

QUANTUM

PORCELAIN TILES





# QUANTUM

PORCELAIN TILES

Founded in 2006 by Sheikh Khaled Bagedo, Arabian Ceramic is one of the largest producers in the Middle East and has a daily production of 50 000sq.m.

For more than 16 years, designing and manufacturing floor and wall coverings for public, commercial, and residential settings, Arabian ceramics holds one of the largest share in the middle East market and its strategy is based on trust, partnership and the ability to shape the chain of activity leading from suppliers to end customers.

**Quantum Porcelain**, the company's new brand is dedicated to the production of porcelain tiles with increased properties, and even more exquisite designs, for floor & wall coverings and outdoor projects.

Produced with the latest technology, refined raw materials and outstanding features, represents the new generation of innovative surface materials.

The extensive range of porcelain surfaces for interiors, exteriors, and decorative tiles meet all the needs of developers, architects and end-users all over the world.

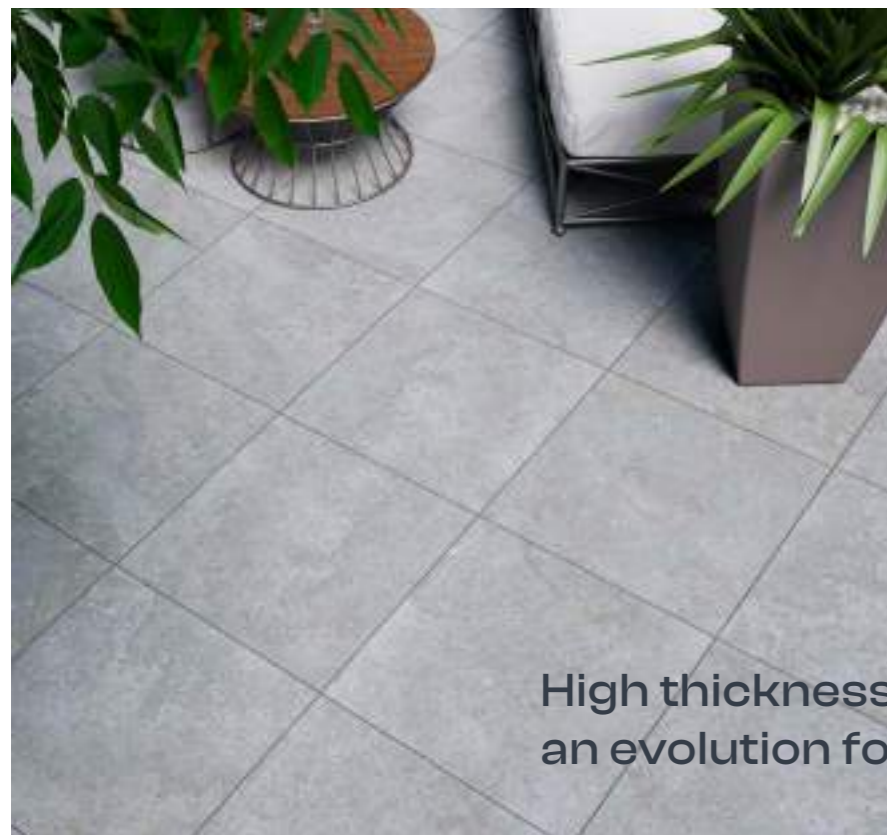
# quantum extra thickness



The exteriors of private homes, as well as public areas with a large influx of people and road traffic, need to have high resistance flooring, low maintenance and with a high non-slip capacity to be completely safe and functional.

One of the great advantages of the 20 mm porcelain is its inalterability over time. Porcelain floors retain their original appearance over time, in addition to keeping intact its high technical performance, such as sudden changes in temperature, resistance to breakage, resistance to bending, resistance to stains, resistance to chemical products, fire resistance, etc.

20 mm Quantum Porcelain tiles are the ideal solution for outdoor installations.



High thickness porcelain tiles,  
an evolution for innovative floorings!

#### FOR THE HOME

- Walkway
- Driveways
- Paths
- Verandas
- Swimming pools
- Courtyards
- Garages
- Stairs

#### FOR PUBLIC SPACES

- Public services
- Hotels
- Private beaches
- Shops
- F&B shops
- Wellness centres
- Urban design
- Safety passages

the perfect combination between high technical performance and aesthetics

20 mm outdoor quantum porcelain is the product in with the highest technical performance, ideal for outdoor environments without the risk of breakage and without interrupting the continuity between interior and exterior spaces.

Resistant to frost and thermal shock, has anti-slip characteristics and is easy to clean.



VERSATILE AND MODULAR



EASY TO INSTALL



MATCHING INDOOR OUTDOOR



EASY TO CLEAN



SUPERIOR BREAKING STRENGTH



REMOVABLE AND REUSABLE





















QUANTUM

PORCELAIN TILES



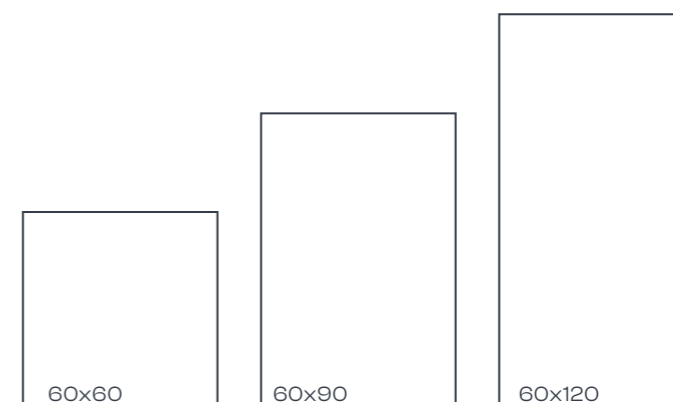
[www.quantum-tiles.com](http://www.quantum-tiles.com)

# collections

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the future is  
quantum

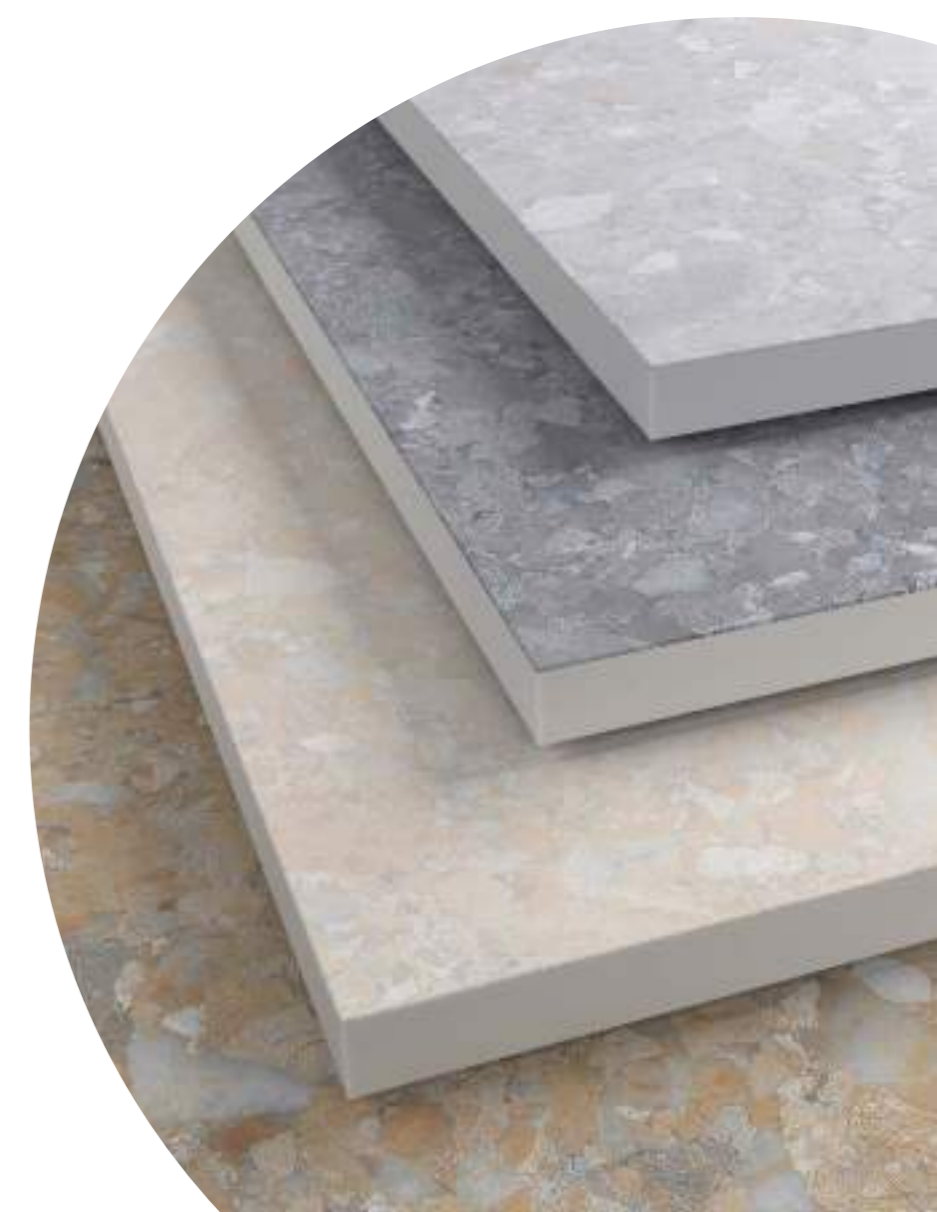
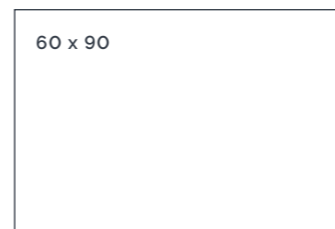
20MM





