIVE

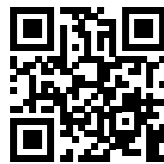
COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
WHITE	Matte					
	Semi Polished					
	Relief		FGM-R1450			
LIGHT GREY	Matte					
	Semi Polished					
	Relief		FGM-R1455			
GREY	Matte					
	Semi Polished					
	Relief		FGM-R1460			
DARK GREY	Matte					
	Semi Polished					
	Relief		FGM-R1465			
BLACK	Matte					
	Semi Polished					
	Relief		FGM-R1470			
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			

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.





Available in other sizes upon demand. In different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



STONE

STONETECH

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
BONE	Matte					
	Semi Polished					
	Relief		FGM-R1190			
LIGHT GREY	Matte					
	Semi Polished					
	Relief		FGM-R1160			
GREY	Matte					
	Semi Polished					
	Relief		FGM-R1165			
COAL GREY	Matte					
	Semi Polished					
	Relief		FGM-R1170			
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			

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.



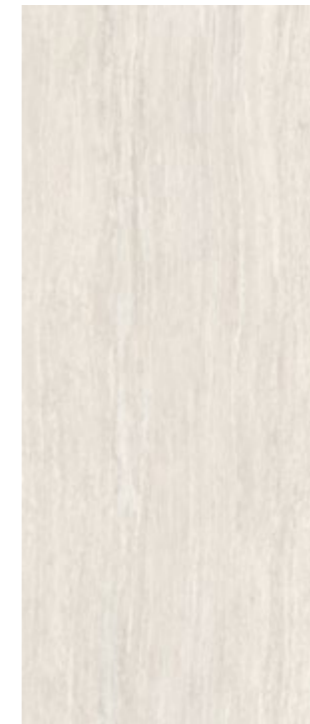


Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



BONE

CREAM



STONE

ROMANO

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
BONE	Matte					FGM-L5530
	Semi Polished					
	Relief					
CREAM	Matte					FGM-L5535
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips						
Keil System						•

ROMANO

Romano reveals the aesthetics of travertine which is a trendy design. The delicate signature streaks and tonal gradients, evoke a visual depth. Romano in cream and bone creates a balance between nature's simplicity and modern possibilities.





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STONE

RIVEN SLATE

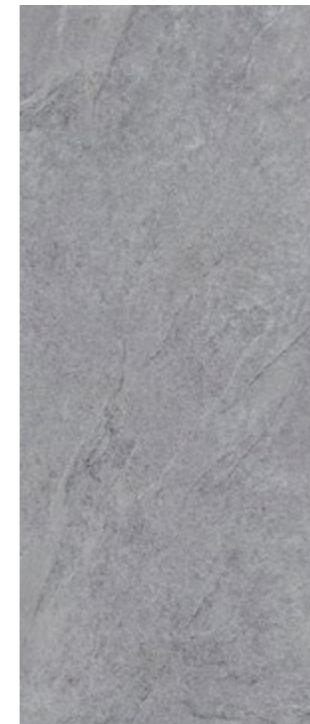
COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
SILVER	Matte					
	Semi Polished					
	Relief		FGM-R5475			
IRON	Matte					
	Semi Polished					
	Relief		FGM-R5480			
GRAPHITE	Matte					
	Semi Polished					
	Relief		FGM-R5485			
SAND	Matte					
	Semi Polished					
	Relief		FGM-R5470			
MOCHA	Matte					
	Semi Polished					
	Relief		FGM-R5490			
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			



Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



LIGHT GREY



GREY



DARK GREY



STONE

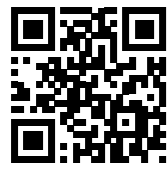
RIVEN SLATE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
LIGHT GREY	Matte					
	Semi Polished					
	Relief					FGM-L5310
GREY	Matte					
	Semi Polished					
	Relief					FGM-L5315
DARK GREY	Matte					
	Semi Polished					
	Relief					FGM-L5320
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips						
Keil System						•

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.





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METAL



METAL

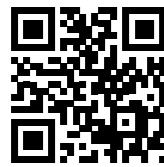
OXIDE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
OXIDE	Matte					
	Metal					FGM-L5300
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips						
Keil System						•

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.

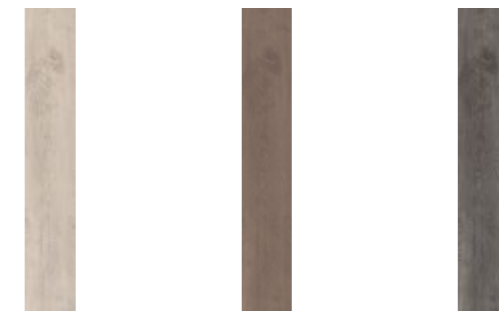




Available in other sizes upon demand. in different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.



ALMOND WALNUT VENGE



WOOD

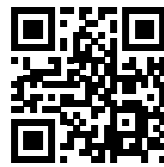
MAXIWOOD

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
ALMOND	Matte					
	Semi Polished					
	Relief	FGM-B810				
WALNUT	Matte					
	Semi Polished					
	Relief	FGM-B815				
VENGE	Matte					
	Semi Polished					
	Relief	FGM-B820				
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips		•				
Keil System		•				

MAXIWOOD

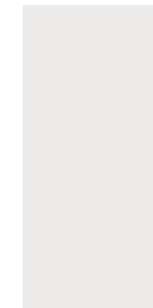
Maxiwood is a great mix of warmth and elegance which is perfectly in harmony with the latest innovative trends. Maxiwood surface is enhanced by relief punch that gives natural touch with new emotion of wooden material character and personality to every setting. Thanks to the stable nature of porcelain,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





Available in other sizes upon demand. In different sizes, the product details such as thickness, shade, etc may differ from this sample. For more details please get in touch with the sales department.

WHITE



MONOCOLOR

MONOCOLOR WHITE

COLOR BODY	SURFACE	20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
WHITE	Matte		GM-R9305			
	Semi Polished					
	Relief					
INSTALLATION METHOD		20x120 cm	60x120 cm	80x160 cm	120x240 cm	120x280 cm
Visible Clips			•			
Keil System			•			

MONOCOLOR WHITE

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 PMA make dreams of architects comes true by offering them a range of selected colors to create genial, flawless and solid spaces.

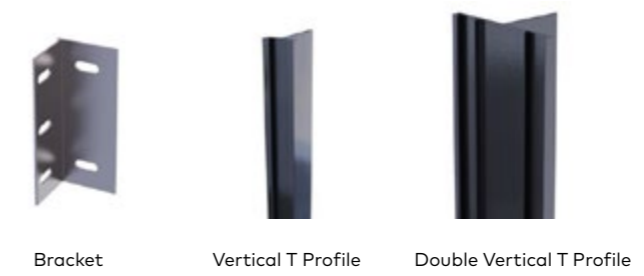


Tile
Application
Methods

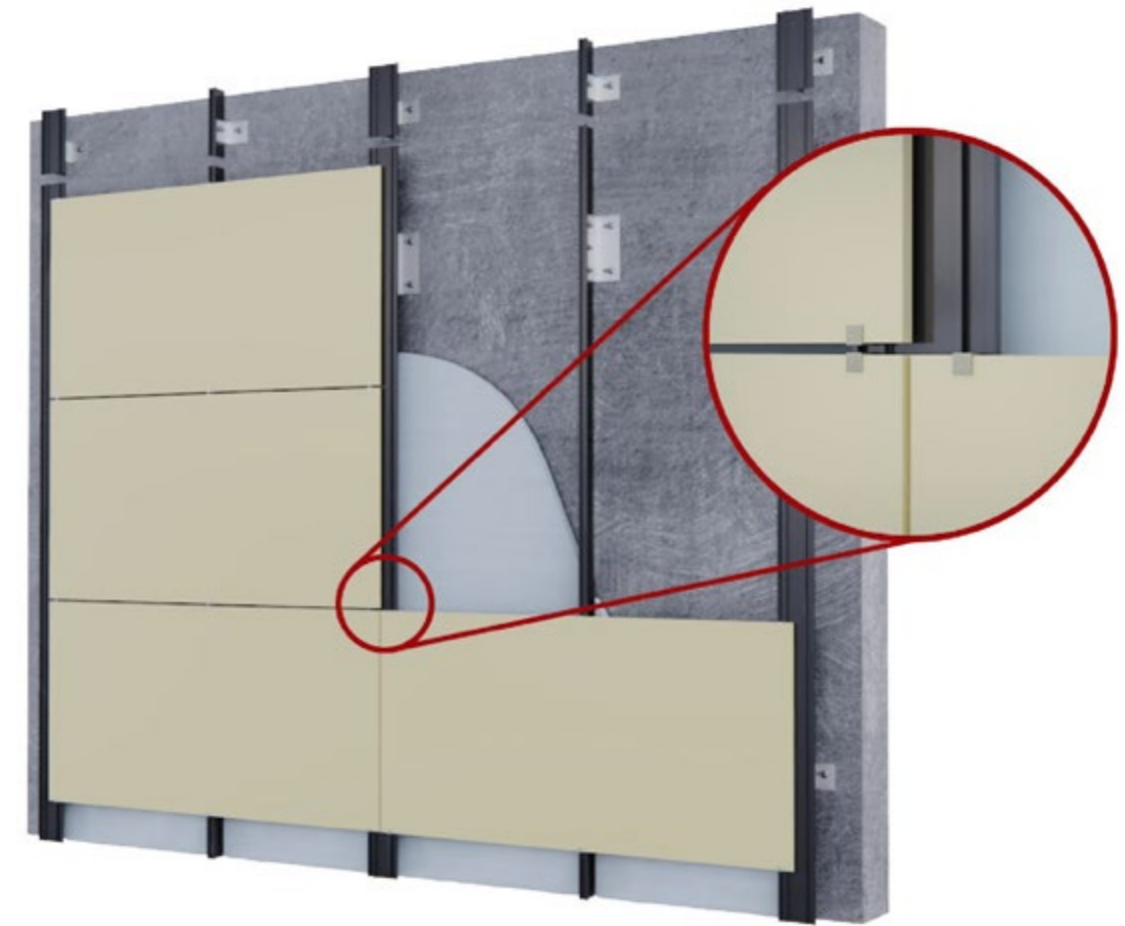
Visible Mechanical Fixing System

(Clip System)

This fixing system is one of the most reliable systems for porcelain tile ventilated facades. Thanks to its several advantages such as high fixing speed, adjustment capability, and ease of ceramic tile replacement, this method is widely used. In this method, the clip is placed in such a way that the ceramic tile is placed inside and restrained. The clip is connected to the aluminum substructure as shown below. The clips are made of stainless steel and they can be painted with colors appropriate to the ceramic tile color to avoid attracting attention.



