

# Kalesinterflex®

PORCELAIN SLIM SLABS

As you LIKE IT.







Welcome to the world of slim, fine and creative tiles that are slimly outstanding.

The Kalesinterflex Collection by Classic Marble Company offers an expansive assortment of stylish creaming porcelain slabs from Turkey

These slim and flexible slabs let you use them dynamically and choose from various colours, designs and textures.

With multiple applications and strength combined with beauty, you can give wings to your imagination.

**Kalesinterflex**<sup>®</sup>  
PORCELAIN SLIM SLABS

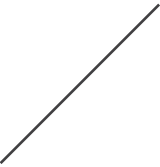


GIVING  
WINGS  
TO YOUR  
IMAGINATION

Kalesinterflex® slabs are designed  
to encourage innovation and redefine the  
standards of aesthetics in the creation of  
modern living spaces.



Features



Everything that must be in a ceramic tile and more...  
Designed to shape the architecture of the future,  
Kalesinterflex is equipped with superior features to  
ensure flawless performance under any condition.



**WEIGHT\***  
A 3mm-thick Kalesinterflex slab weighs 7kg/sqm while a 5mm-thick Kalesinterflex slab weighs 11.5kg/sqm.



**FLEXIBILITY**  
The convex flexibility radius of a 3mm-thick Kalesinterflex Fit slab is 5.5m.



**FIRE RESISTANCE**  
Kalesinterflex is totally fire resistant and non-flammable.



**CHEMICAL RESISTANCE**  
Kalesinterflex is resistant to chemicals (acids and bases) due to its porcelain ceramic structure and glaze layer on its surface.



**CUTTING**  
It can be cut with standard glass, ceramic cutters and computer controlled automatic cutting machines in the required dimensions.



**DRILLING**  
Kalesinterflex can be drilled with glass drills as well as with other automatic drilling devices.



**FROST RESISTANCE**  
Kalesinterflex’s surface is equipped with advanced technology to accommodate various climate conditions. It maintains its durability against sudden changes in heat and frost.



**EASE OF CLEANING**  
Kalesinterflex has a smooth surface on which dirt does not accumulate. If required it can be cleaned with water and known cleaning agents.



**ANTI-GRAFFITI**  
Easy to wipe and clean pollutants like crayon, graffiti, permanent marker, board marker.



**PHOTOCATALYTIC**  
Kalesinterflex is photocatalytic thanks to its Nano-tech coating surface. Kalesinterflex cleans itself with rain and sunlight.



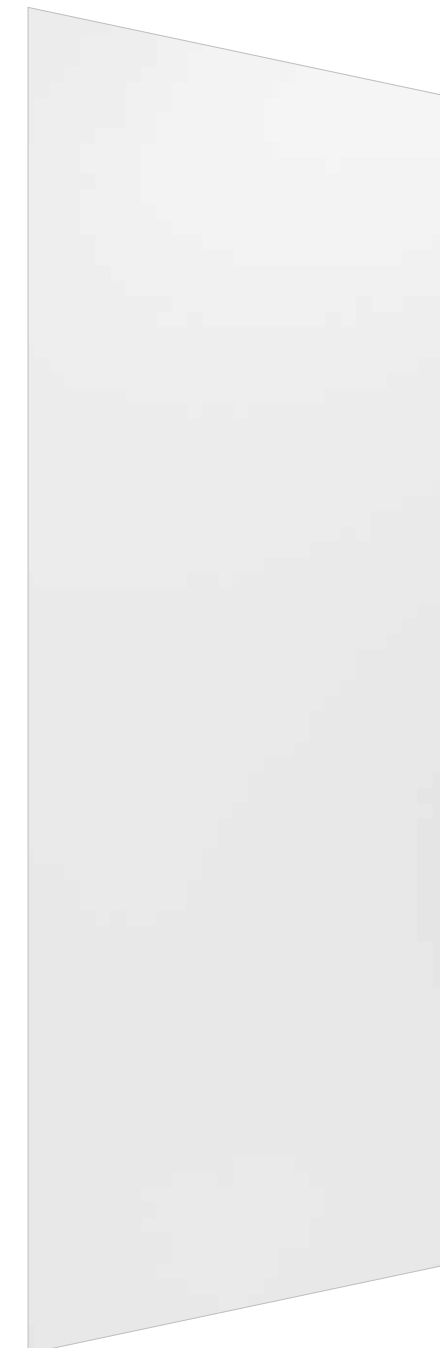
**HYGIENIC**  
Protects both outdoor and indoor, even in poorly lit environment. Hygienic; resistant to bacteria, mould and fungus. The antibacterial feature of Kalesinterflex is approved by TÜBİTAK. (The Scientific and Technological Research Council of Turkey)



**ECO-FRIENDLY**  
Produced with an environmentally-friendly technology, Kalesinterflex has the Ecospecifier certificate. The gas and dust emission of Kalesinterflex is 20 times less, and CO2 emission is 1000 times less, than those of traditional ceramic production processes.

\*The specified weights reflect average values and may vary depending on the product.