# ailin collection

-  cream
-  brown
-  lt. grey
-  grey





ailin  
brown

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 90 cm  
60 x 60 cm



**AVAILABLE SIZES**

60 x 90 cm  
60 x 60 cm

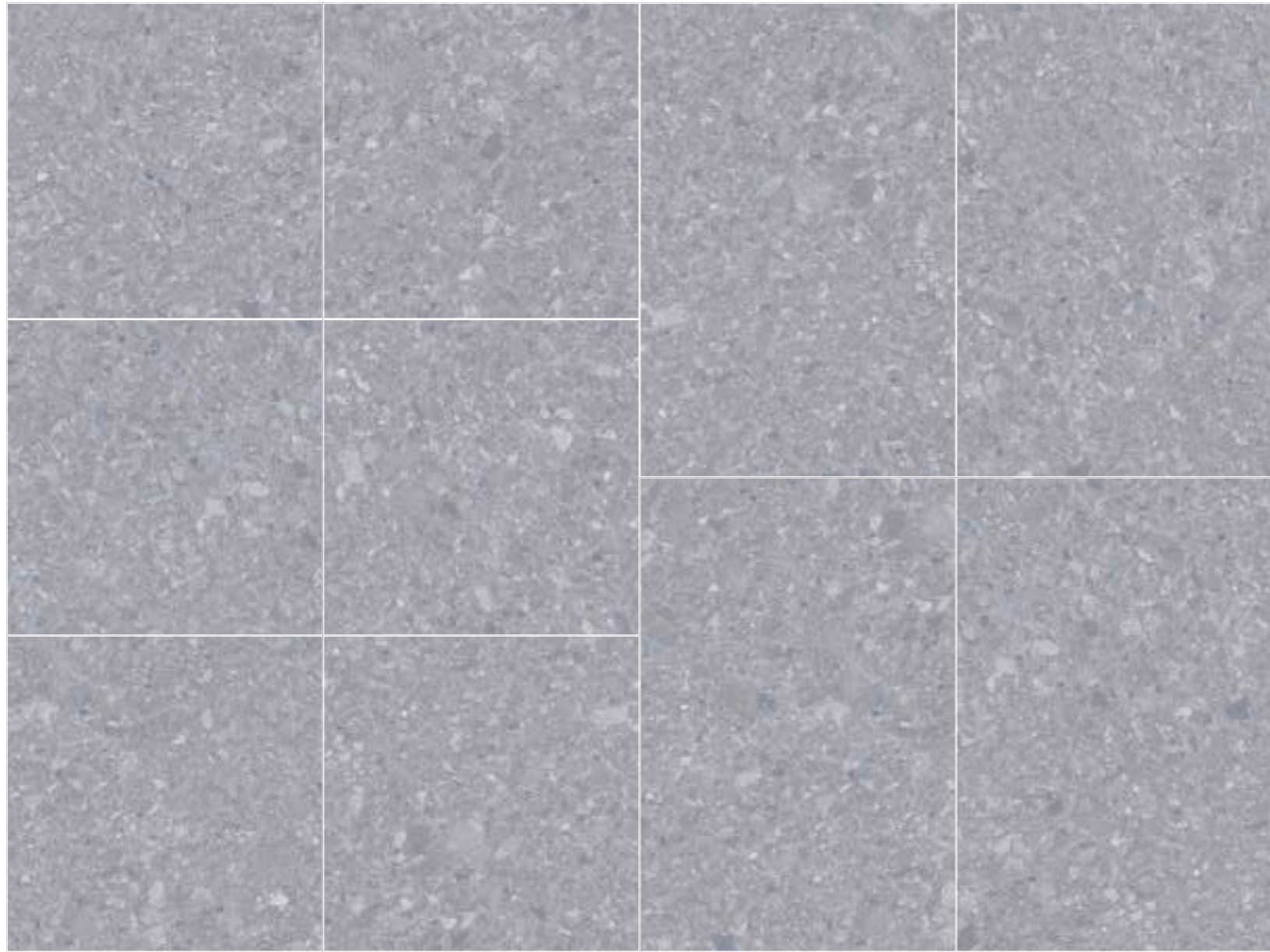
ailin  
cream

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



ailin  
grey

100% SIZE



**AVAILABLE SIZES**

60 x 90 cm  
60 x 60 cm



**AVAILABLE SIZES**

60 x 90 cm  
60 x 60 cm

ailin  
lt. grey

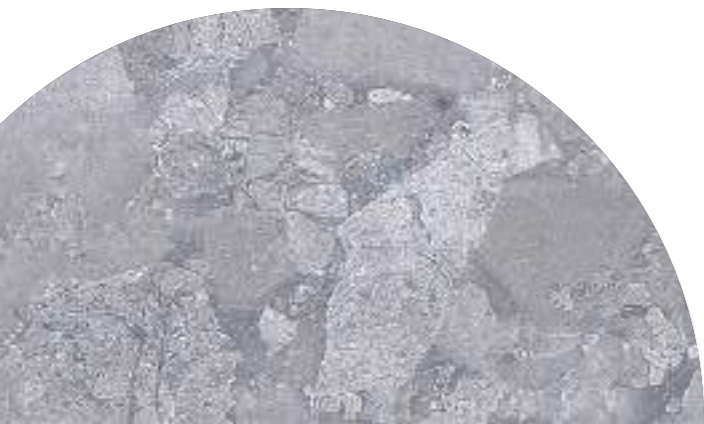
100% SIZE

**FINISHES**

Textured touch  
Anti slip matt

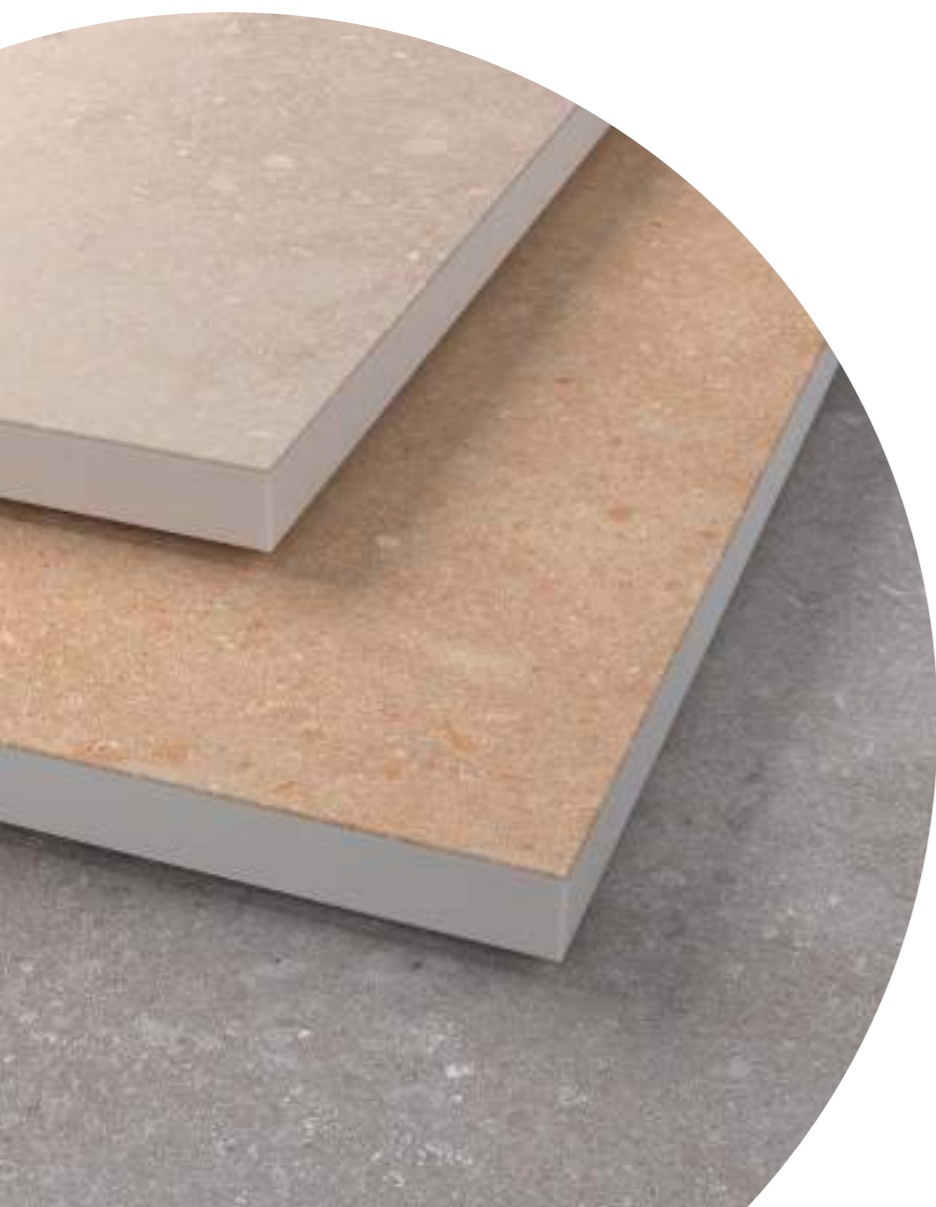
**FINISHES**

Textured touch  
Anti slip matt





# atlantide collection



- marfil 
- beige 
- grey 



#### AVAILABLE SIZES

- 60 x 120 cm
- 60 x 90 cm
- 60 x 60 cm

#### FINISHES

- Textured touch
- Anti slip matt

atlantide  
grey

100% SIZE





## atlantide beige

100% SIZE



### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



## atlantide marfil

100% SIZE



### FINISHES

Textured touch  
Anti slip matt




### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# bethel collection

-  cream
-  lt. grey
-  grey





**bethel**  
cream

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



**bethel**  
lt. grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# bethel grey

100% SIZE



### FINISHES

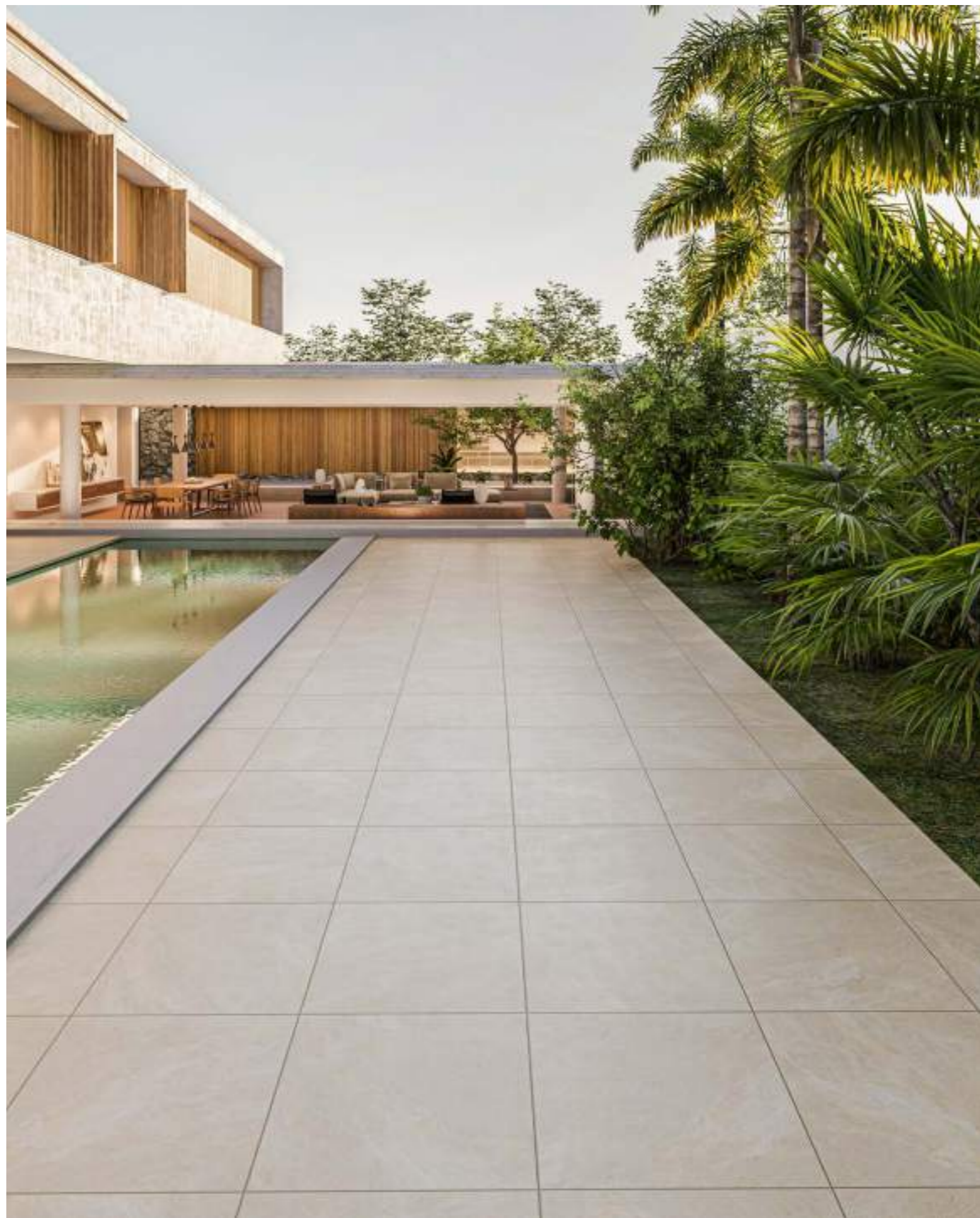
Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm





# blend collection



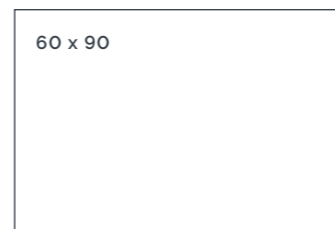
cream



brown



grey





## blend cream

100% SIZE



### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 90 cm  
60 x 60 cm



## blend brown

100% SIZE



### FINISHES

Textured touch  
Anti slip matt



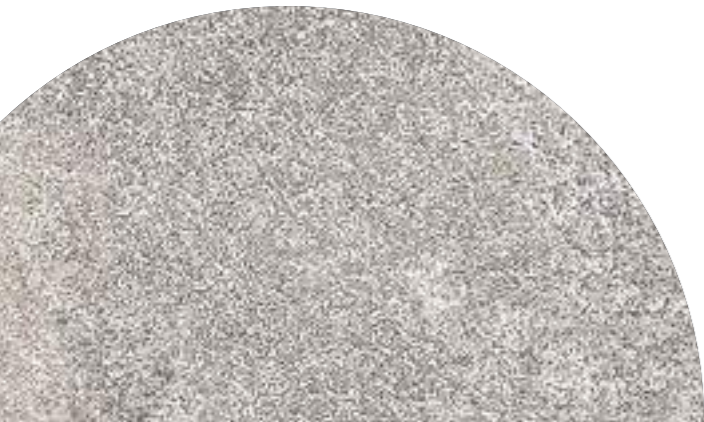
### AVAILABLE SIZES

60 x 90 cm  
60 x 60 cm



blend  
grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

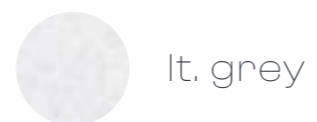
60 x 90 cm  
60 x 60 cm







# capitol collection



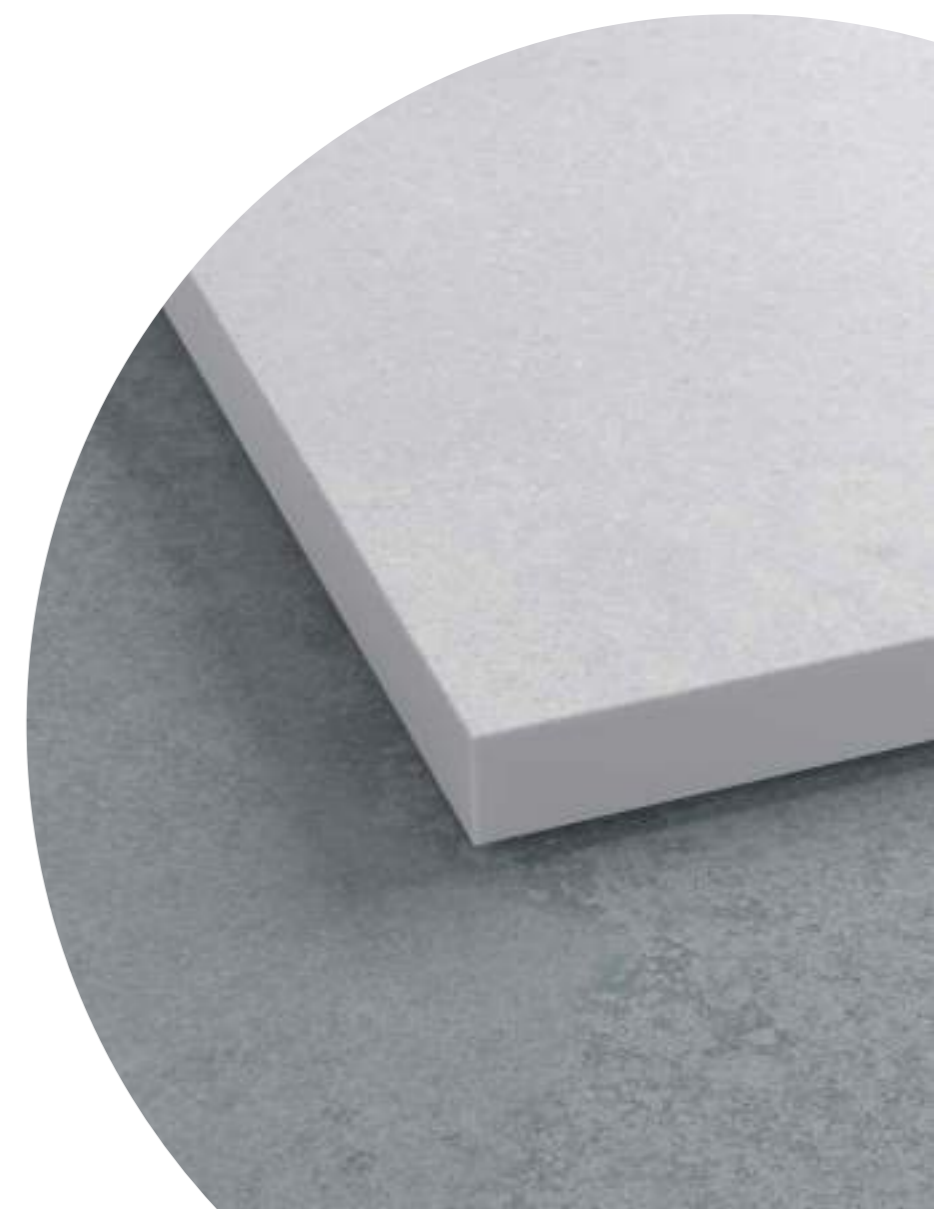
lt. grey



grey

60 x 120

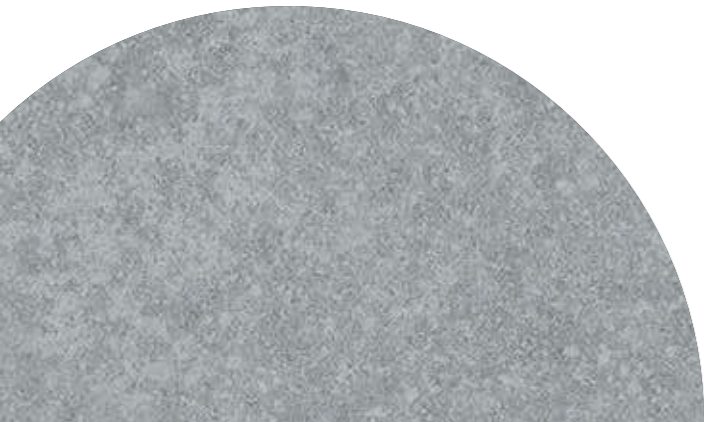
60 x 60





# capitol grey

100% SIZE



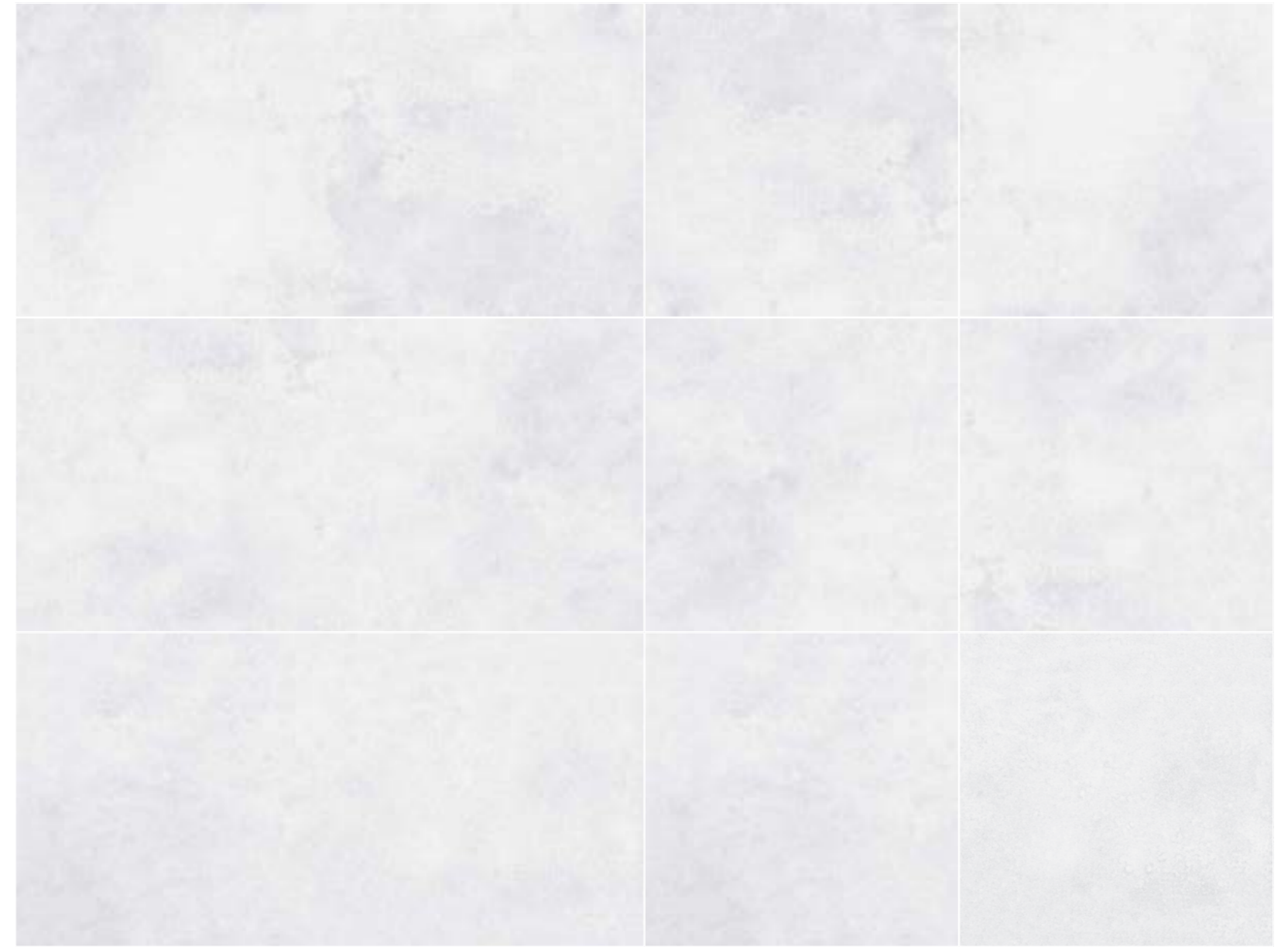
### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 60 cm