Visible mechanical fixing system

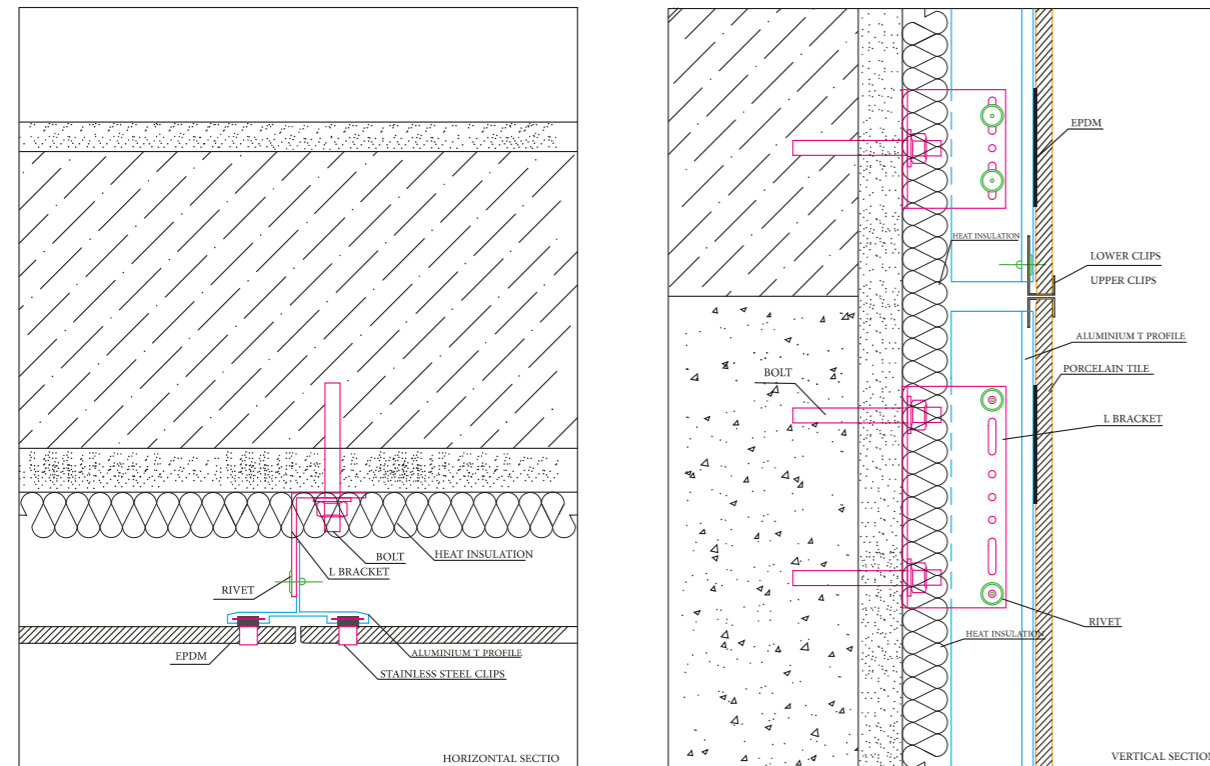


Visible mechanical fixing system components

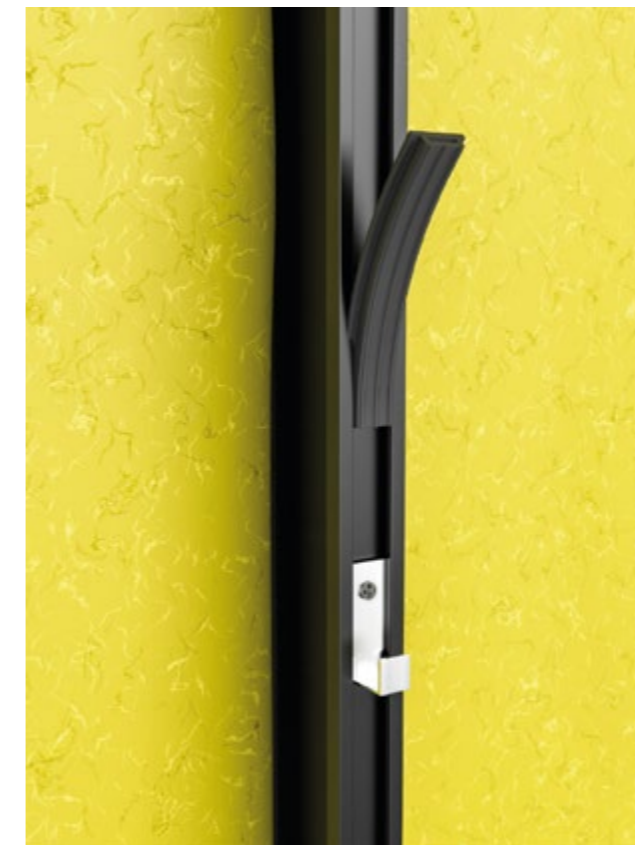
The stages of visible mechanical fixing system are:

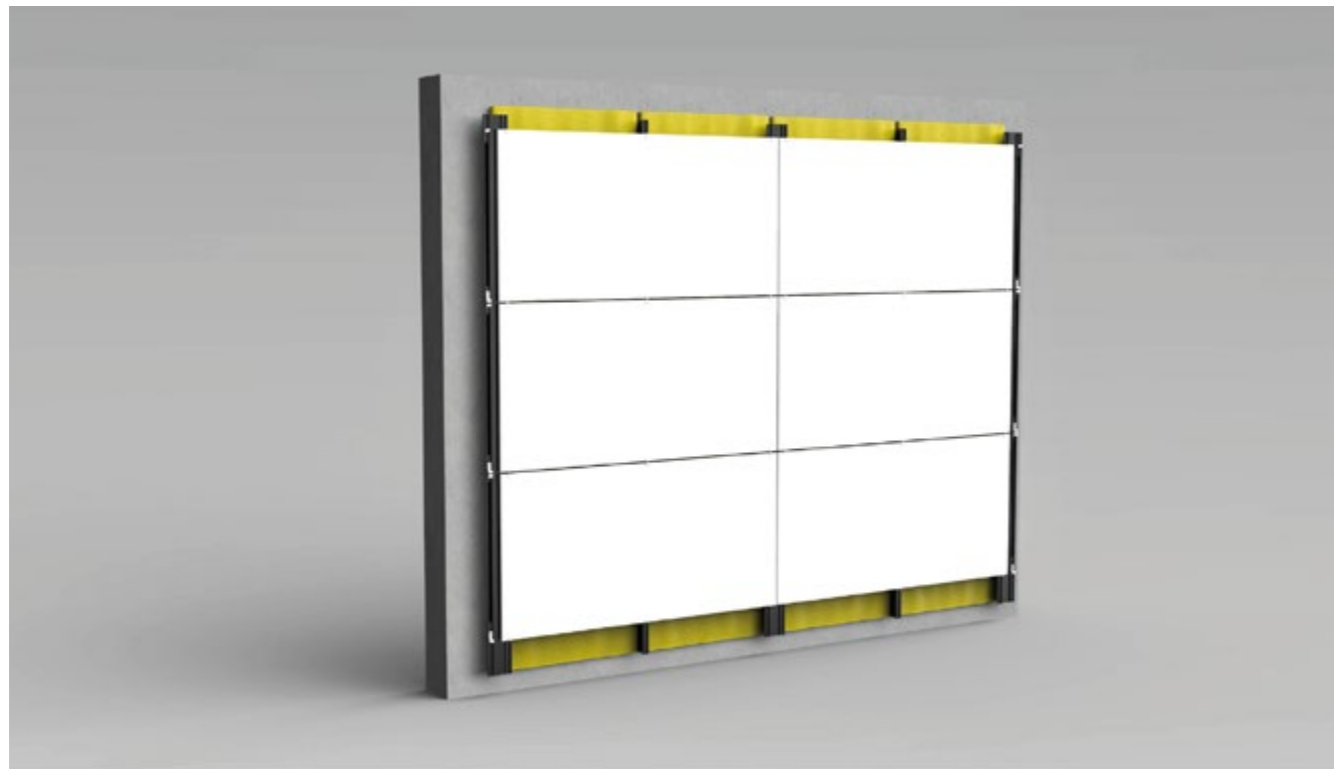
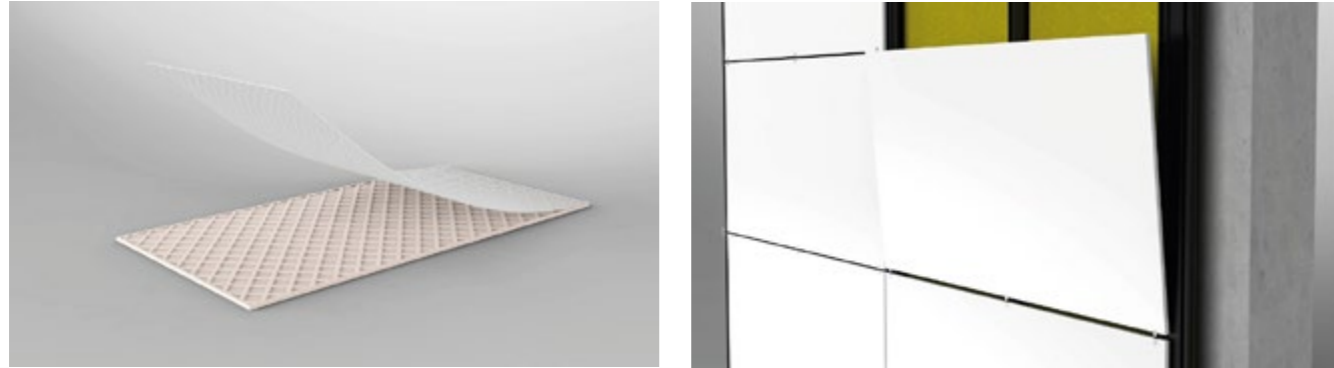
1. Preparing a workshop plan based on the current condition of the building façade
2. If necessary, the installation of a steel substructure to eliminate dimensional irregularities of the building
3. After designing the facade elements, according to the obtained design, the brackets are connected to the retaining wall or steel substructure by mechanical fasteners.
4. At this stage, a suitable thermal insulation is applied on the retaining wall.
5. After that, the vertical profiles are connected on the brackets at a distance of approximately 10 cm from the facade of the building. The maximum distance from the axis to the axis of the vertical profiles from each other is 60 cm.
6. Then EPDM rubbers are placed in the vertical profile grooves.
7. The bottom clips are placed in the vertical profile groove and are screwed to it.
8. Considering the issue of civil defense and in order to prevent the ceramic tiles from falling from the facade, all the ceramic tiles should be reinforced with fiberglass mesh and suitable adhesive.
9. Ceramic tiles are placed on the bottom clips and then the top clips are placed in the profile groove and on the ceramic tiles.
10. There should be a distance of 4-8 mm between the ceramic tiles.
11. The facade is created by repeating this process.