INNOVATION



Mega White



Mega Black



LUXURY CEMENT



Mink



Cemento



LUXURY CEMENT



Anthracite

LUXURY CEMENT



Grey



Concrete

NATURAL STONE



Berra Creama



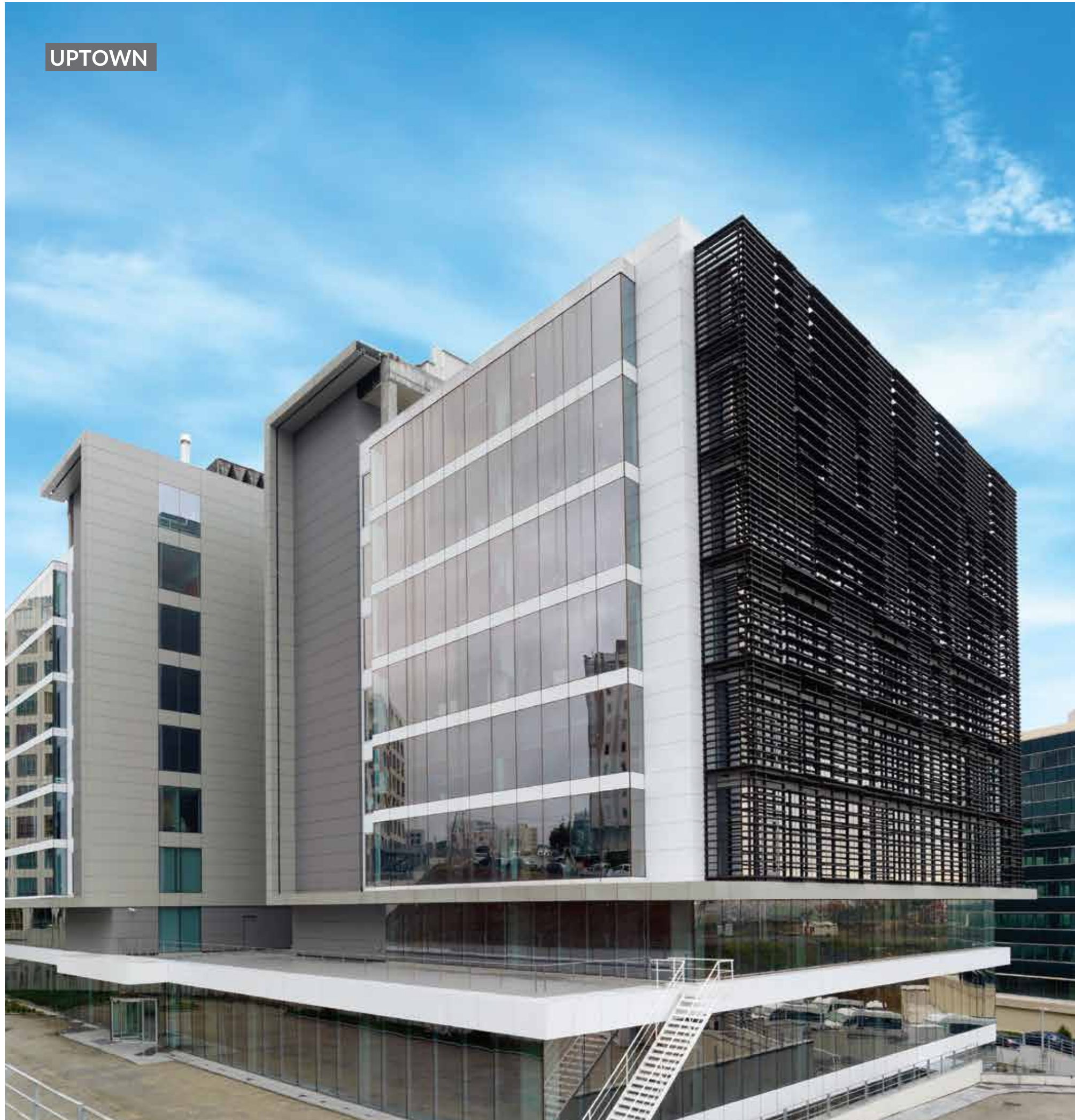
K Greige



Fossil cream - Hydra Moka



UPTOWN



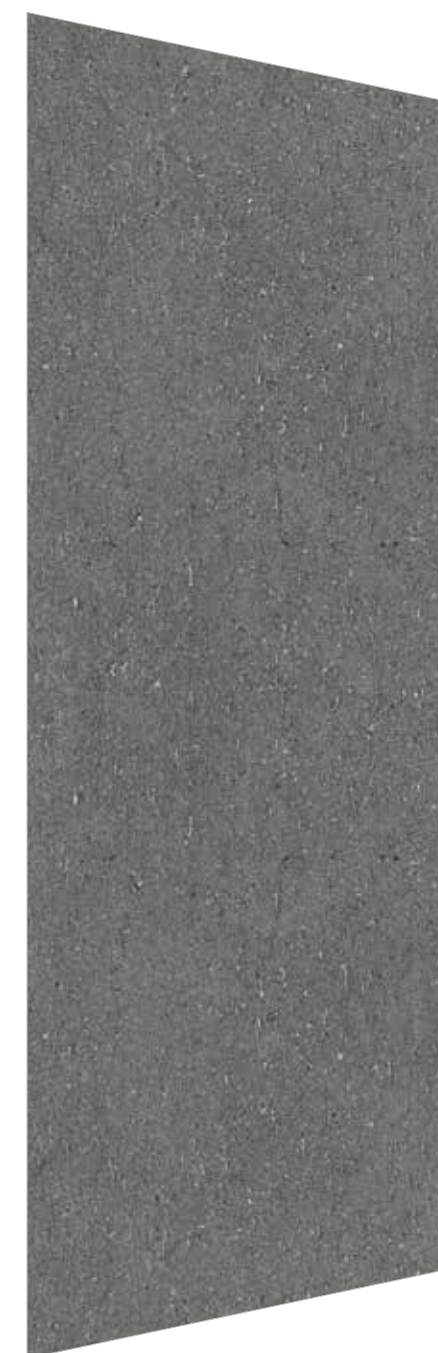
Uptown light



Uptown dark



EDILGRES PIETRA



Basaltina



EDILGRES PIETRA



Chattilonis



Toscana

OCEAN

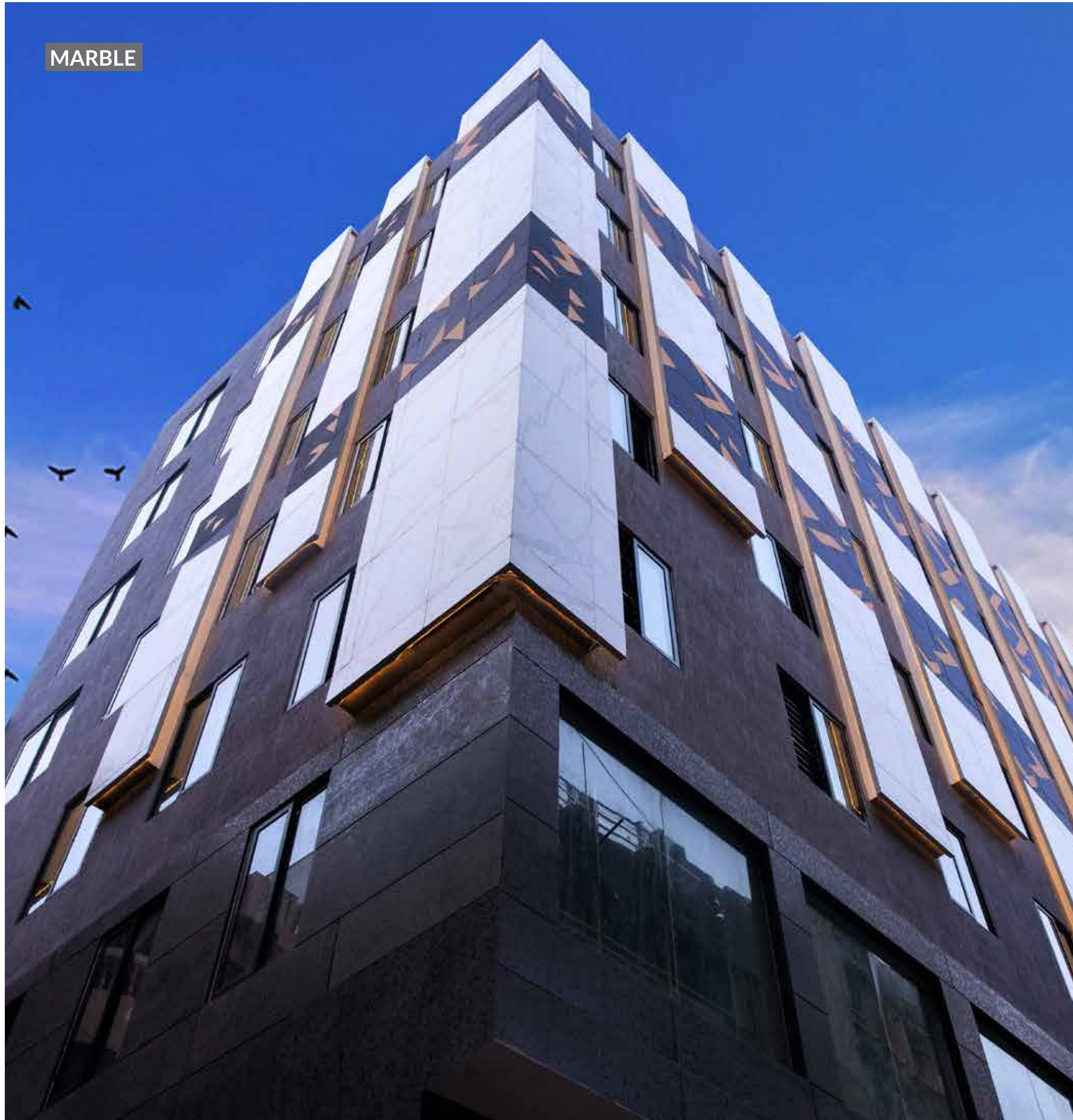


Ocean White



Ocean Black

MARBLE



Pulpis



Natural Calacatta oro - kalos bianco



MARBLE



Natural Travertino Beige - bari



Natural calacatta supremo



PALLADIUM



Pallissandro







Moss



Oil



Flare Grey



Flare Dark



METALLIC



Metal Copper



Metal corten



METALLIC