# capitol lt. grey

100% SIZE



### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

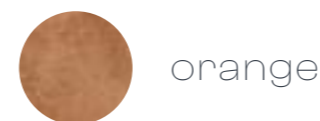
60 x 120 cm  
60 x 60 cm



# cotto collection



cream



orange

60 x 60





# cotto orange

100% SIZE



## FINISHES

Textured touch  
Anti slip matt



## AVAILABLE SIZES

60x60 cm



# cotto cream

100% SIZE



## FINISHES

Textured touch  
Anti slip matt




## AVAILABLE SIZES

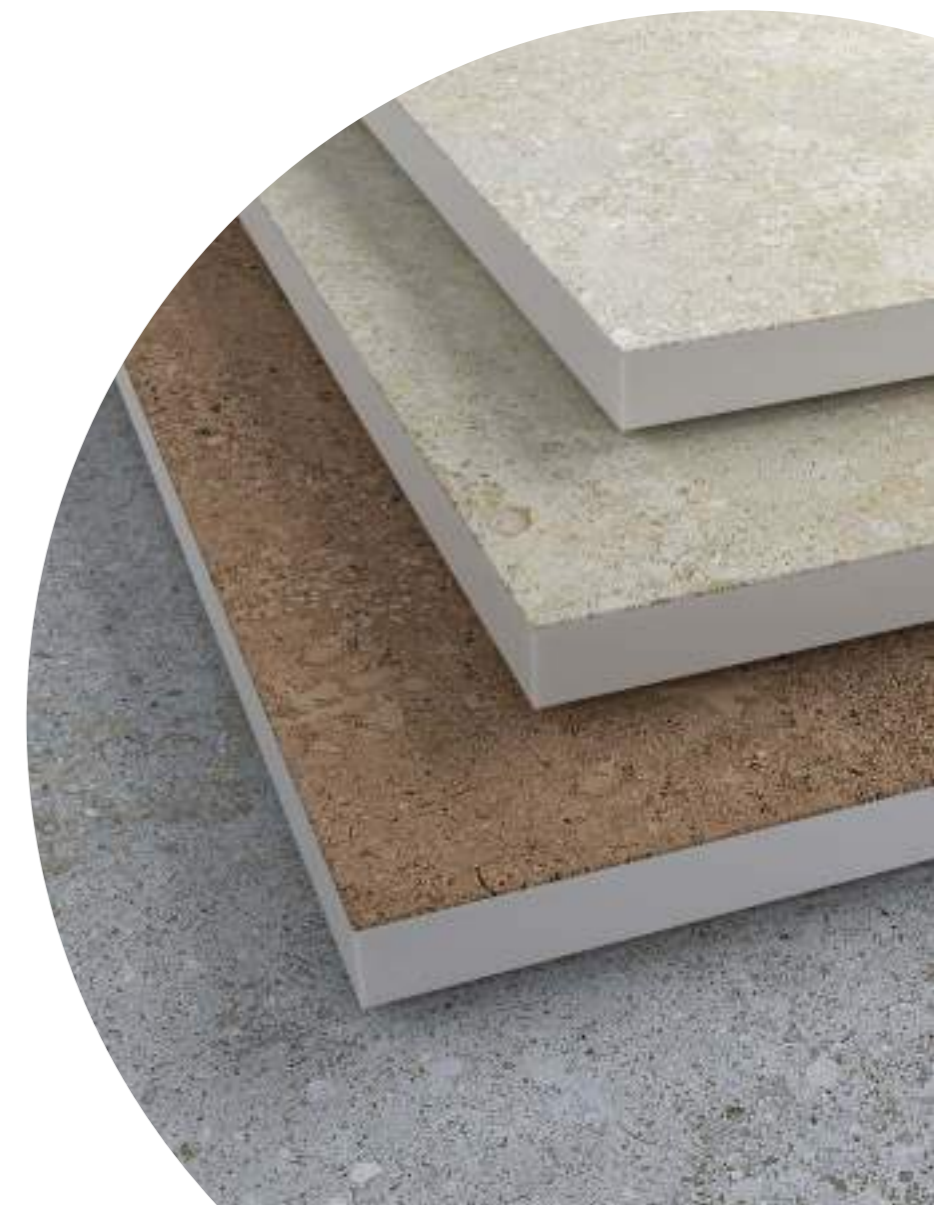
60x60 cm



# dakota collection

-  ivory
-  sand
-  brown
-  grey

60 x 60





**dakota**  
ivory

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60x60 cm



**AVAILABLE SIZES**

60x60 cm

**dakota**  
sand

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



dakota  
brown

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



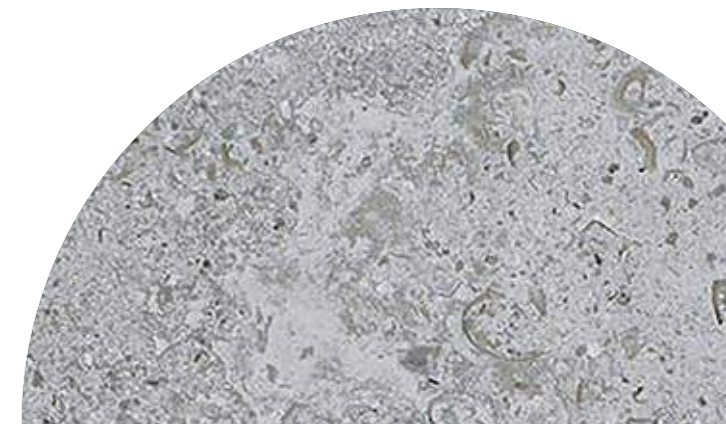
**AVAILABLE SIZES**

60x60 cm



dakota  
grey

100% SIZE