It is recommended that the vertical profiles be cut at the floor levels so that each part has a separate function from the other parts.

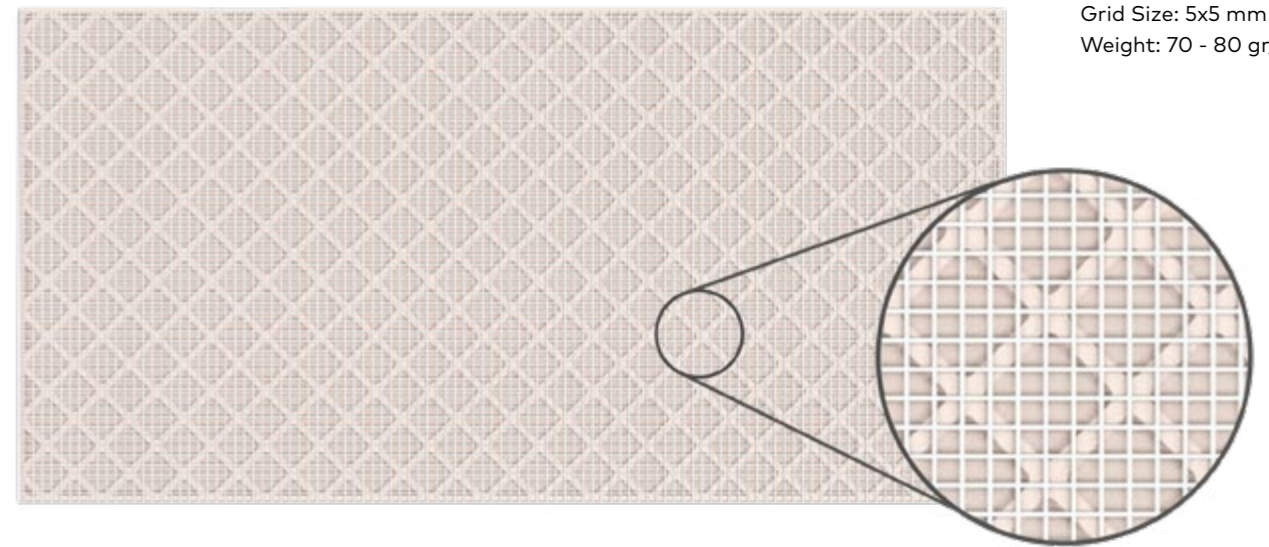


Visible mechanical fixing system details





Stages of visible mechanical fixing system



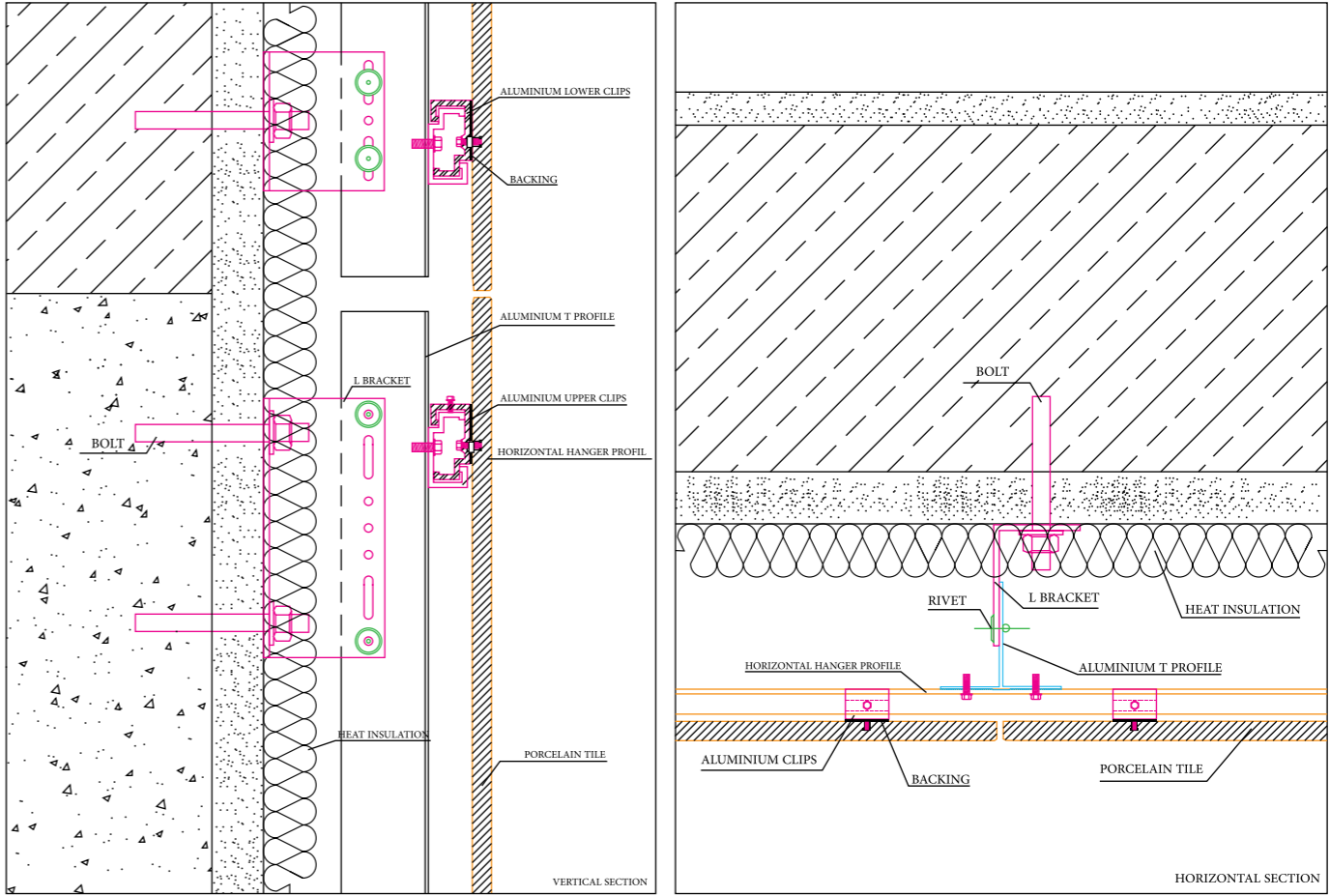
Fiberglass Mesh
Grid Size: 5x5 mm
Weight: 70 - 80 gr/m²

Ceramic tile reinforced with fiberglass mesh

Invisible Mechanical Fixing System

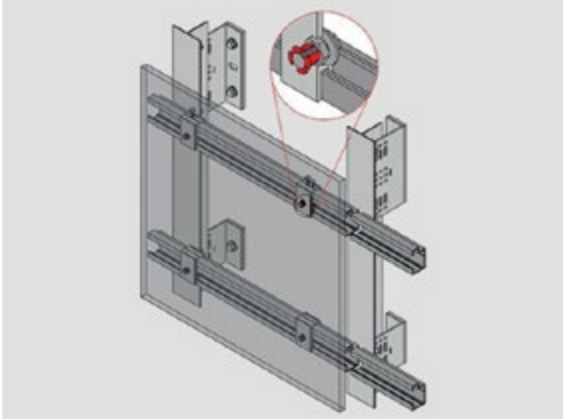
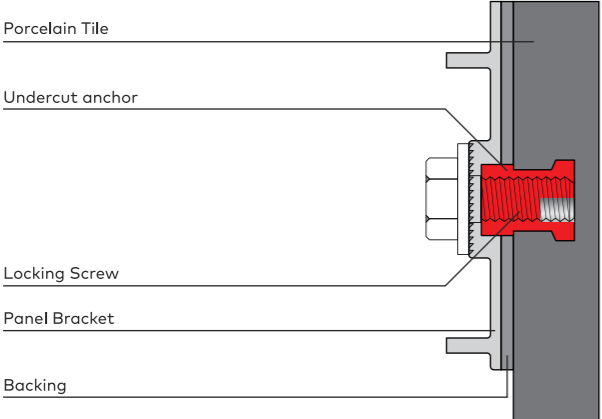
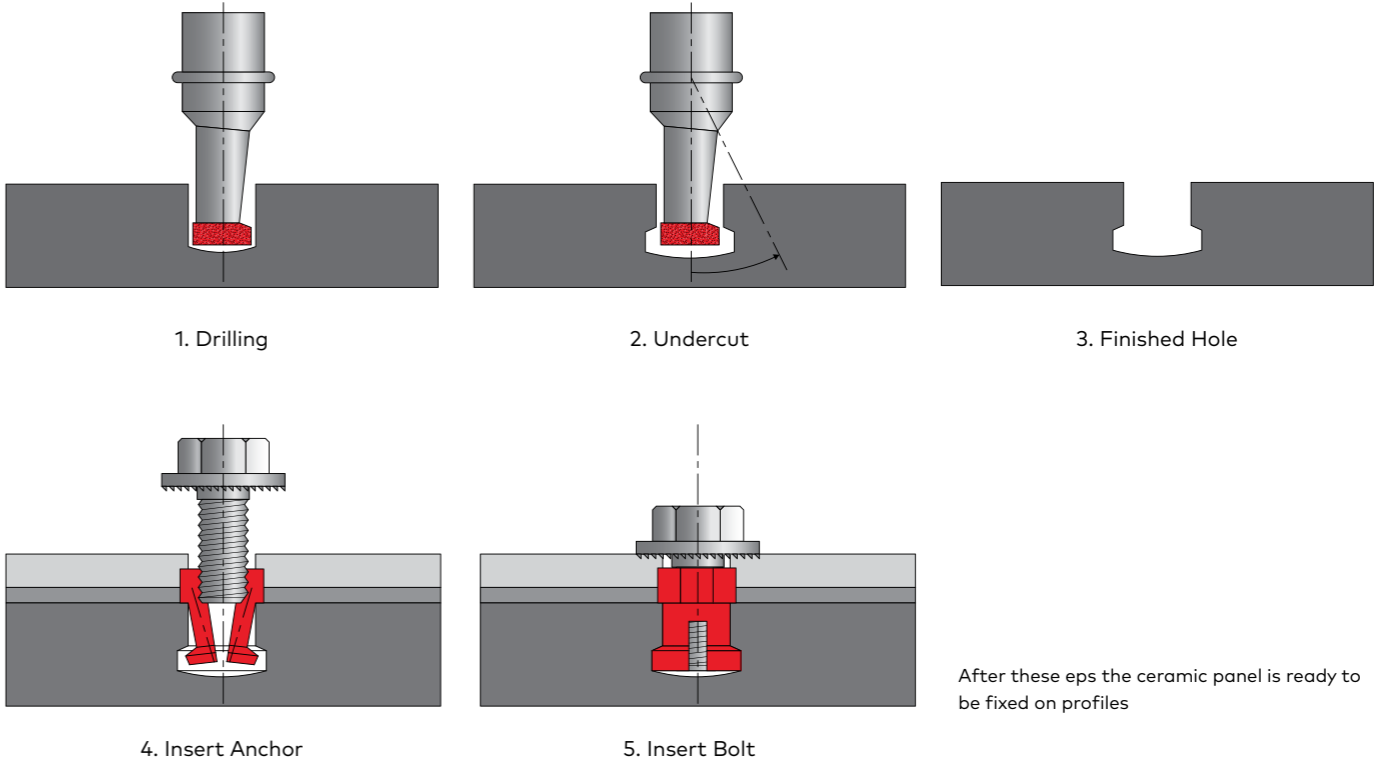
(Keil System)