Metal Dark



Metal Chrome



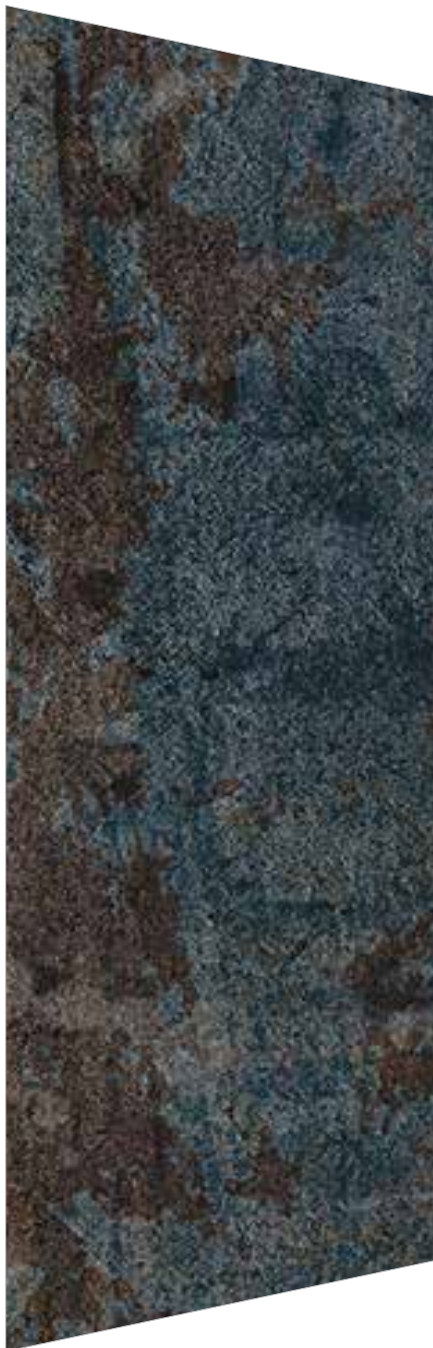
Metal Coral



Metal Anthracite



METALLIC



Metal Blue



Metal White

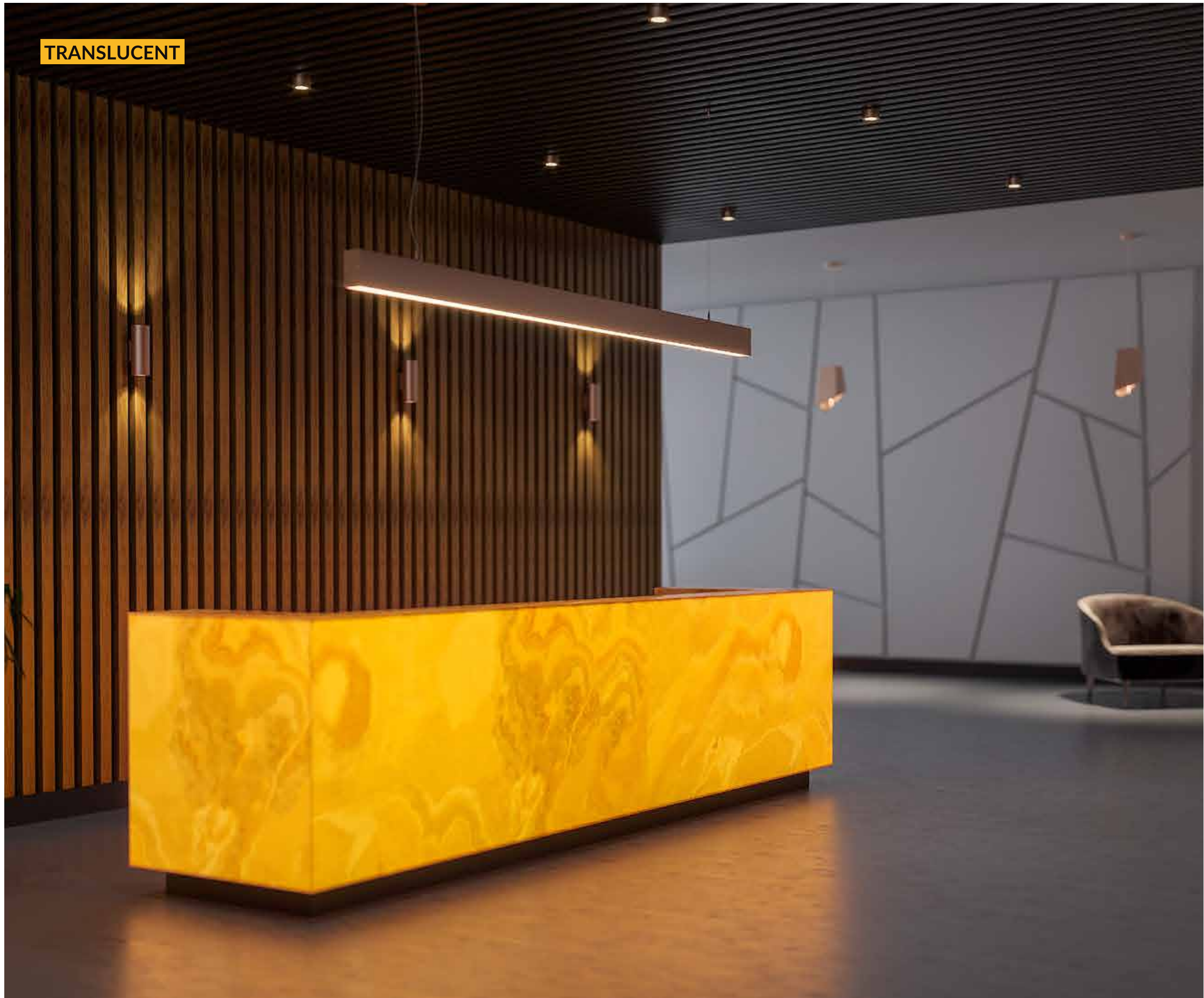
LEGNO



Wood Walnut



TRANSLUCENT



Onyx translucent





# Kaleguard

## To protect and preserve

A new era in nanocomposite coating.

## Your loved ones are protected with three advanced technologies!

Exclusively offered by Kale, Kaleguard surface protection technology creates a brand new era in nanocomposite coating. Kaleguard is incorporated in to the ceramic coating during the production phase with nanotechnological methods, stands out among its counterparts in the sector due to its permanent and full protection feature.