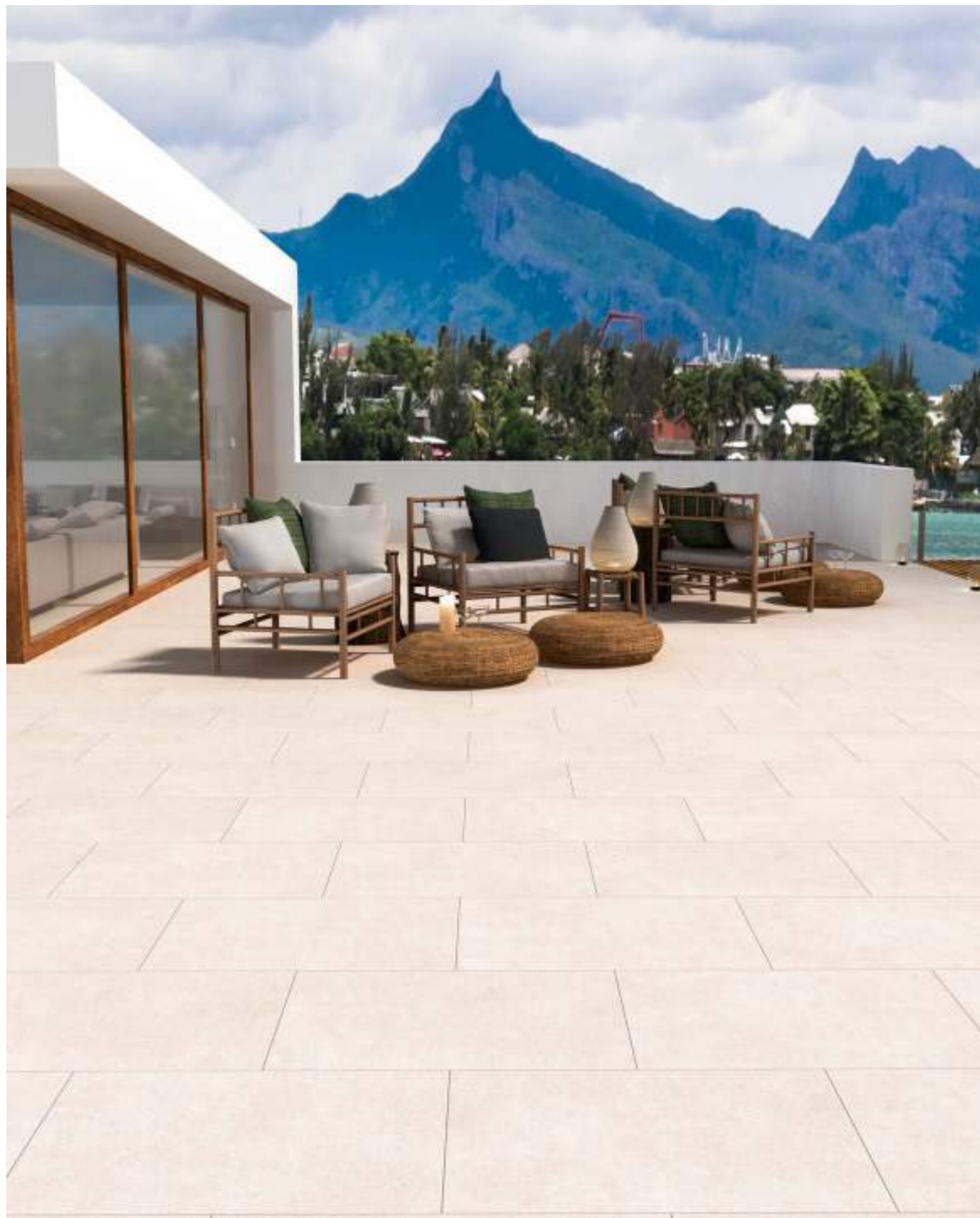
**FINISHES**

Textured touch  
Anti slip matt

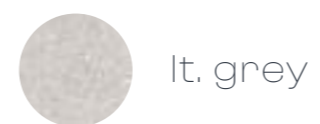


**AVAILABLE SIZES**

60x60 cm



# district collection



lt. grey



sand







# district lt. grey

100% SIZE



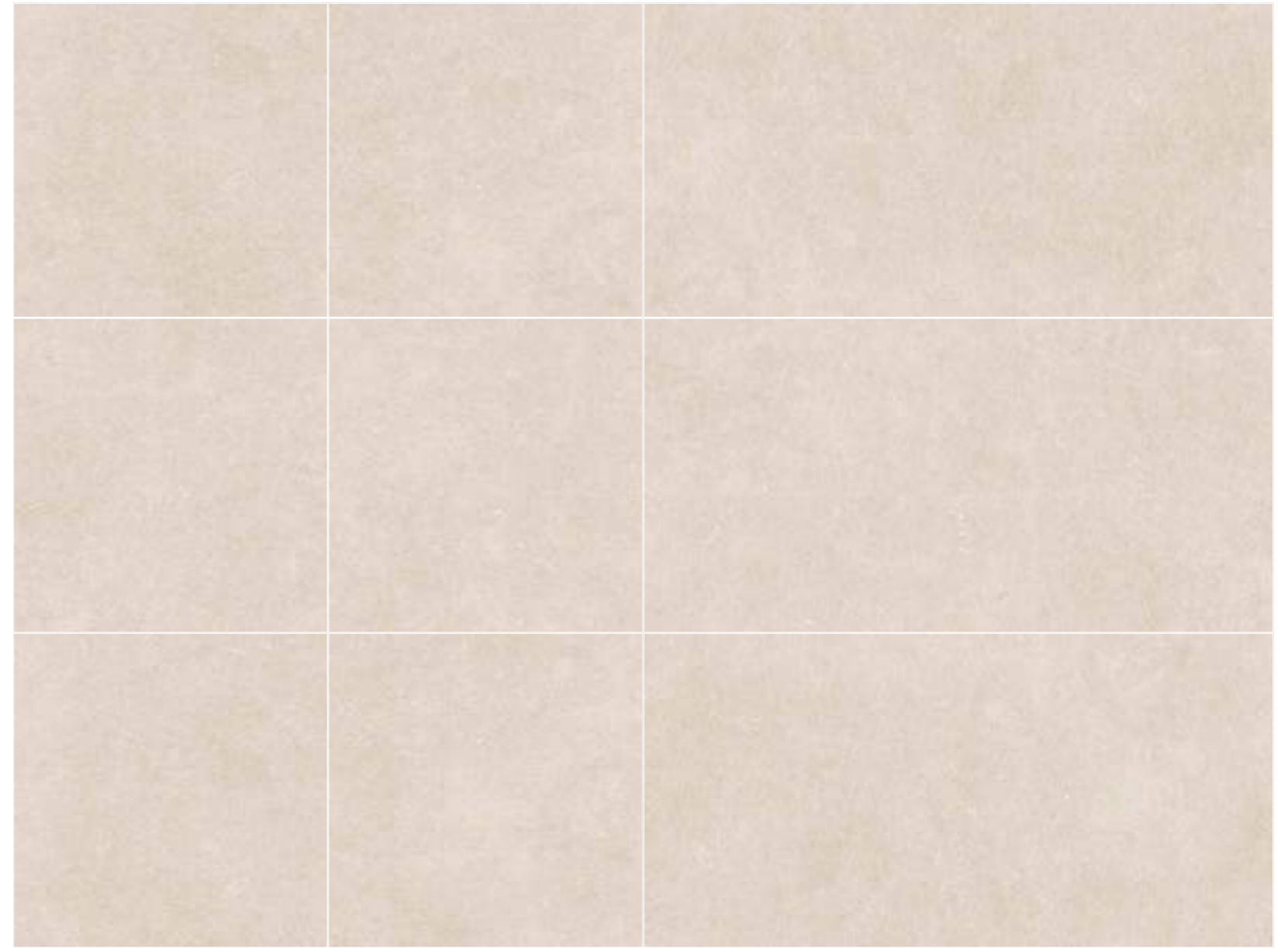
### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# district sand

100% SIZE



### FINISHES

Textured touch  
Anti slip matt






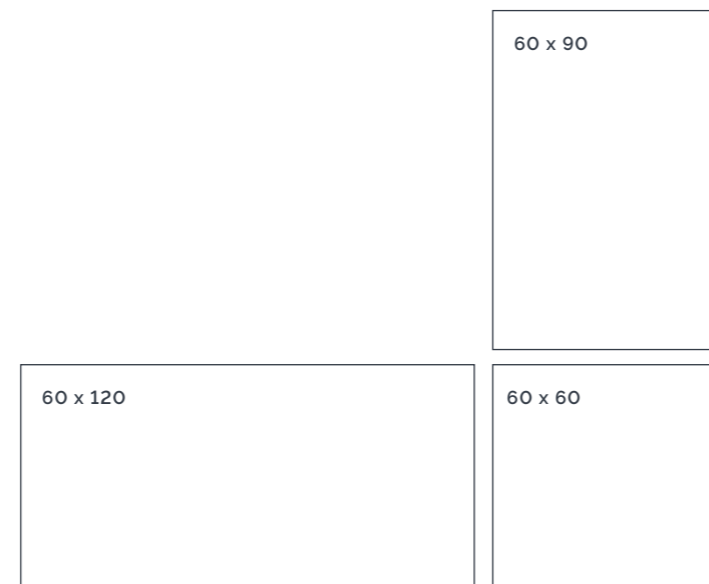
### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

# genesis collection



- ivory 
- beige 
- moka 



#### AVAILABLE SIZES

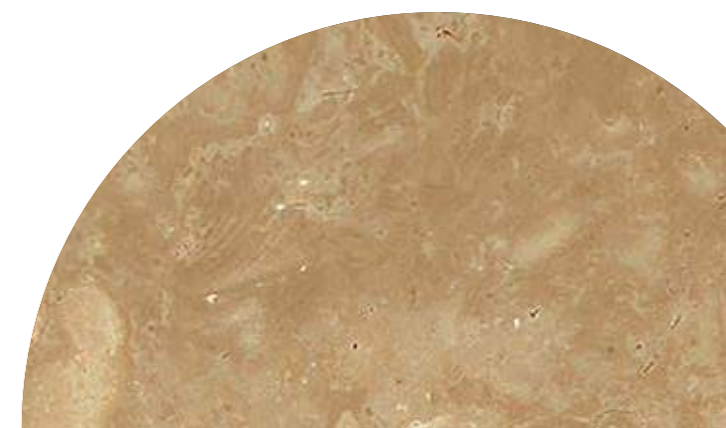
- 60 x 120 cm
- 60 x 90 cm
- 60 x 60 cm

#### FINISHES

- Textured touch
- Anti slip matt

genesis  
beige

100% SIZE





genesis  
moka

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



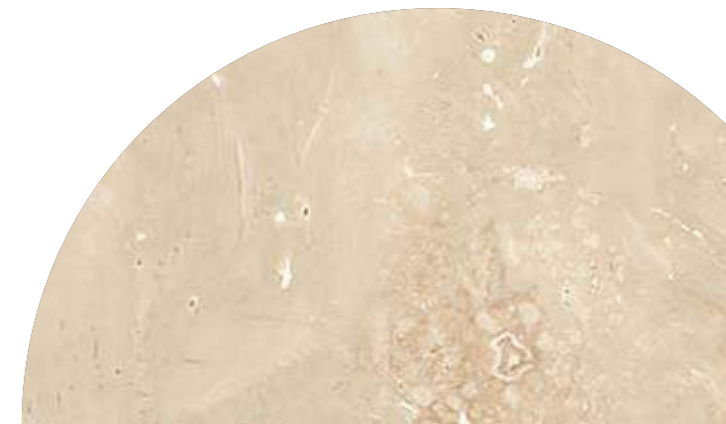
**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