In this system, bracket and anchor are installed behind the ceramic tiles and placed on aluminum substrate on the building facade. The brackets are made of aluminum. It is easily possible to adjust or replace any of the ceramic tiles anywhere on the facade.

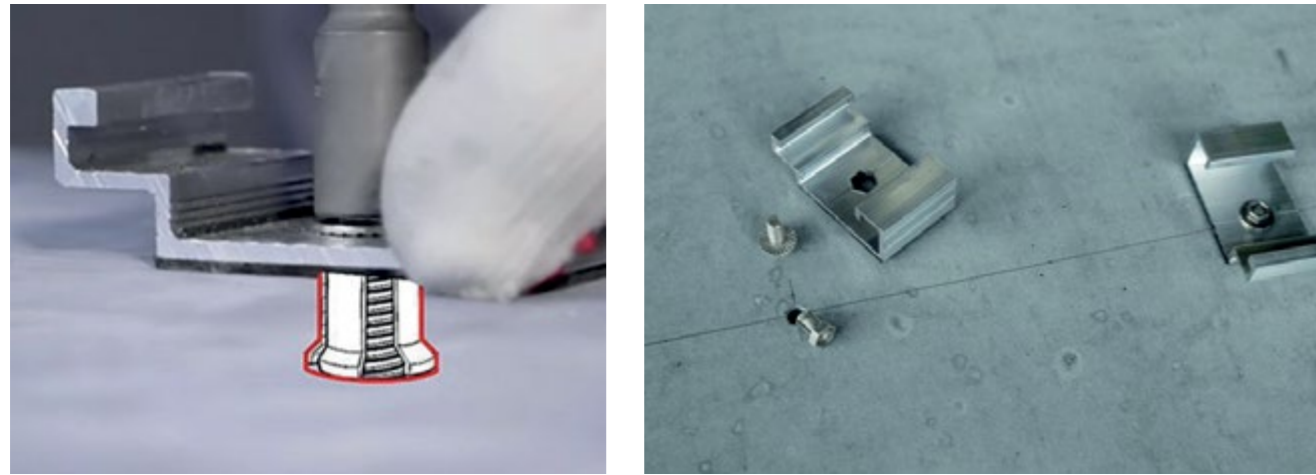


Invisible mechanical fixing system details

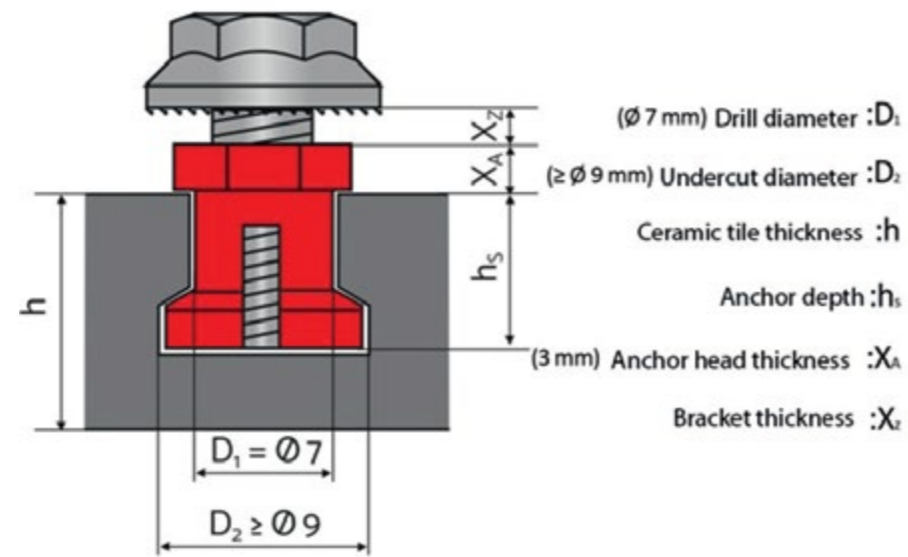
Preparation of ceramic panels
Preparing a ceramic panel involves the following eps:



Stages of visible mechanical fixing system



Preparation of ceramic panel



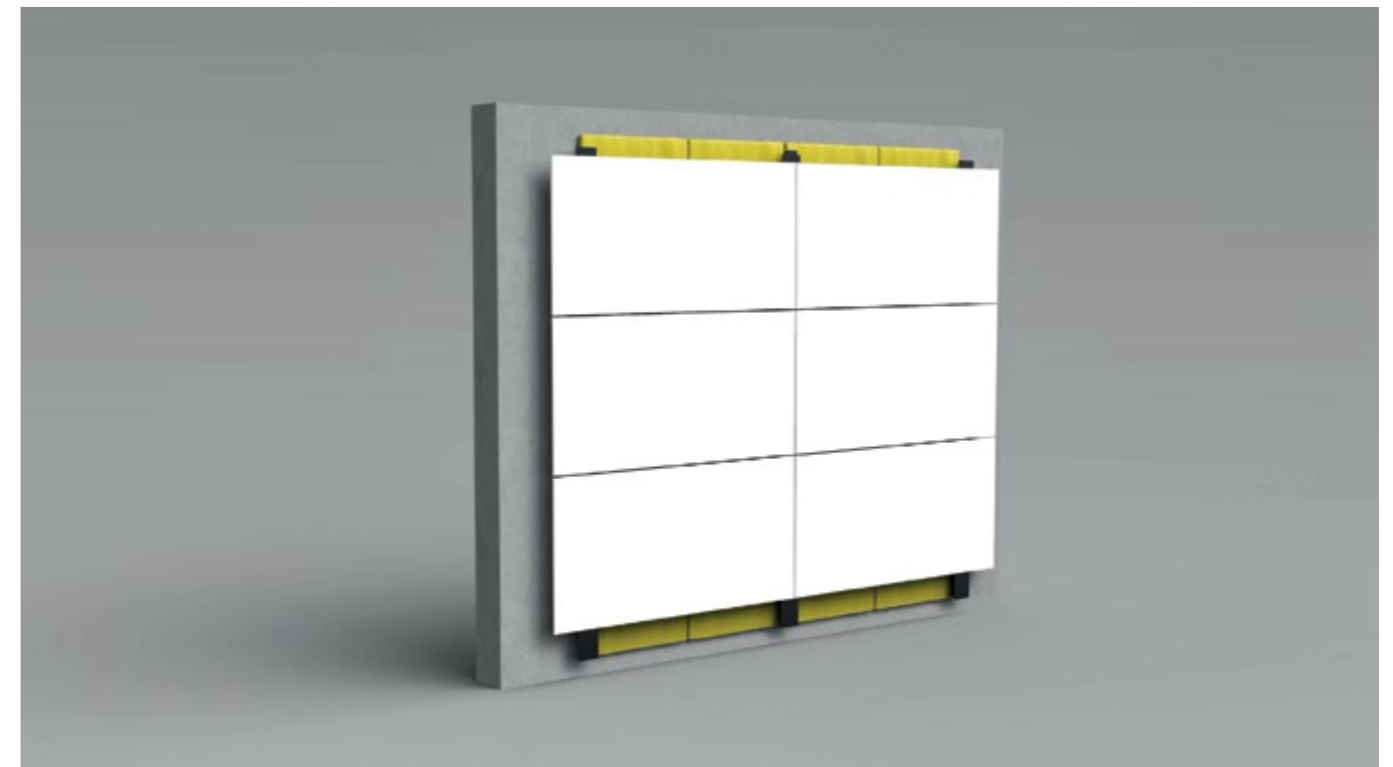
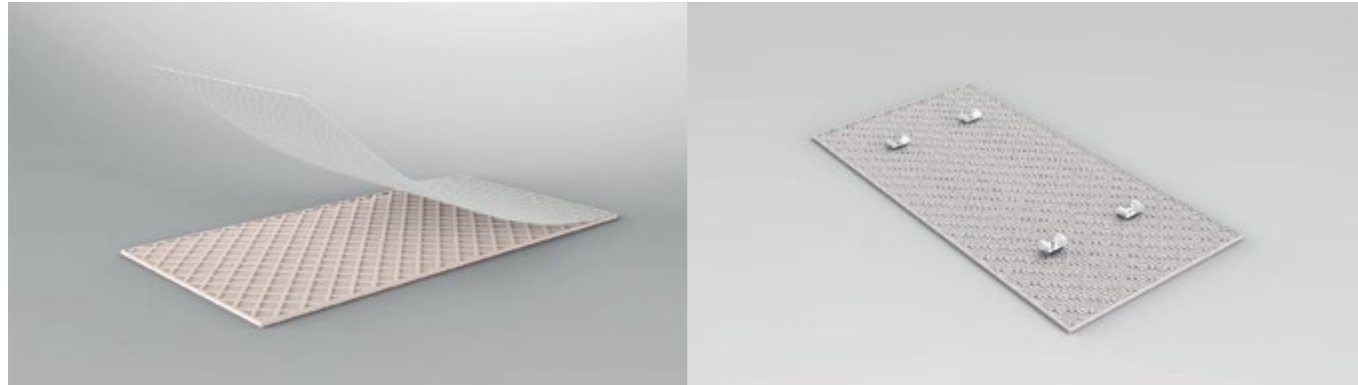
Undercut hole geometry