Kale has developed Kaleguard, a unique surface protection application that has antibacterial, water repellent and self-cleaning (photocatalytic) features. The Kaleguard surface protection system combines all these features into a single product, and can be incorporated into every Kale product in the production phase. The system is only offered by Kale.



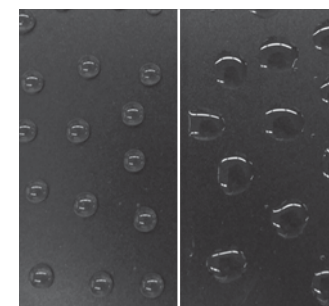
### Water-repellent, Oil-repellent & Anti-graffiti

- Less time and effort to clean up.

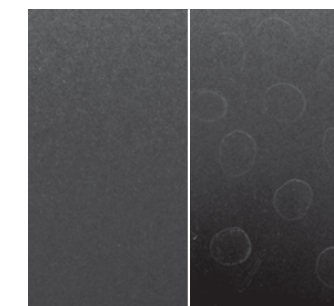
### Easy Clean / Indoor

- Less consumption of detergents.

Coated Uncoated



Coated Uncoated



After wiping

### Stain-resistant against water marks, food, beverages and bacteria.

- Hygienic bathrooms and kitchens.
- Easy to wipe food stains.