genesis  
ivory

100% SIZE



**FINISHES**

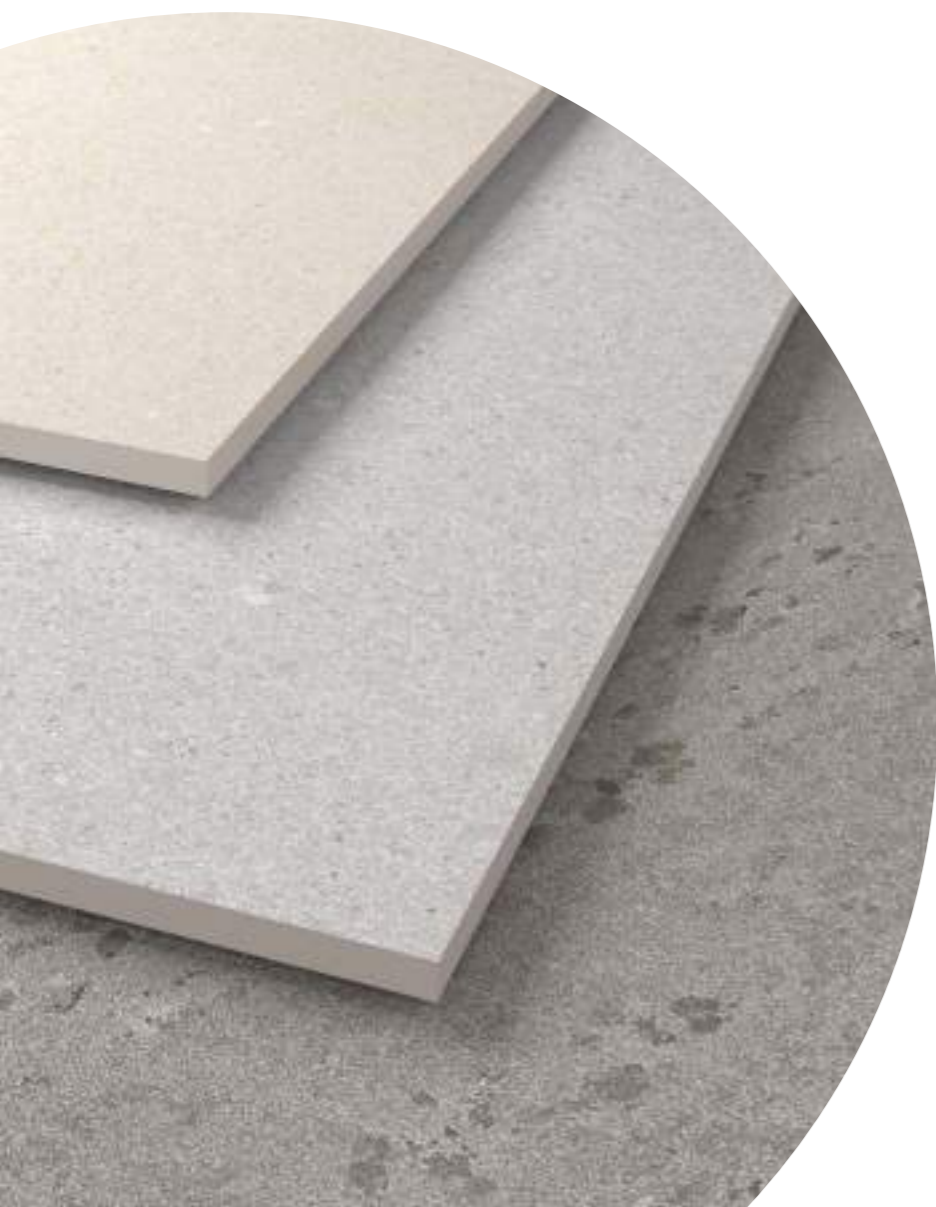
Textured touch  
Anti slip matt






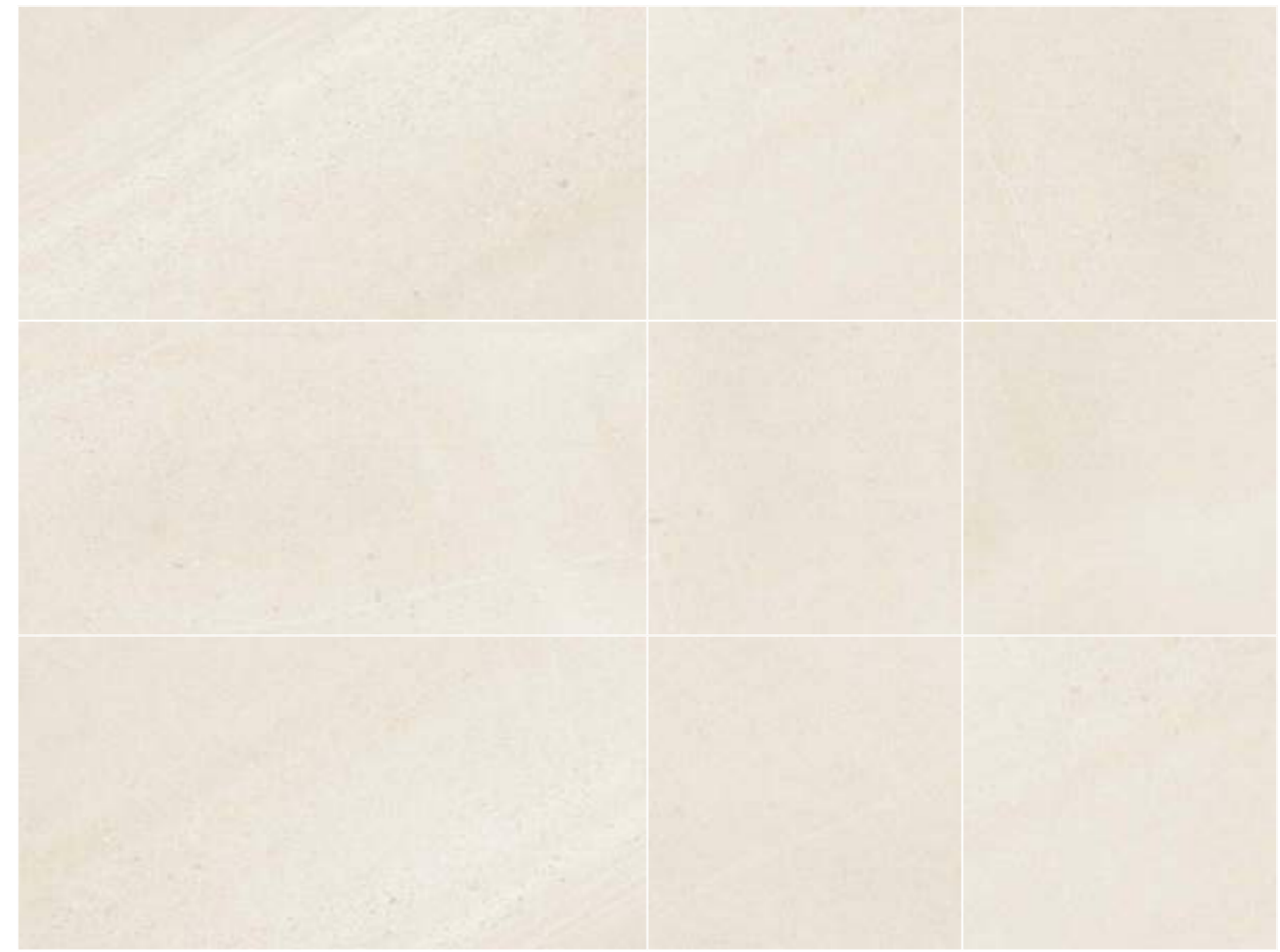
**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