Invisible mechanical fixing system with anchors stages:

1. Preparing a workshop plan based on the current condition of the building façade
2. If necessary, the installation of a steel substructure to eliminate dimensional irregularities of the building
3. After designing the facade elements, according to the obtained design, the brackets are connected to the retaining wall or steel substructure by mechanical fasteners.
4. At this stage, a suitable thermal insulation is applied on the retaining wall.
5. Considering the issue of civil defense and in order to prevent the ceramic tiles from falling from the facade, all the ceramic tiles should be reinforced with fiberglass mesh and suitable adhesive.
6. Ceramic back holes are made using the special drilling machine and drill head.
7. The anchors are placed inside the undercut holes and the brackets are screwed. (To ensure a sturdy connection, the holes are filled with flexible polyurethane adhesive)
8. After that, the vertical profiles are connected on the brackets at a distance of approximately 15 cm from the facade of the building.
9. Horizontal profiles (runners) are also installed on vertical profiles at appropriate height.



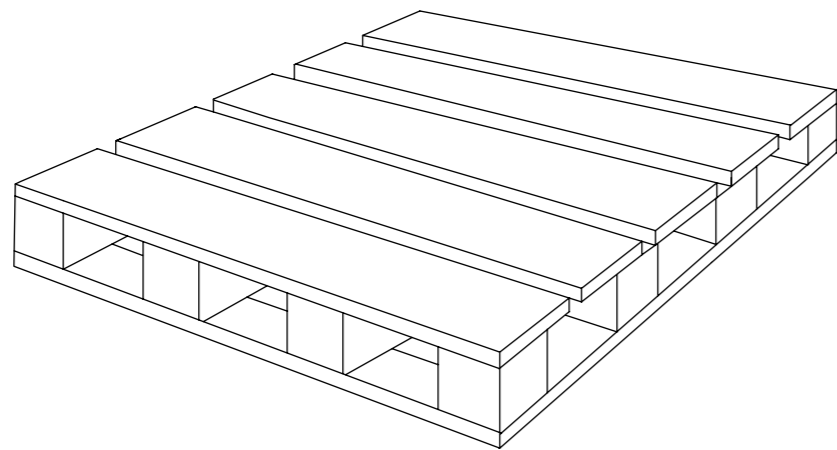
Invisible mechanical fixing system with anchors stages



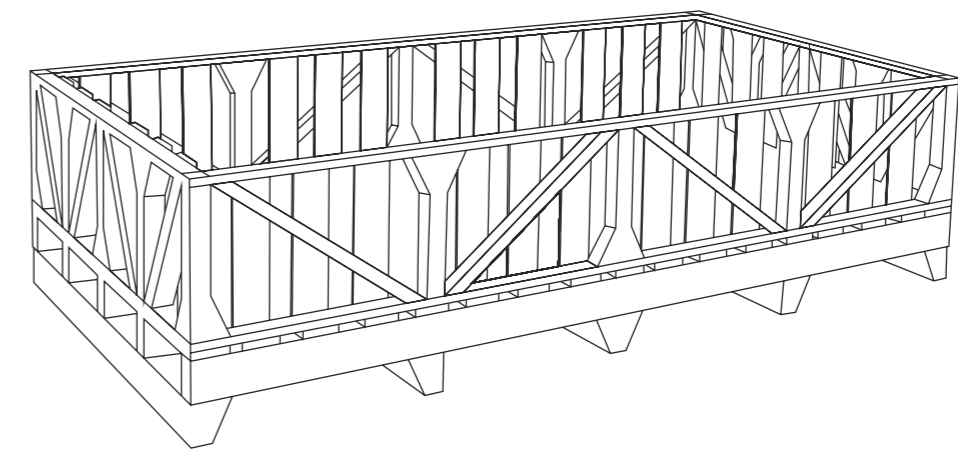
Invisible mechanical fixing system with anchors stages

Technical

Packing



Size (cm)	Thickness (mm)	Weight Pallet	Sqm Box	Pieces Box	Kg Box	Box Pallet	Sqm Pallet
60x120 Polished	11.5	2,292	1.44	2	38.2	60	86.4
60x120 Matte	9.5	2,250	1.44	2	37.5	60	86.4
60x120	9.5	2,160	1.44	2	30	72	103.68
20x120	11.5	2,021	0.96	4	26	84	80.64
60x60	20	1,241.6	0.72	2	31.04	40	28.8
100x100	9.5	2,208	2	2	46	48	96



Size (cm)	Thickness (mm)	Weight Pallet	Sqm Box	Pieces Box	Kg Box	Box Pallet	Sqm Pallet
80x160	9.5	1,370	1.28	-	27.4	50	64
120x120	9.5	1,530	1.44	-	32.5	45	64.8
120x240	9.5	2,354	2.88	-	62	36	103.68
120x280	9.5	2,730	3.36	-	72	36	120.96
120x280	6	2,208	3.36	-	48	46	154.56
160x320	9.5	2,600	5.12	-	110	22	112.64

Technical Information

Ceramic tiles – Definitions, Classification, Characteristics Evaluation of Conformity and Marketing

Keramische Fliesen und Platten-Definitions, Klassifizierung, Eigenschaften, Konformitätsbewertung und Kennzeichnung

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 67.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B1000- Brussels

3 Terms and definitions

For the purposes of this document, the terms and definitions are given in ISO 1006:1983 and the following apply.

3.1

Ceramic tile

Tile made from clays and/or other inorganic raw materials

NOTE Tiles are usually shaped by extruding (Method A) or dry-pressing (Method B) at room temperature followed by drying and firing at temperatures sufficient to develop the required properties but can be formed by other processes (UGL)

3.2

Porcelain ceramic tile

Fully vitrified ceramic tile water absorption of 0.5 % or less (i.e. groups Ala and Bla as given in Table 1)

3.3

Glaze

The vitrified covering on ceramic tile

3.4

Engobed surface

Clay-based covering with a matt finish which can be permeable or impermeable

NOTE A tile with an engobed surface is regarded as an unglazed tile.

3.5

Polished surface

The surface of a glazed or unglazed tile which has been given glossy finish by mechanical polishing carried out after firing.

3.6

Extruded ceramic tile

Ceramic tile whose body is shaped in the plastic state in an extruder, the column obtained being cut into tiles of predetermined dimension

NOTE 1 This European Standard classifies extruded tile as "precision" or "natural". Traditionally they were known as double extruded tiles or split tiles (precision) and single extruded tiles or quarry tiles (natural). Split tiles are produced as a double tile, which is split in two after firing. Split tiles are characterized by a typical parallel ridge on their reverse. Quarry tiles are shaped by cutting a single column and are often subsequently dry pressed.

NOTE 2 This European Standard classifies extruded tiles upon the different technical characteristics as listed in Annex to F and L

NOTE 3 Extruded ceramic tiles included the letter 'A' in their classification (see Table 1)

3.7

Dry-pressed tile

Tile formed from a finely milled body mixture and shaped by pressing

NOTE 1 This European standard classifies dry-pressed tiles upon the different technical characteristics as listed in the Annex G to K

NOTE 2 Dry-pressed ceramic tiles include the letter 'B' in their classification (see Table 1).

3.8

Spacer lug

The projection is located along certain edges of tiles so that when two tiles are placed together, in line, the lugs on adjacent edges separate the tiles by a distance not less than the specified width of the joint.

NOTE 1 Lugs are positioned so that the joint between the tiles may be filled with grout without the lugs remaining exposed.

NOTE 2 Dry-pressed tiles may be made with other spacer lug systems and, in such cases, the manufacture's work size applies.

NOTE 3 Figure 1 illustrates a ceramic tile without spacer lugs and figures 2 ceramic tiles with spacer lugs.

Test Reports



SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

Merkez: Anadolu Üniversitesi Yunusre Kampüsü
ETGB Anadolu Teknoparkı No:107-103 ESKİŞEHİR
Şube: Eskişehir Teknik Üniversitesi İki Eylül Kampüsü
Mühendislik Fakültesi ESKİŞEHİR
Mersis No: 0761048749700014
Vergi Dairesi: Eskişehir Vergi Dairesi Başkanlığı Vergi No: 7610487497
Tel: 0 (222) 323 82 76 - 335 09 59 Faks: 0 (222) 322 29 43
Web: www.seramikarastirma.com.tr E-posta: mail@seramikarastirma.com.tr

Rapor No: R 2068
Report Number

DENEY RAPORU
Test report

Müşterinin adı/adresi : Pishgaman Memari Arya - - No. 80, West Brazil St.,
Customer name and adress South Sheykh Bahayi St., Molla Sadra St., Tehran, IRAN

İstek Numarası : STL 22/2080
Order no.

Numunenin adı ve tarifi : FGM-L5090 NATURAL CONCRETE ASH SOFT MATTE
Name and identity of test item ORIGINAL SIZE: 120X280

Numunenin kabul tarihi : 30.11.2022
The date of receipt of test item

Açıklamalar : Numune alma işlemi firma yetkilileri tarafından yapılmıştır.
Remarks (Sampling operation is performed by the company.)

Testin yapıldığı tarih : 30.11.2022 – 01.12.2022
Date of test

Raporun Sayfa Sayısı : 2
Number of pages of the report

Dency ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve test metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Test sonuçları sadece testleri yapılan numunelere aittir. Testi yapılan numuneler saklanmamaktadır.
Test results only belong to samples analysed. Analysed samples are not be kept.

Test sonuçları numunenin teslim alındığı hali için geçerlidir.
The test results are valid for the samples as received.