Coated Uncoated



Oil dropped on the surface

Coated Uncoated



Surface reacts

Coated Uncoated

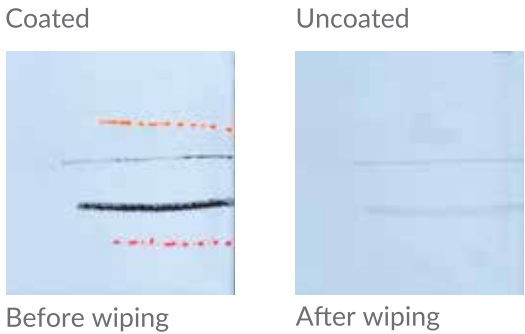


Surface can be cleaned just with poured water



Anti-graftiti

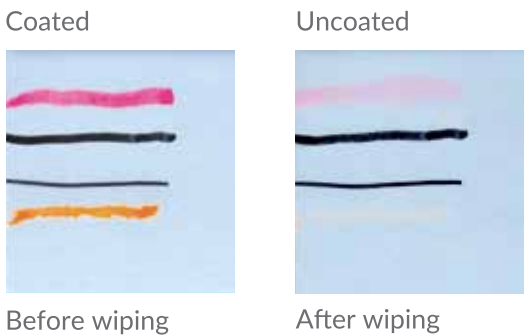
- Easy to wipe and clean pollutants like crayon, graffiti, permanent marker, board marker



Resistant to Abrasion

Living spaces will still look new, even after numerous exposures to cleaning chemicals and abrasions.

- Household chemicals. Cleaning liquids (Acidic / Alkaline).
- Bleaching agents.
- Water corrosion.



Microbial Loading

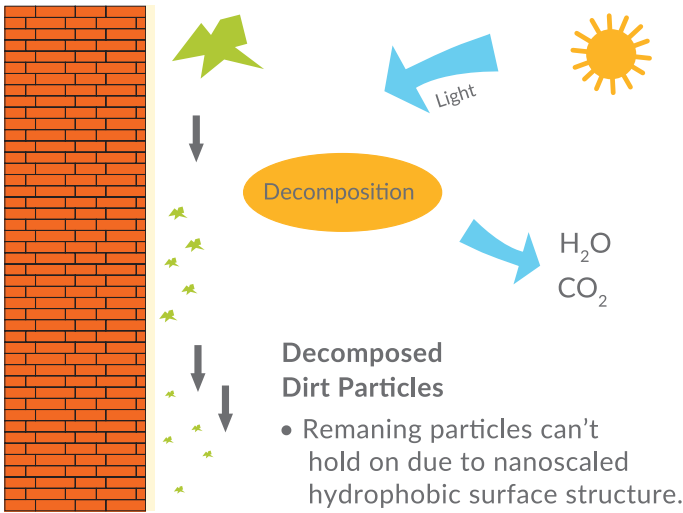
E-Coli	Start	After 24 hours
S.Aureus	5,00E+05	<10
	4,30E+05	<10

- Bacteria population decreases to less than 10 units in 24 hours. According to JISZ2801 method.



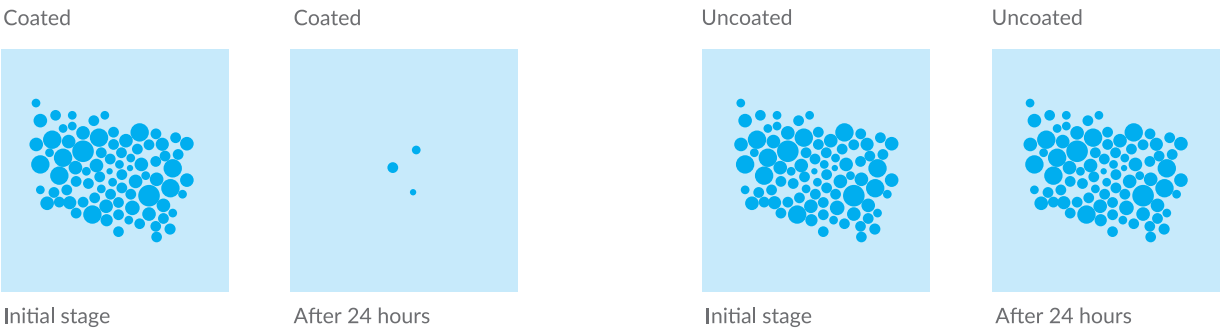
Self Clean / Photocatalytic / Outdoor

- Against soot, water marks, dust, fungus, mould, bacteria.
- Less maintenance cost.
- Always clean & dry outdoor surface.