# lode collection



- cream 
- lt. grey 
- grey 



#### AVAILABLE SIZES

- 60 x 120 cm
- 60 x 90 cm
- 60 x 60 cm

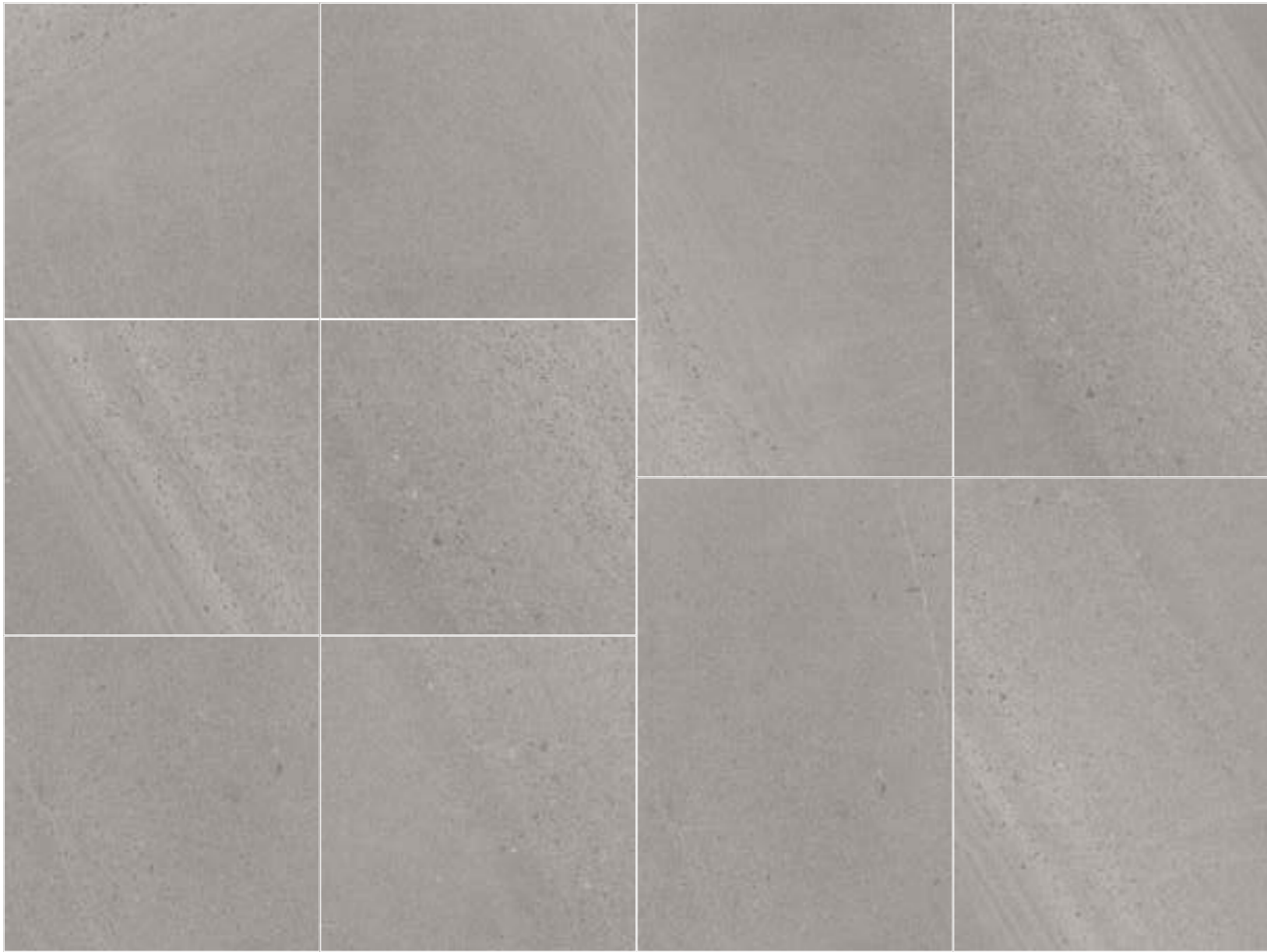
#### FINISHES

- Textured touch
- Anti slip matt

lode  
cream

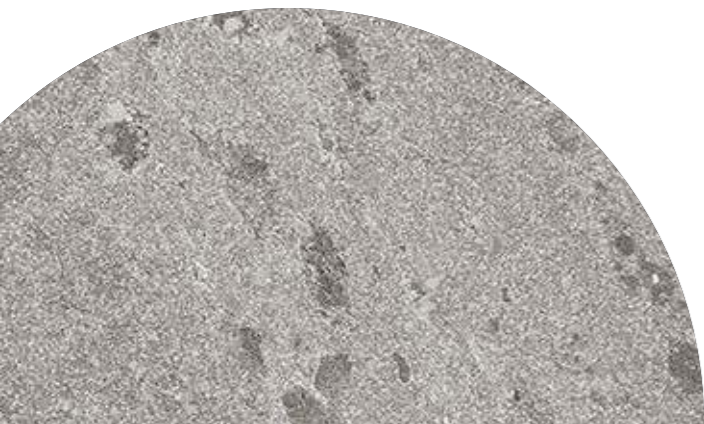
100% SIZE





**lode**  
grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

**lode**  
lt. grey

100% SIZE






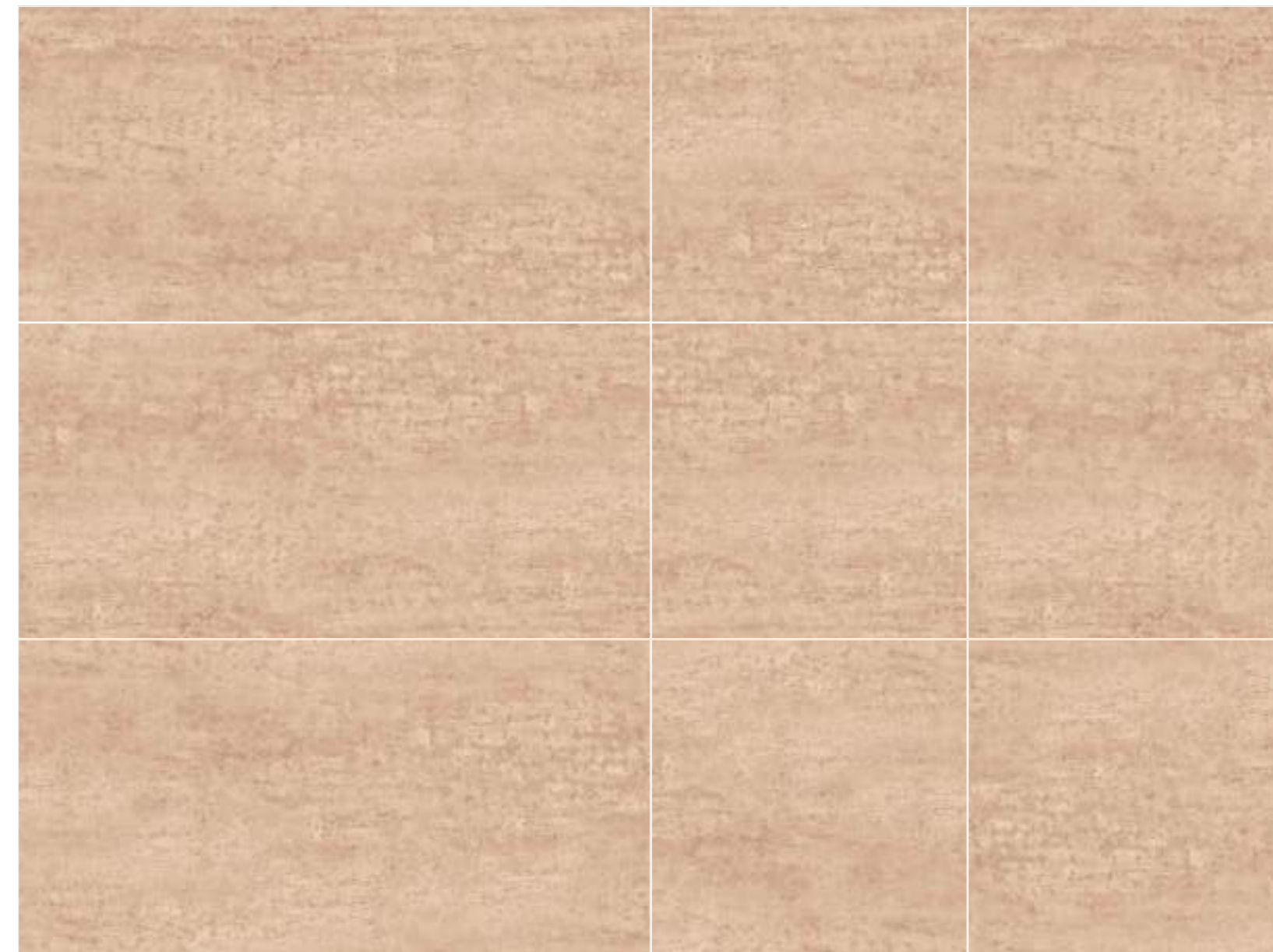
**FINISHES**

Textured touch  
Anti slip matt

# polis collection



- white 
- grey 
- beige 



#### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

#### FINISHES

Textured touch  
Anti slip matt

polis  
beige

100% SIZE





polis  
grey

100% SIZE



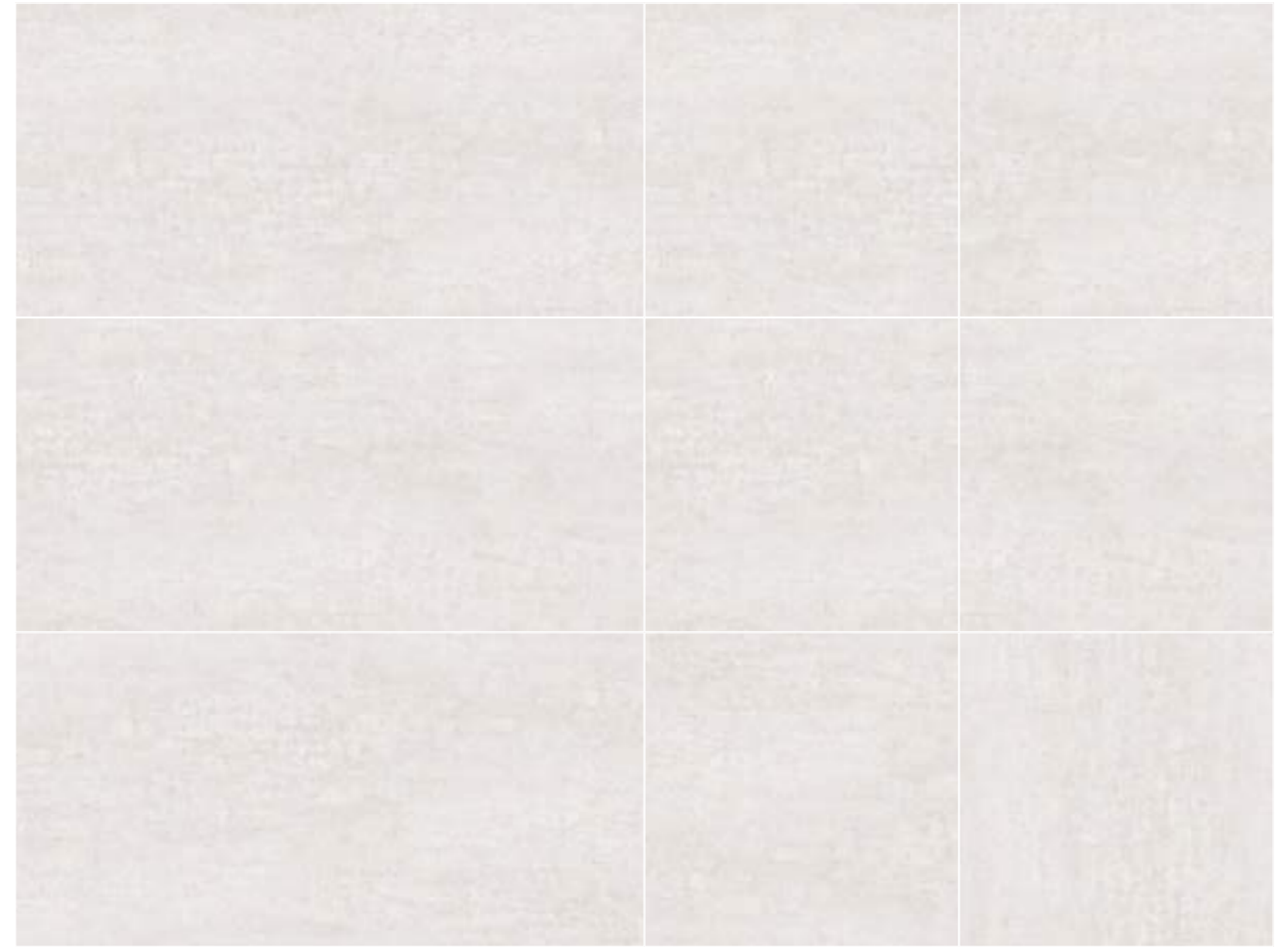
**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



polis  
white

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt





**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# provenza collection

-  lt. grey
-  beige







provenza  
lt. grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



provenza  
beige

100% SIZE



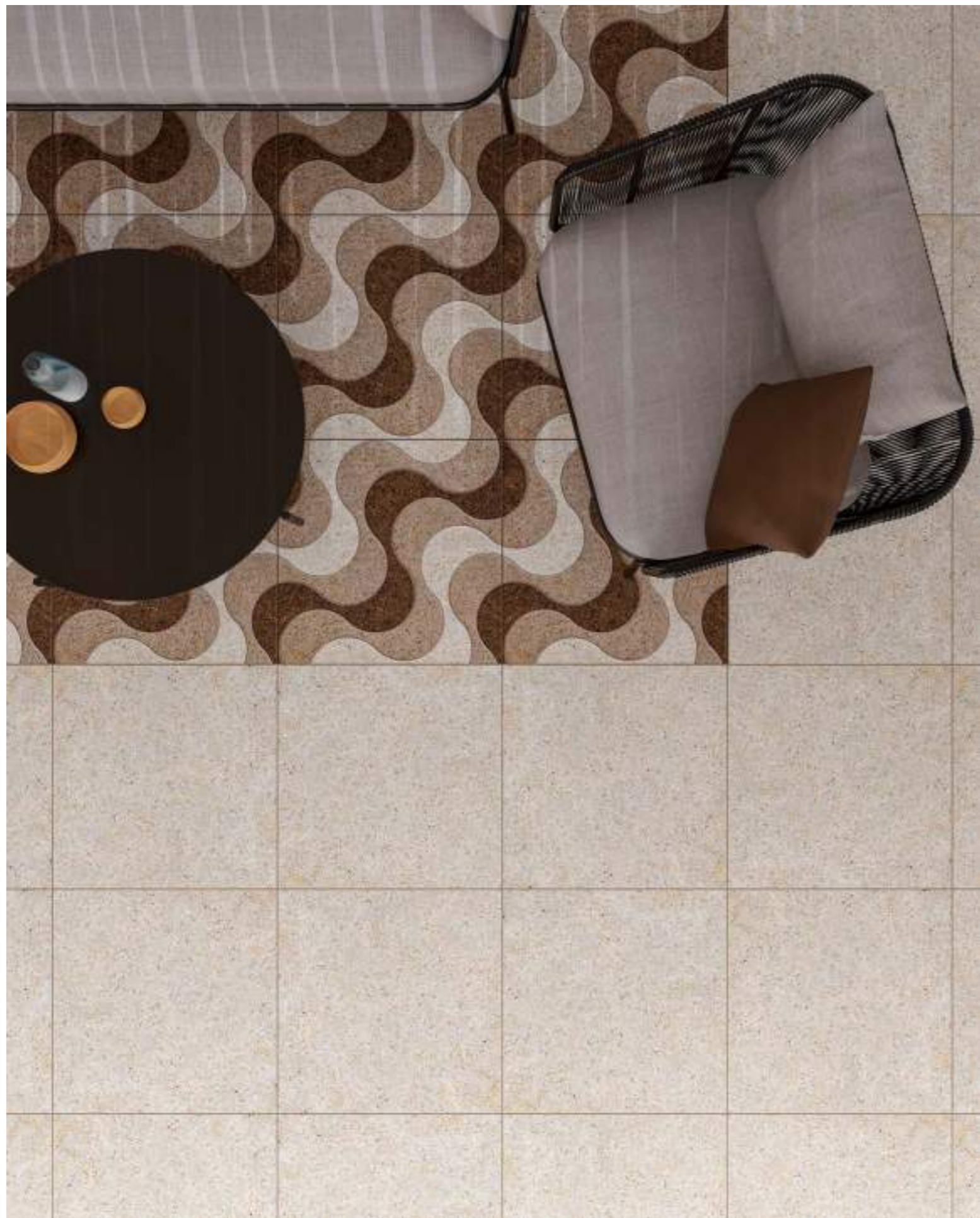
**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