Mühür
Date
01.12.2022

Test Sorumlusu
Person in charge of test
Efkan KARA

SAM Koordinatörü
SAM Coordinator
Prof. Dr. Servet TURAN

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.
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SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

Ceramic Research Center
Standard Testing Laboratory

Rapor No: R2068
Report Number

DENEY RAPORU
Test Report

İLGİLİ STANDART (Related Standard) : TS EN ISO 10545-3
TEST ADI: SERAMİK KAROLAR - SU EMME TAYİNİ (Vakum Metodu ile)
TEST NAME: CERAMIC TILES – DETERMINATION OF WATER ABSORPTION (Vacuum method)

NUMUNE SAMPLE	SU EMME (%) - Vakum metodu ile (Water absorption % - Vacuum method)
1	0.05
2	0.06
3	0.08
4	0.09
5	0.07
ORTALAMA AVERAGE	0.07

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 C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

MECCANICA ECOLOGIA CERAMICA AUTOMOTIVE

Modena, 04/01/23

To **Pishgaman Memari Arya**
 NO 80
 WEST BRAZIL ST
 SOUTH SHEYKH BAHAYI ST
 MOLLA SADRA ST TEHRAN IRAN

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
Ceramic tiles	FGM-L5090	Your delivery	22/12/2022

Here attached, you will receive the Test Report of Serial No. **20227489/n**, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE
 Director
 Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.
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LAB N°1018L
 Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
 Signatory of EA, IAF and ILAC Mutual Recognition Agreements

TEST REPORT: 20227489/1

Modena, 04/01/23

CUSTOMER Pishgaman Memari Arya - - No. 80
MATERIAL and/o SAMPLE to be tested West Brazil St - South Sheykh Bahayi St - Molla Sadra St - Tehran - IRAN
Denomination Ceramic tiles;
Date of sample reception FGM-L5090;
Date of sample acceptance 22/12/2022;
Kind of test executed 22/12/2022;
Referring standards Determination of Water Absorption
Shifting from standards ISO 10545-3:2018
Equipment No one
Subcontracted phases Scales cod. MCP C148 - Tank for vacuum cod. MCP C128 - Forced ventilation stove cod. MCP C43
Sampling made by No one
 Customer

The test results reported in this Test Report refer only to the sample sampled by our staff and / or given by the Customer as received.
The sample identification data were provided by the customer. Further additional information provided by the Customer will be reported in the Test Report in blue color. If the information provided by the customer influences the validity of the results, MCP declines all responsibility.
Any changes / additions made to the Test Report after its first issue will be identified by underlining the text.
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The storage times of the samples are indicated on the offer or contract to which this Test Report refers.

Examiner  p.i. Bortolai Alberto	MODENA CENTRO PROVE  Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE  Director Sant'Unione dr. Giuseppe
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DETERMINATION OF WATER ABSORPTION

Beginning date : 30/12/2022

Analysis ending date : 02/01/2023

RESULTS

Tested specimen dimensions (cm): 20x20
N° specimens tested: 5

Sample n°	Water Absorption E_v (%)
1	0,07%
2	0,08%
3	0,09%
4	0,07%
5	0,07%
Average value	0,07%

Examiner p.i. Bortolai Alberto	MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
--	---	--



SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

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Şube: Eskişehir Teknik Üniversitesi İki Eylül Kampüsü
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Tel: 0 (222) 323 82 76 - 335 09 59 Faks: 0 (222) 322 29 43
Web: www.seramikarastirma.com.tr E-posta: mail@seramikarastirma.com.tr

Rapor No: R 0578
Report Number

DENEY RAPORU
Test report

Müşterinin adı/adresi : Pishgaman Memari Arya -- No. 80, West Brazil St.,
Customer name and adress South Sheykh Bahayi St., Molla Sadra St., Tehran, IRAN

İstek Numarası : STL 23/646
Order no.

Numunenin adı ve tarifi : CODE: FGM-R5200 NAME: NATURAL CONCRETE LIGHT GREY SOFT
Name and identity of test item MATTE ORIGINAL SIZE: 60 cm. x 120 cm

Numunenin kabul tarihi : 28.02.2023
The date of receipt of test item

Açıklamalar : Numune alma işlemi firma yetkilileri tarafından yapılmıştır.
Remarks (Sampling operation is performed by the company.)

Testin yapıldığı tarih : 28.02.2023 – 01.03.2023
Date of test

Raporun Sayfa Sayısı : 2
Number of pages of the report

Deneysel ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve test metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
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Test results only belong to samples analysed. Analysed samples are not be kept.

Test sonuçları numunenin teslim alındığı hali için geçerlidir.
The test results are valid for the samples as received.



Mühür
Date
01.03.2023

Test Sorumlusu
Person in charge of test
Özgür SAKA

SAM Koordinatörü
SAM Coordinator
Prof. Dr. Servet TURAN

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STANDART TEST LABORATUVARI

Ceramic Research Center
Standard Testing Laboratory

Rapor No: R 0578
Report Number

DENEY RAPORU
Test Report

İLGİLİ STANDART (Related Standard) : TS EN ISO 10545-3
TEST ADI: SERAMİK KAROLAR - SU EMME TAYİNİ (Vakum Metodu ile)
TEST NAME: CERAMIC TILES – DETERMINATION OF WATER ABSORPTION (Vacuum method)

NUMUNE SAMPLE	SU EMME (%) - Vakum metodu ile (Water absorption % - Vacuum method)
1	0.17
2	0.15
3	0.18
4	0.25
5	0.19
ORTALAMA AVERAGE	0.19

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 TEL: 964 208 583 - FAX: 964 723 141
 www.laboratoriocarpi.com



TEST REPORT

PETITIONER: Pishgaman Memari Arya
 ADDRESS: No. 80, West Brazil St., South Sheykh Bahayi St., Molla Sadra St.,
 CITY: Tehran (IRAN)
 TEST REPORT Nº: 60.353
 PAGE Nº: 1 / 3
 DATE OF TEST REPORT: 14/03/2023
 DATE OF RECEIPT OF THE SAMPLE: 07/03/2023
 DATE OF TESTS PERFORMANCE: 07 - 09/03/2023
 NUMBER OF SAMPLES SUPPLIED: 5 specimens (20x20 cm)

DESCRIPTION OF THE SAMPLE: (Information provided by client)

Dry - pressed ceramic tiles, 600 mm x 1200 mm, glazed. Ref.:
 -- **NATURAL CONCRETE LIGHT GREY MATTE (FGM-R5200)** --

Code laboratory: 42-7-23

TEST CARRIED OUT:

- UNE-EN-ISO 10545-3 : DETERMINATION OF WATER ABSORPTION.
- ANNEX: PICTURE OF TESTED SAMPLE.



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Test report n°: 60.353
 Page n°: 2 / 3
 Petitioner: IMPERIO
 Date: 14/03/2023

DETERMINATION OF WATER ABSORPTION

DESCRIPTION OF THE SAMPLE.- (Information provided by client)

Dry - pressed ceramic tiles, 600 mm x 1200 mm, glazed. Ref.:
 -- **NATURAL CONCRETE LIGHT GREY MATTE (FGM-R5200)** --

Code laboratory: 42-7-23

RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 3:2018**)

- * We have tested specimens of 200 mm x 200 mm, obtained by cutting.
- * Water absorption for each specimen:

Specimen	Water absorption (E _v) (%)
1	0.2
2	0.2
3	0.2
4	0.3
5	0.2

* Average water absorption of the sample: **0.2 %**

* Measurement uncertainty: **U = ± 0.1 % (k=2)**

* Average value uncertainty: **U = ± 0.1 % (k=2)**



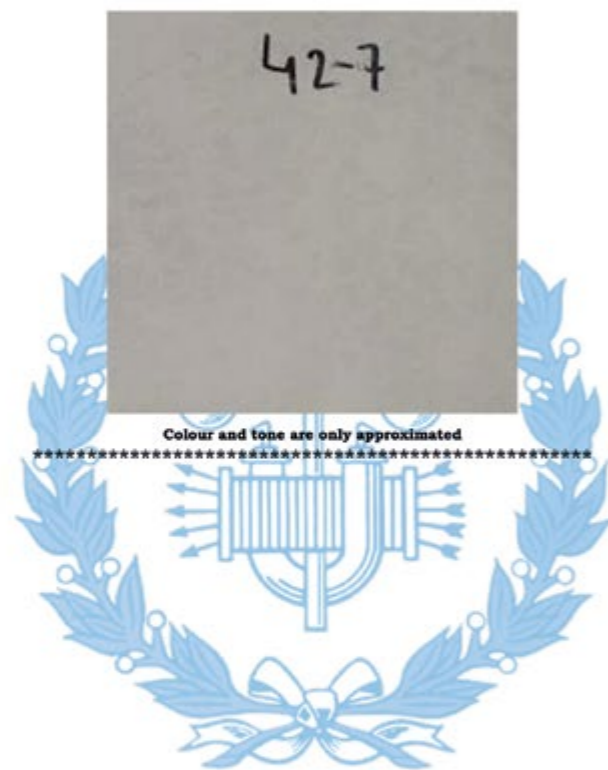
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Test report nº: 60.353
 Page nº : 3 / 3
 Petitioner: IMPERIO
 Date: 14/03/2023

ANNEX: PICTURE OF TESTED SAMPLE



José A. Estibález Catalán
 MANAGER

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- The results contained in this report only refer to the material subjected to testing.
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- The uncertainties have been evaluated according to recommendations of the document ISO/TAGIS/WGE : June 95.
- The expanded uncertainties indicated in this report are based on a standard uncertainty multiplied by a coverage factor k=2 with a normal distribution provides a level of confidence of about 95 %.
- Laboratorio "Sebastian Carpi" guarantee the confidentiality of the content of the present report.



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Tel: 0 (222) 323 82 76 - 335 09 59 Faks: 0 (222) 322 29 43
Web: www.seramikarastirma.com.tr E-posta: mail@seramikarastirma.com.tr

Rapor No: R 2066
Report Number

DENEY RAPORU
Test report

Müşterinin adı/adresi : Pishgaman Memari Arya -- No. 80, West Brazil St.,
Customer name and adress South Sheykh Bahayi St., Molla Sadra St., Tehran, IRAN

İstek Numarası : STL 22/2078
Order no.

Numunenin adı ve tarifi : FGM-R5250 NATURAL CONCRETE ANTHRACITE MATTE
Name and identity of test item ORIGINAL SIZE: 60X120

Numunenin kabul tarihi : 30.11.2022
The date of receipt of test item

Açıklamalar : Numune alma işlemi firma yetkilileri tarafından yapılmıştır.
Remarks (Sampling operation is performed by the company.)