Hygienic

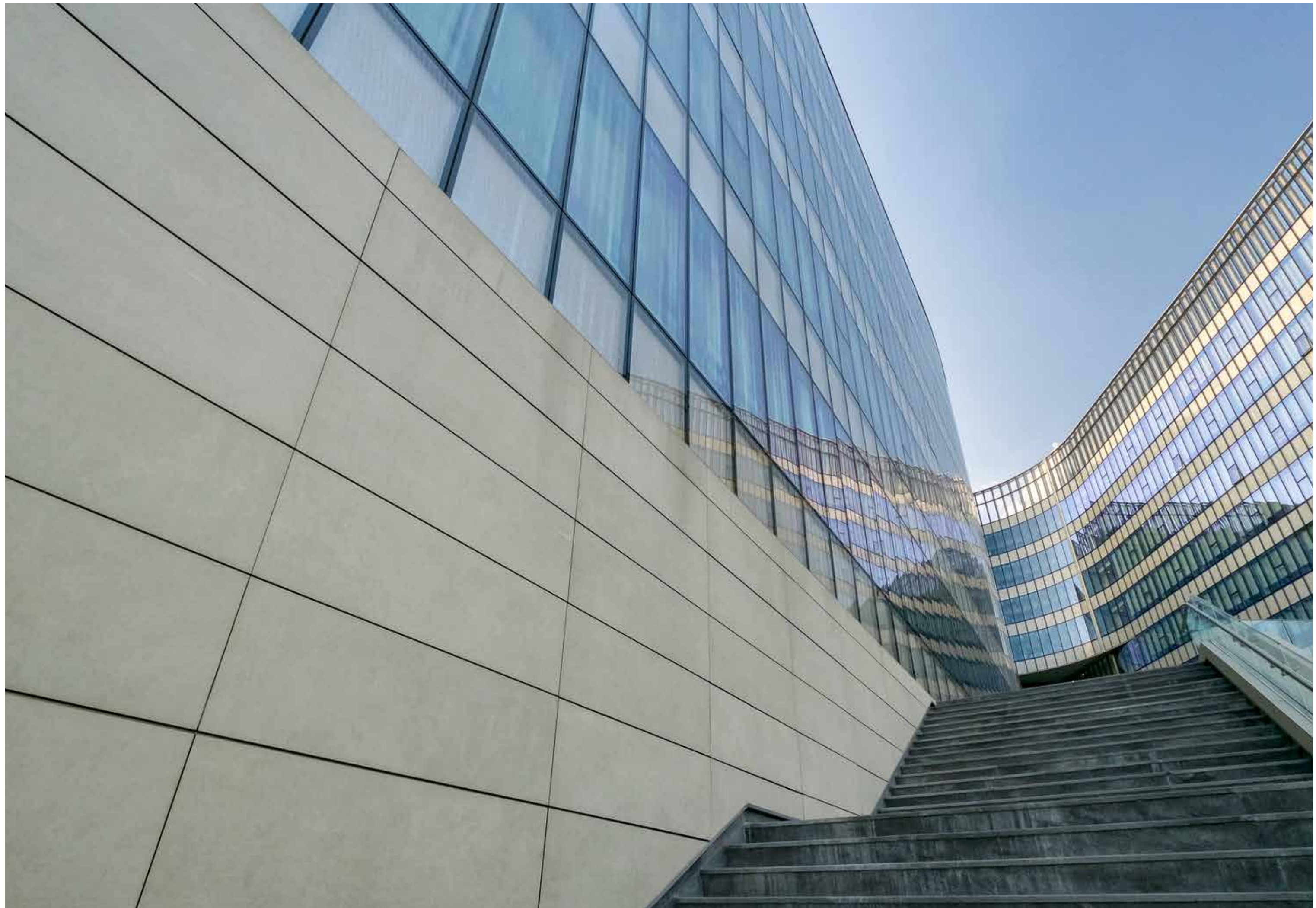
- Protects both outdoor and indoor, even in poorly lit environments.
- Hygienic; resistant to bacteria, mould and fungus.



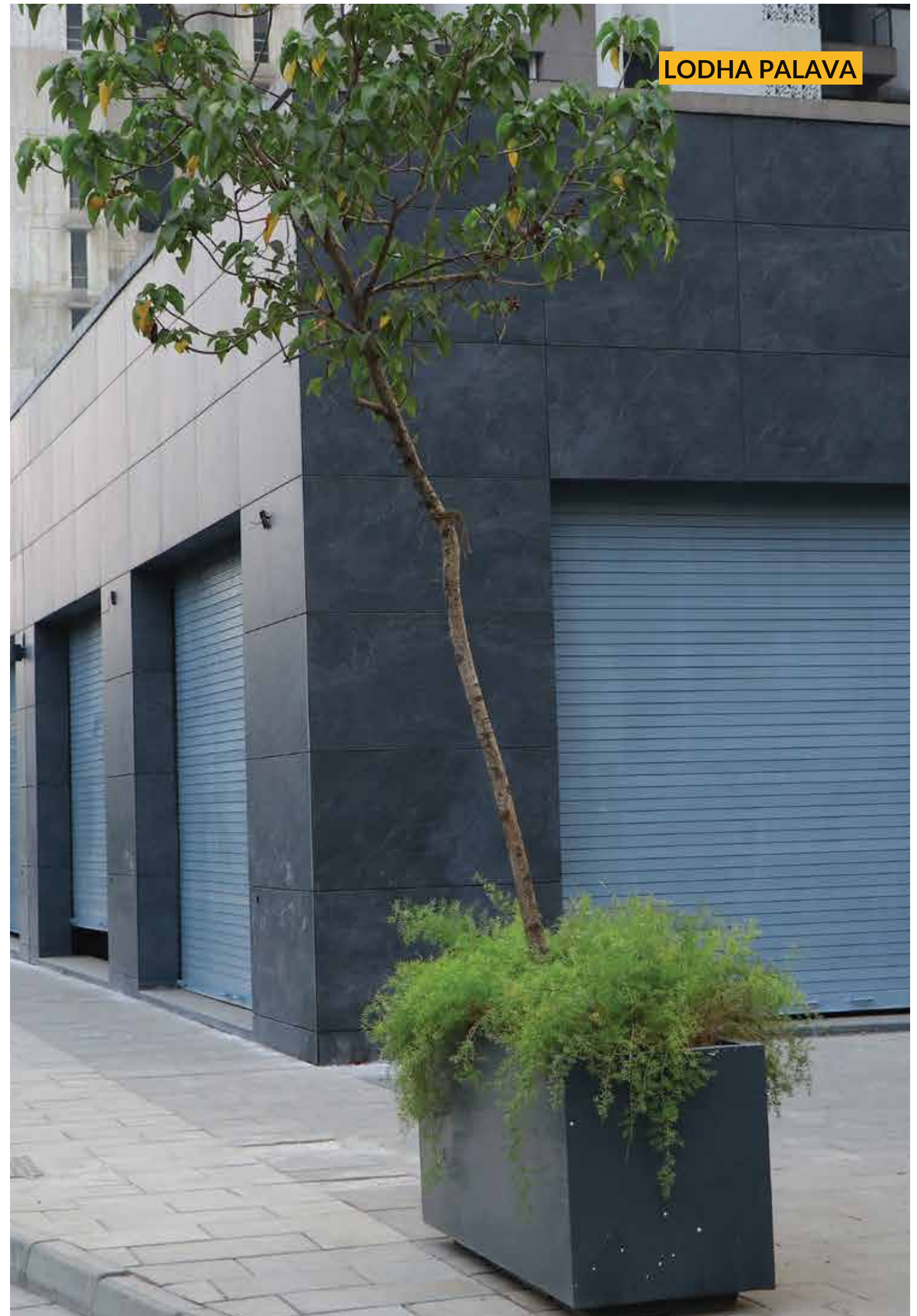
## PROJECTS













LODHA PALAVA





LOMA IT PARK

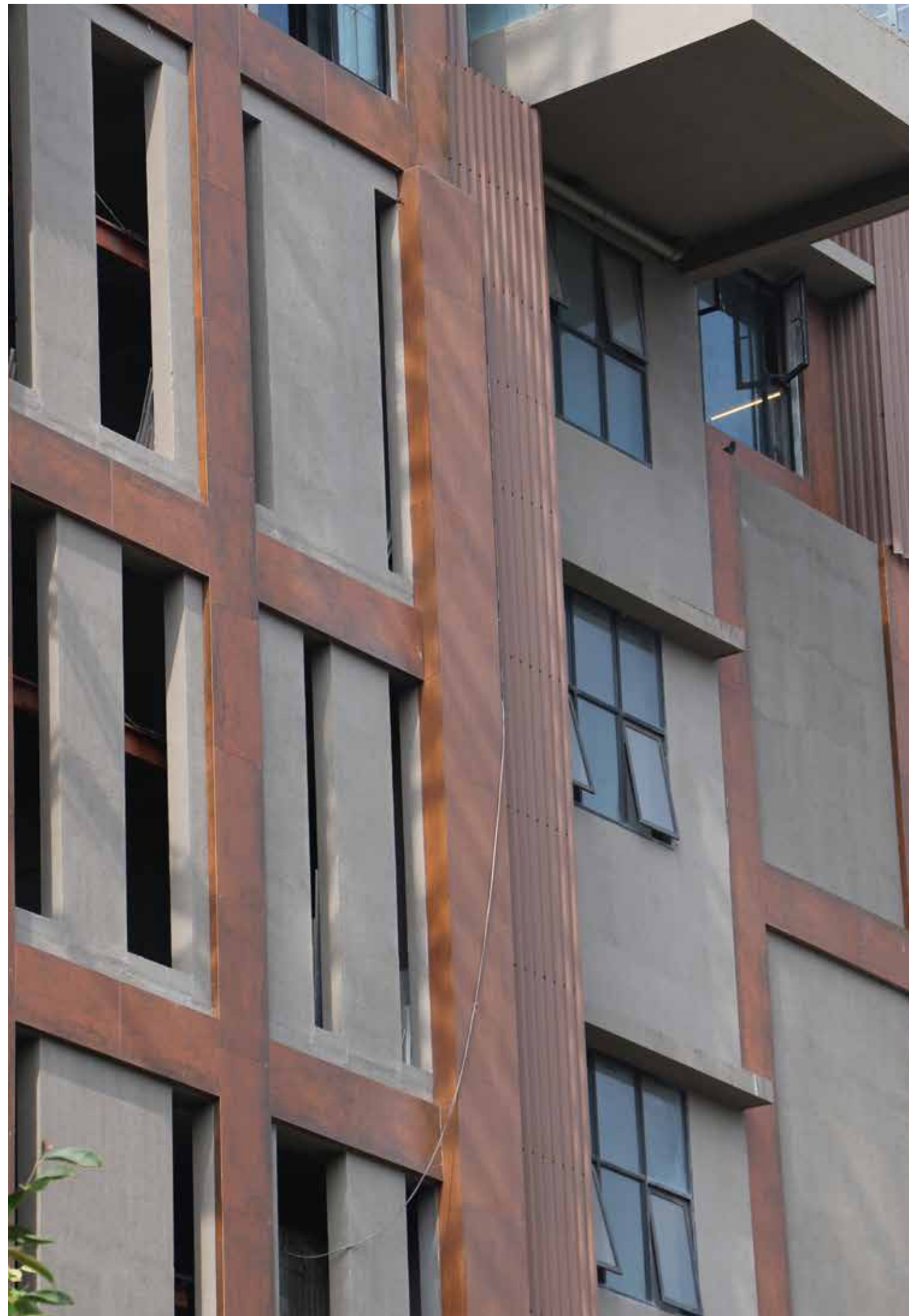




MASINA HOSPITAL







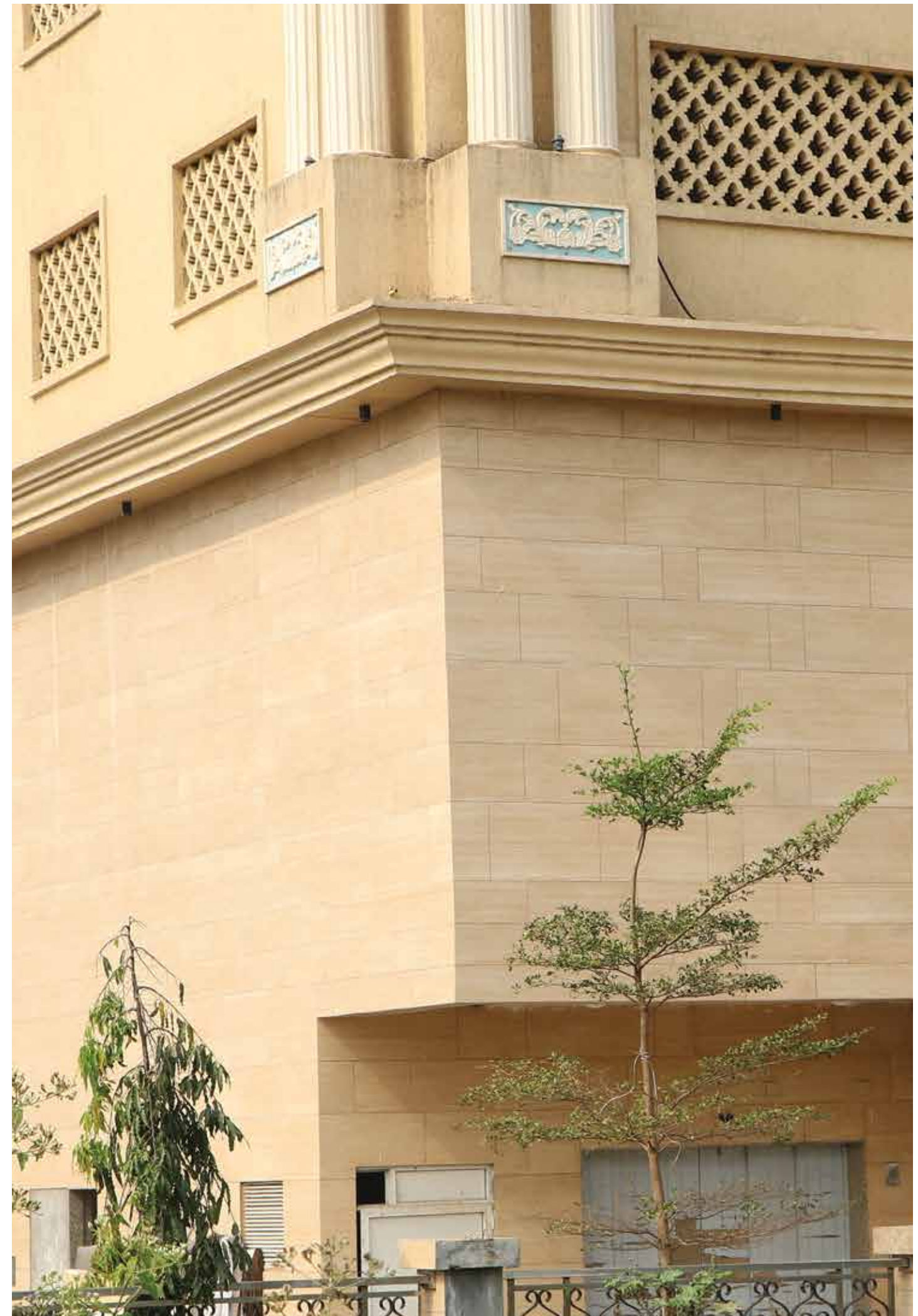


PURE GOLD





PRATIK HEIGHTS - (MUMBAI)





MUKTA RESIDENCY







TECHNICAL SPECIFICATION TABLE

EN	TECHNICAL CHARACTERISTICS	TURKISH and EUROPEAN STANDARD TS-EN 14411 ANNEX-G GL GROUP BI <sub>a</sub>	Sinterflex
ISO 10545-2	Length and width	N ≥ 15 cm ; The permissible deviation of the average size for each tile from the work size (W) ± %0,6 & ± 2,00 mm	-
	Thickness	±%5	±3%
	Rectangularity	-	-
	Straghtness of Sides	-	-
	Surface Flatness	-	-
ISO 10545-3	Water Absorbtion	E ≤ 0,5 % Individual max. % 0,6	E ≤ 0,3 %
ISO 10545-4	Breaking strength,in N	Thickness ≥ 7,5 mm ; Not less than 1300	-
		Thickness < 7,5 mm ; Not less than 700	> 700 N
	Modules of Rupture (N/mm²)	Min.35 Individual min.32	> 50 N/mm²
ISO 10545-5	Impact Resistance	Test method available	AFFIRMATIVE
ISO 10545-6	Resistance to Deep abrasion-Unglazed Tiles Only	Max.175 mm³	< 135 mm³
ISO 10545-8	Linear Thermal Expansion Coefficient	Test method available	5.9977E-06
ISO 10545-9	Resistance to Thermal Shock	Test method available	AFFIRMATIVE
ISO 10545-12	Frost Resistance	Required	RESISTANT
ISO 10545-13	Resistance to chemical	Manufacturer to state classification	AFFIRMATIVE
	Resistance to low concantrations of acids and alkalis		
	Unglazed Tiles		
	Resistance to high concantrations of acids and alkalis	Test method available	AFFIRMATIVE
	Unglazed Tiles		