Testin yapıldığı tarih : 30.11.2022 – 01.12.2022
Date of test

Raporun Sayfa Sayısı : 2
Number of pages of the report

Deneysel ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve test metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Test sonuçları sadece testleri yapılan numunelere aittir. Testi yapılan numuneler saklanmamaktadır.
Test results only belong to samples analysed. Analysed samples are not be kept.

Test sonuçları numunenin teslim alındığı hali için geçerlidir.
The test results are valid for the samples as received.



Mühür
Date
01.12.2022

Test Sorumlusu
Person in charge of test
Efkan KARA

SAM Koordinatörü
SAM Coordinator
Prof. Dr. Servet TURAN

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.
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STANDART TEST LABORATUVARI
Ceramic Research Center
Standard Testing Laboratory

Rapor No: R2066
Report Number

DENEY RAPORU
Test Report

İLGİLİ STANDART (Related Standard) : TS EN ISO 10545-3

TEST ADI: SERAMİK KAROLAR - SU EMME TAYİNİ (Vakum Metodu ile)

TEST NAME: CERAMIC TILES – DETERMINATION OF WATER ABSORPTION (Vacuum method)

NUMUNE SAMPLE	SU EMME (%) - Vakum metodu ile (Water absorption % - Vacuum method)
1	0.24
2	0.16
3	0.23
4	0.26
5	0.18
ORTALAMA AVERAGE	0.22

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Modena, 04/01/23

To **Pishgaman Memari Arya**
 NO 80
 WEST BRAZIL ST
 SOUTH SHEYKH BAHAYI ST
 MOLLA SADRA ST TEHRAN IRAN

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
Ceramic tiles	FGM-R5250	Your delivery	22/12/2022

Here attached, you will receive the Test Report of Serial No. **20227490/n**, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE
 Director
 Sant'Unione dr. Giuseppe

TEST REPORT: 20227490/1

Modena, 04/01/23

CUSTOMER	Pishgaman Memari Arya - - No. 80
MATERIAL and/o SAMPLE to be tested	West Brazil St - South Sheykh Bahayi St - Molla Sadra St - Tehran - IRAN
Denomination	Ceramic tiles;
Date of sample reception	FGM-R5250;
Date of sample acceptance	22/12/2022;
Kind of test executed	22/12/2022;
Referring standards	Determination of Water Absorption
Shifting from standards	ISO 10545-3:2018
Equipment	No one
Subcontracted phases	Scales cod. MCP C148 - Tank for vacuum cod. MCP C128 - Forced ventilation stove cod. MCP C43
Sampling made by	No one
	Customer

The test results reported in this Test Report refer only to the sample sampled by our staff and / or given by the Customer as received.

The sample identification data were provided by the customer. Further additional information provided by the Customer will be reported in the Test Report in blue color. If the information provided by the customer influences the validity of the results, MCP declines all responsibility.

Any changes / additions made to the Test Report after its first issue will be identified by underlining the text.

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The storage times of the samples are indicated on the offer or contract to which this Test Report refers.

Examiner  p.i. Bortolai Albertó	MODENA CENTRO PROVE  Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE  Director Sant'Unione dr. Giuseppe
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DETERMINATION OF WATER ABSORPTION

Beginning date : 30/12/2022

Analysis ending date : 02/01/2023

RESULTS

Tested specimen dimensions (cm): 20x20
 N° specimens tested: 5

Sample n°	Water Absorption E_v (%)
1	0,15%
2	0,21%
3	0,19%
4	0,18%
5	0,18%
Average value	0,18%

Examiner  p.i. Bortolai Alberto	MODENA CENTRO PROVE  Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE  Director Sant'Unione dr. Giuseppe
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ENAC
E N S A Y O S
Nº 15 / LE 064

TEST REPORT

PETITIONER: Pishgaman Memari Arya
ADDRESS: No. 80, West Brazil St., South Sheykh Bahayi St., Molla Sadra St.
CITY: Tehran (IRAN)
TEST REPORT Nº: 60.227
PAGE Nº: 1 / 3
DATE OF TEST REPORT: 28/12/2022
DATE OF RECEIPT OF THE SAMPLE: 23/12/2022
DATE OF TESTS PERFORMANCE: 23 – 27/12/2022
NUMBER OF SAMPLES SUPPLIED: 5 specimens (20x20 cm)

DESCRIPTION OF THE SAMPLE: (Information provided by client)

Dry – pressed ceramic tiles, 600 mm x 1200 mm, glazed. Ref.:

-- **NATURAL CONCRETE ANTHRACITE MATTE (FGM-R5250)** -- Code laboratory: 281-2-22

TEST CARRIED OUT:

- UNE-EN-ISO 10545-3 : DETERMINATION OF WATER ABSORPTION.
- ANNEX: PICTURE OF TESTED SAMPLE.



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Test report nº: 60.227
Page nº: 2 / 3
Petitioner: IMPERIO
Date: 28/12/2022

DETERMINATION OF WATER ABSORPTION

DESCRIPTION OF THE SAMPLE.- (Information provided by client)

Dry – pressed ceramic tiles, 600 mm x 1200 mm, glazed. Ref.:

-- **NATURAL CONCRETE ANTHRACITE MATTE (FGM-R5250)** -- Code laboratory: 281-2-22

RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 3:2018**)

- * We have tested specimens of 200 mm x 200 mm, obtained by cutting.
- * Water absorption for each specimen:

Specimen	Water absorption (E _v) (%)
1	0.1
2	0.2
3	0.2
4	0.2
5	0.2

* Average water absorption of the sample: **0.2 %**

* Measurement uncertainty: **U = ± 0.1 % (k=2)**

* Average value uncertainty: **U = ± 0.1 % (k=2)**



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Test report n°: 60.227
Page n° : 3 / 3
Petitioner: IMPERIO
Date: 28/12/2022

ANNEX: PICTURE OF TESTED SAMPLE



Colour and tone are only approximated



José A. Estibález Catalán
MANAGER

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- The uncertainties have been evaluated according to recommendations of the document ISO/TAGS/WGE : June 95.
- The expanded uncertainties indicated in this report are based on a standard uncertainty multiplied by a coverage factor $k=2$ with a normal distribution provides a level of confidence of about 95 %.
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STANDART TEST LABORATUVARI

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Vergi Dairesi: Eskişehir Vergi Dairesi Başkanlığı Vergi No: 7610487497
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Web: www.seramikarastirma.com.tr E-posta: mail@seramikarastirma.com.tr

Rapor No: R 0582
Report Number

DENEY RAPORU
Test report

Müşterinin adı/adresi : Pishgaman Memari Arya - - No. 80, West Brazil St.,
Customer name and adress South Sheykh Bahayi St., Molla Sadra St., Tehran, IRAN

İstek Numarası : STL 23/650
Order no.

Numunenin adı ve tanımı : CODE: FGM-A5015 NAME: CALACATTA SILVA NATURAL
Name and identity of test item ORIGINAL SIZE: 120 cm. x 240 cm

Numunenin kabul tarihi : 28.02.2023
The date of receipt of test item

Açıklamalar : Numune alma işlemi firma yetkilileri tarafından yapılmıştır.
Remarks (Sampling operation is performed by the company.)

Testin yapıldığı tarih : 28.02.2023
Date of test

Raporun Sayfa Sayısı : 2
Number of pages of the report

Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve test metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Test sonuçları sadece testleri yapılan numunelere aittir. Testi yapılan numuneler saklanmamaktadır.
Test results only belong to samples analysed. Analysed samples are not be kept.

Test sonuçları numunenin teslim alındığı hali için geçerlidir.
The test results are valid for the samples as received.



Mühür :
Date
01.03.2023

Test Sorumlusu
Person in charge of test
Özgür SAKA

SAM Koordinatörü
SAM Coordinator
Prof. Dr. Servet TURAN

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.
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SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

Ceramic Research Center
Standard Testing Laboratory

Rapor No: R 0582
Report Number

DENEY RAPORU
Test Report

İLGİLİ STANDART (Related Standard) : TS EN ISO 10545-7
TEST ADI: SERAMİK KAROLAR- SIRLI KAROLAR-YÜZEY AŞINMASINA DAYANIM TAYİNİ
TEST NAME : CERAMIC TILES - DETERMINATION OF RESISTANCE TO SURFACE ABRASION-GLAZED TILES

UYGULANAN DEVİR SAYISI Revolution	BOZULMA GÖRÜLDÜ/GÖRÜLMEDİ Visibility of visual failure
100	Görülmedi. Not visible
150	Görülmedi. Not visible
600	Görülmedi. Not visible
750, 1500	Görülmedi. Not visible
2100, 6000, 12000	Görüldü. Visible
>12000	-

Bozulmanın görüldüğü devir sayısı : 6000
Revolution at which visual failure occurred

Numunenin sınıfı : 4
Classification

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Modena, 17/03/23

To **Pishgaman Memari Arya**
 NO 80
 WEST BRAZIL ST
 SOUTH SHEYKH BAHAYI ST
 MOLLA SADRA ST TEHRAN IRAN

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
Ceramic tiles	CALACATTA SILVA NATURAL FGM-A5015	Your delivery	07/03/2023

Here attached, you will receive the Test Report of Serial No. **20231375/n**, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE
 Director
 Sant'Unione dr. Giuseppe

TEST REPORT: 20231375/1

Modena, 17/03/23

CUSTOMER	Pishgaman Memari Arya - - No. 80 West Brazil St - South Sheykh Bahayi St - Molla Sadra St - Tehran - IRAN
MATERIAL and/o SAMPLE to be tested	Ceramic tiles;
Denomination	CALACATTA SILVA NATURAL FGM-A5015;
Date of sample reception	07/03/2023;
Date of sample acceptance	07/03/2023;
Kind of test executed	Determination of the Resistance to Abrasion
Referring standards	ISO 10545-7:1996
Shifting from standards	No one
Equipment	Abrasion tester cod. MCP C127
Subcontracted phases	No one
Sampling made by	Customer

The test results reported in this Test Report refer only to the sample sampled by our staff and / or given by the Customer as received.

The sample identification data were provided by the customer. Further additional information provided by the Customer will be reported in the Test Report in blue color. If the information provided by the customer influences the validity of the results, MCP declines all responsibility.

Any changes / additions made to the Test Report after its first issue will be identified by underlining the text.

The Customer undertakes to reproduce this document in its entirety. Any form of partial reproduction is prohibited.