	Resistance to household chemicals and swimming pool salts	Min.B	A - A
	Unglazed Tiles		
ISO 10545-14	Resistance to Staining	Manufacturer to state classification	AFFIRMATIVE
	Unglazed Tiles		
	Stains leaving a trace (pastes): Green staining agent in light oil		
	Stains having chemical / oxidizing action: Lodine, 13 g/l solution in alcohol		
	Stains forming a film: Olive oil		

CE	
Kaleseramik Çanakkale Kalebodur Seramik San. A.Ş. 17430 Çan/Çanakkale 5 004CPR-DOP2013	
EN 14411 Kuru Preslenmiş Sırlı Porselen Karo, Su emmesi E ≤ 0,5% olan, iç ve dış mekan duvar ve yer kaplamaları için //	
Dry-pressed glazed porcelain tiles, with water absorption E ≤ 0,5%, for internal and external wall and floorings	
Yangına Dayanım // Reaction to fire	A1/A1-L
Açığa Çıkan Tehlikeli Maddeler // Release of dangerous substances, for:	
- Kadmium // Cadmium	NPD
- Kurşun // Lead	NPD
Breaking strength // Kırılma	Kalınlık /Thickness t27,5mm BS>1300 N
Dayanımı	Kalınlık //Thickness t<7,5mm BS>700 N
Çimentolu yapıştırıcılar, tip C2// Cementitious adhesive, type C2	≥1,0 N/mm2
Kayma Direnci // Slipperiness, as	DoP'da deklare edilmiştir. // Declaired at DOP
Dayanıklılık // Durability for:	
İç mekan kullanımı // internal use:	Pass / Geçer
- Dış mekan kullanımı donma - erime çevrimine dayanıklılık // external use: freeze-thaw resistance	Pass II Geçer
Dokunabilirlik //Tactility	NPD
Termal Şok Dayanımı // Thermal Shock Resistance	Pass II Geçer

QUALITY MANAGER





**Kalesinterflex®**  
PORCELAIN SLIM SLABS

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