The storage times of the samples are indicated on the offer or contract to which this Test Report refers.

Examiner  p.l. Bortolai Alberto	MODENA CENTRO PROVE Ceramic Dept. Responsible  P.l. De Pasquale Roberto	MODENA CENTRO PROVE Director  Sant'Unione dr. Giuseppe
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	MODENA CENTRO PROVE s.r.l. Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78 Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364	 <small>LAB N°1018L</small> <small>Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC</small> <small>Signature of EA, IAF and ILAC Mutual Recognition Agreements</small>
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DETERMINATION OF THE RESISTANCE TO ABRASION

Beginning date : 14/03/23

Analysis ending date : 15/03/23

RESULTS

Stage of abrasion with visible variation (n° revolutions): > 12000
 Abrasion class: 5

CLASSIFICATION

1. Classification PEI

Abrasion Stage: abrasion visible at n° of turn	Class
100	0
150	1
600	2
750 - 1500	3
2100 - 6000 - 12000	4
>12000 and is in accordance with the stain resistance test UNI EN ISO 10545-14	5

2. Stain Classification of Abraded Tiles

Test Solution	Standing Time	Resistance Class
Chrome green in light oil 40%	24 h	5
Iodine alcohol solution 1.3%	24 h	5
Olive oil T.Q.	24 h	5

3. Stain Classification

- Class 1 : stain not removed
- Class 2 : stain removed with the procedure D (immersion 24h in special solvent)
- Class 3 : stain removed with the procedure C (mechanical action with strong cleaning agent)
- Class 4 : stain removed with the procedure B (weak cleaning agent)
- Class 5 : stain removed with the procedure A (running water, 5')

Examiner  p.l. Bortolai Alberto	MODENA CENTRO PROVE  Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE  Director Sant'Unione dr. Giuseppe
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SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

Merkez: Anadolu Üniversitesi Yunus Emre Kampüsü
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Rapor No: R 0583
Report Number

DENEY RAPORU
Test report

Müşterinin adı/adresi : Pishgaman Memari Arya -- No. 80, West Brazil St.,
Customer name and adress South Sheykh Bahayi St., Molla Sadra St., Tehran, IRAN

İstek Numarası : STL 23/651
Order no.

Numunenin adı ve tarifi : CODE: FGM-L5090 , NAME: NATURAL CONCRETE ASH SOFT MATTE
Name and identity of test item ORIGINAL SIZE: 120 cm. x 280 cm

Numunenin kabul tarihi : 28.02.2023
The date of receipt of test item

Açıklamalar : Numune alma işlemi firma yetkilileri tarafından yapılmıştır.
Remarks (Sampling operation is performed by the company.)

Testin yapıldığı tarih : 01.03.2023
Date of test

Raporun Sayfa Sayısı : 2
Number of pages of the report

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Test sonuçları numunenin teslim alındığı hali için geçerlidir.
The test results are valid for the samples as received.



Mühür : 01.03.2023
Date

Test Sorumlusu
Person in charge of test
Özgür SAKA

SAM Koordinatörü
SAM Coordinator
Prof. Dr. Servet TURAN

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.
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SERAMİK ARAŞTIRMA MERKEZİ A.Ş.
STANDART TEST LABORATUVARI

Ceramic Research Center
Standard Testing Laboratory

Rapor No: R 0583
Report Number

DENEY RAPORU
Test Report

İLGİLİ STANDART (Related Standard) : TS EN ISO 10545-11
TEST ADI: SERAMİK KAROLAR - SIRIN ÇATLAMA DAYANIMI TAYİNİ
TEST NAME: CERAMIC TILES - DETERMINATION OF CRAZING RESISTANCE FOR GLAZED TILES

NUMUNE SAMPLE	NUMUNEDE ÇATLAMA (VAR/YOK) VISIBLE DEFECTS
1	YOK Not damaged.
2	YOK Not damaged.
3	YOK Not damaged.
4	YOK Not damaged.
5	YOK Not damaged.

ÇATLAYAN TEST NUMUNESİ SAYISI
The number of test specimens showing crazing : -

ÇATLAĞIN TARİFİ
A description of the crazing : -

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Projects

A .	Years	Category	City
Abali Hotel	1394	Hotel	Tehran
Administrative Building Of Pishgaman Trade Center Yazd	1395	Commercial	Yazd
Agha Gol Residence	1400	Residential	Tehran
Almati Residence	1393	Residential	Almati
Ana Service And Exhibition Center	1396	Showroom	Kish
Ano	1401	Commercial	Mashhad
Anzali Free Zone Building	1394	Administrative	Anzali
Arad Tower Mashhad	1397	-	Mashhad
Aren Shopping Center	1393	Commercial	Tehran
Arg Twin Towers	1396	Residential	Qom
Arian	1401	Administrative	Mashhad
Armitaj	1392	Administrative	Mashhad
Arsh Ajoudaniyeh Commercial Complex	1394	Commercial	Tehran
Arzesh Afarinane Saba	1398	Commercial	Tehran
Atana Hotel	1399	Administrative	Tehran
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B .	Years	Category	City
Bahonar Hospital Kerman	1395	Hospital- Health Center	Kerman
Bank Afarin Farmaniye Branch	1395	Bank	Tehran
Bank Kar Afarin Mashhad	1396	Bank	Mashhad
Bank Mellat Niavaran Branch	1393	Bank	Tehran
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Baqiyatullah Dormitory	1400	Hotel	Tehran
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C .	Years	Category	City
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Central Branch Of Karafarin Bank	1399	Administrative	Tehran
Commercial Jordan	1399	Administrative	Tehran
Court Of Administrative Justice	1396	Administrative	Tehran

D .	Years	Category	City
Dadman Administrative	1397	Administrative	Tehran
Darlan Daro	1397	Administrative	Pardis
Darulshafa Hospital	1397	Hospital- Health Center	Basra
Dena Hospital	1391	Hospital- Health Center	Shiraz
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E .	Years	Category	City
Ecomal Commercial Center	1397	Commercial	Karaj
Ecomall	1397	Commercial	Karaj

Ecomall Hyperstar	1397	Hyper - Market	Karaj
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Fannavaran Office Building	1396	Administrative	Tehran-Pardis

F .	Years	Category	City
Farkhonde Jordan	1401	Administrative	Mashhad
Farkhunde Jordan Office	1401	Administrative	Mashhad
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G .	Years	Category	City
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Gueno	1396	Administrative	Tehran
Gueno Administrative	1396	Administrative	Tehran

H .	Years	Category	City
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Hisense	1400	Administrative	Tehran

I .	Years	Category	City
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Iranmall Official Building	1394	Administrative	Tehran
Islamic Azad University North Tehran Branch	1395	Educational	Tehran
Islamic Azad University Of Science And Research	1395	Educational	Tehran
Istak	1400	Administrative	Tehran

J .	Years	Category	City
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Jordan Commercial	1400		Tehran
Jordan Skin And Hair Clinic	1397	Hospital- Health Center	Tehran

K .	Years	Category	City
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Kourosh Commercial & Recreation Center	1393	Commercial	Tehran

L .	Years	Category	City
Laleh	1400	Residential	Tehran
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M .	Years	Category	City
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Mehre Of Iranian Kuhsangi	1397	Commercial	Mashhad
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Milad Hospital-Urmia	1397	Hospital- Health Center	Urmia
Ministry Of Agriculture Central Building	1397	Administrative	Tehran
Moallem Insurance	1395	Administrative	Tehran
Mofid University Qom	1395	Educational	Qom
Moheb Kosar Hospital	1393	Hospital- Health Center	Tehran
Mollasadra Administrative	1400	Administrative	Tehran
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N .	Years	Category	City
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Negin-E Alborz	1400	Administrative	Ahvaz
Negine Pasargad Hotel	1394	Hotel	Mashhad
Nobahar Commercial Center	1393	Commercial	Kermanshah
Novin Pelas Hotel	1401	Hotel	Mashhad
O .	Years	Category	City
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P .	Years	Category	City
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Pars Residence	1395	Residential	Kerman
Parsian Shahr Kord Hospital	1397	Hospital- Health Center	Shahrekord
Penta Exhibition And Office Building	1398	Administrative	Parand
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R .	Years	Category	City
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Razi Hospital	1398	Hospital- Health Center	Tehran
Razi Hospital	1397	Hospital- Health Center	Tehran
Refah Sanandaj Bank	1397	Bank	Sanandaj
Residence Raspina	1395	Residential	Saari
Rodhen Azad University	1396	Educational	Rodhen
Royal Commercial	1395	Commercial	Tehran
Royal-E Mirdamad	1397	Commercial	Tehran
Royaye Shargh	1397	Commercial	Tehran
S .	Years	Category	City
Saadi Hospital-Basra	1396	Hospital- Health Center	Basra
Salsabil Hotel	1394	Hotel	Mashhad
Sam Group	1400	Commercial	Tehran
Saman Bank Branch Of Sajjad Boulevard Mashhad	1386	Bank	Mashhad
Sana Center	1397	Commercial	Tehran

Sarafha Administrative	1401	Administrative	Mashhad
Seoul Hospital South Korea	1401	Hospital- Health Center	Mashhad
Setareh Vanak	1400	Administrative	Tehran
Shahr-E Aftab	1394	Service - Recreational	Tehran
Shaparak	1394	Service - Recreational	Tehran
Shiraz International Airport	1396	Airport	Shiraz
Shiraz Railway Station	1388	Metro - Train Station	Shiraz
Simin Farmanieh Administrative	1400	Administrative	Tehran
Sina Hospital	1401	Hospital- Health Center	Mashhad
Sina Noor Shahriyar	1395	Hospital- Health Center	Shahriyar
Spadana Administrative Office	1396	Administrative	Mashhad
Subhanian Office	1399	Administrative	Tehran
Sunstar	1400	Administrative	Tehran
T .	Years	Category	City
Taha Powish Drilling Company	1399	Administrative	Tehran
Tax Administrative	1400	Administrative	Tehran
Tax Office	1400	Administrative	Tehran
Toranj Tower	1395	Residential	Tehran
U .	Years	Category	City
Urmia International Airport	1396	Airport	Urmia
V .	Years	Category	City
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Velayat Official Building	1395	Administrative	Tehran
Vina Administrative	1394	Administrative	Tehran
W .	Years	Category	City
Water And Sewage Area2	1395	Administrative	Tehran
Y .	Years	Category	City
Yas Kerman Doctors Building	1395	Hospital- Health Center	Kerman

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