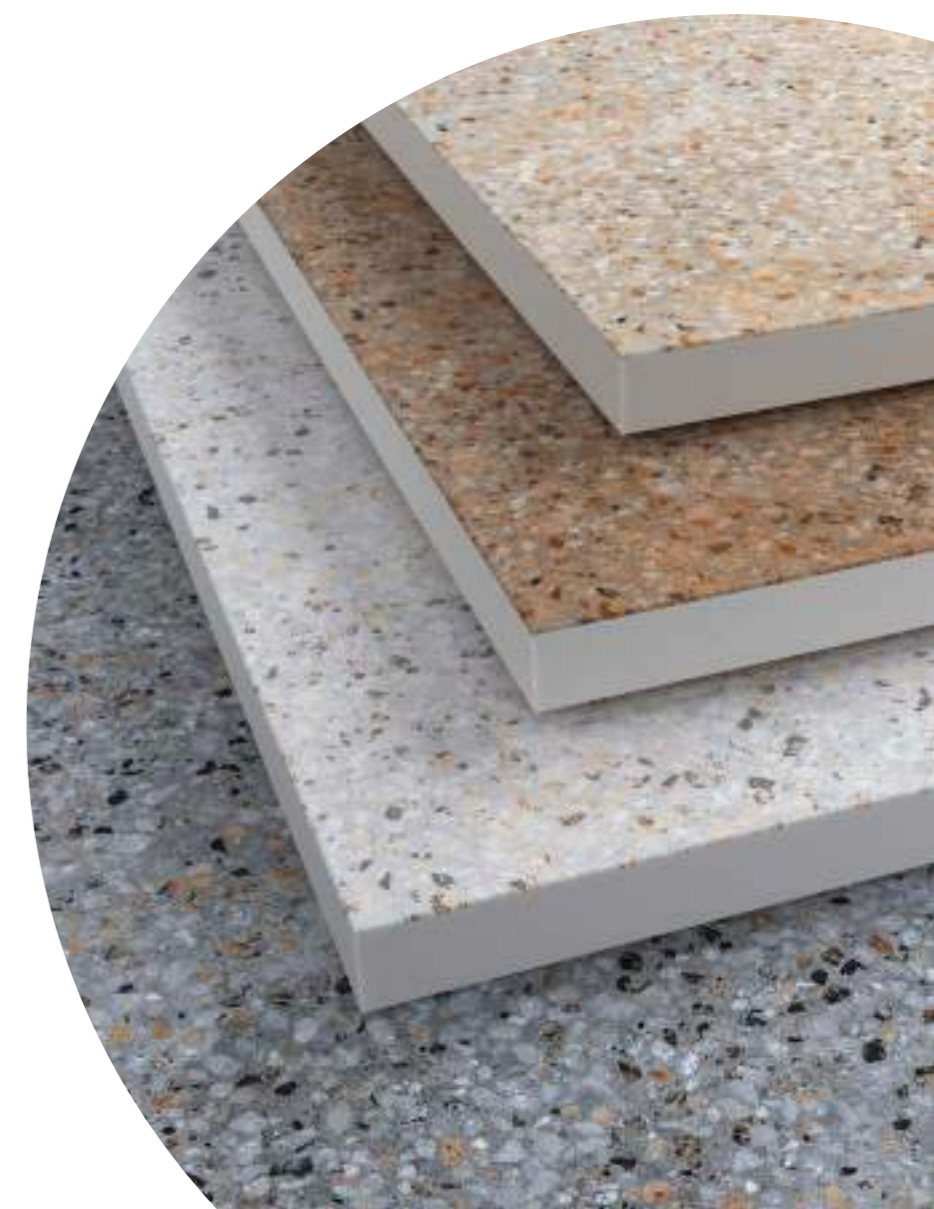
60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# salt collection

-  cream
-  brown
-  lt. grey
-  grey

60 x 60





salt  
cream

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 60 cm



**AVAILABLE SIZES**

60 x 60 cm

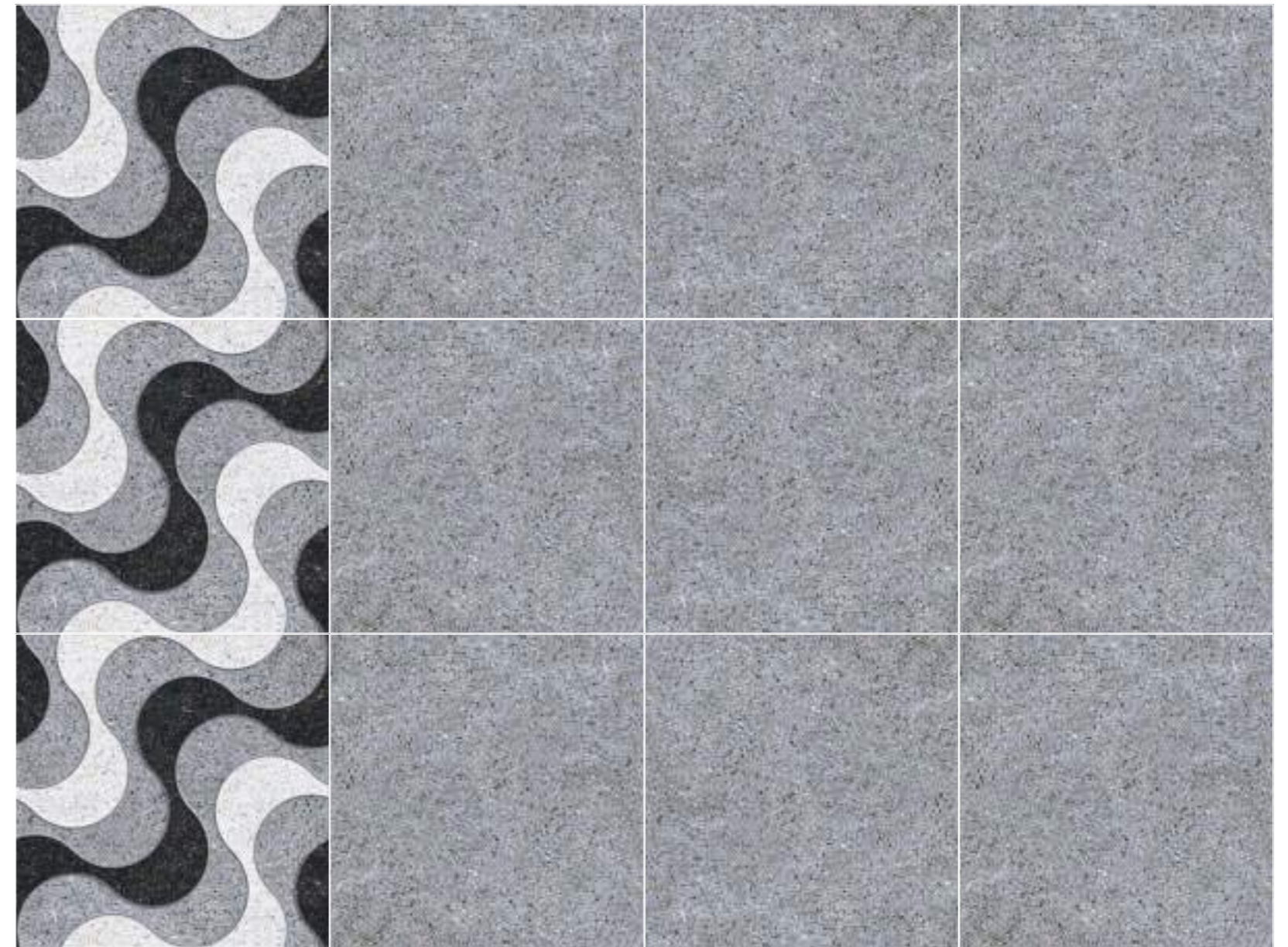
salt  
brown

100% SIZE



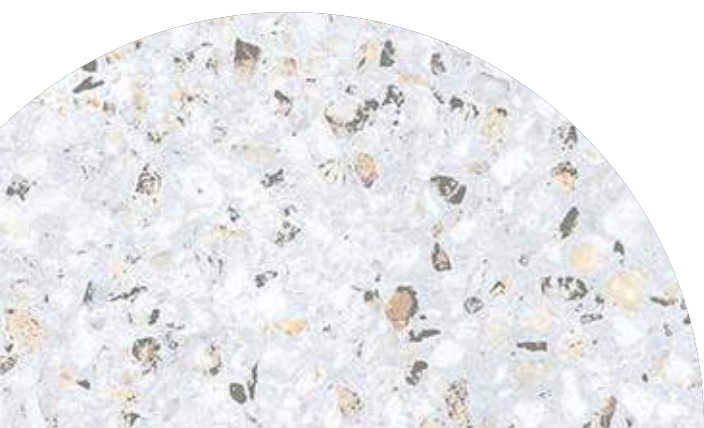
**FINISHES**

Textured touch  
Anti slip matt



salt  
lt. grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 60 cm

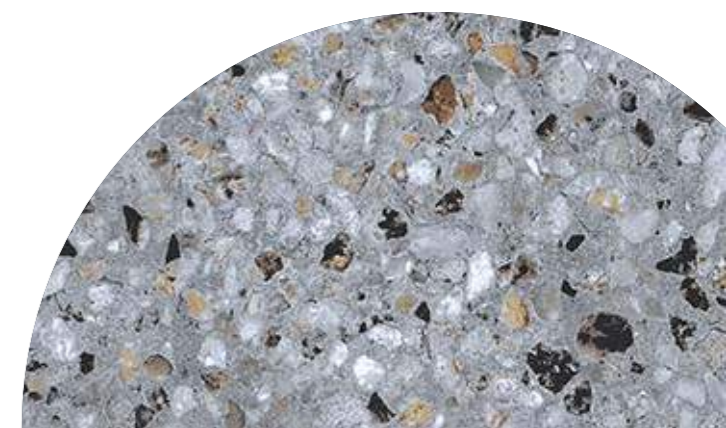


**AVAILABLE SIZES**

60 x 60 cm

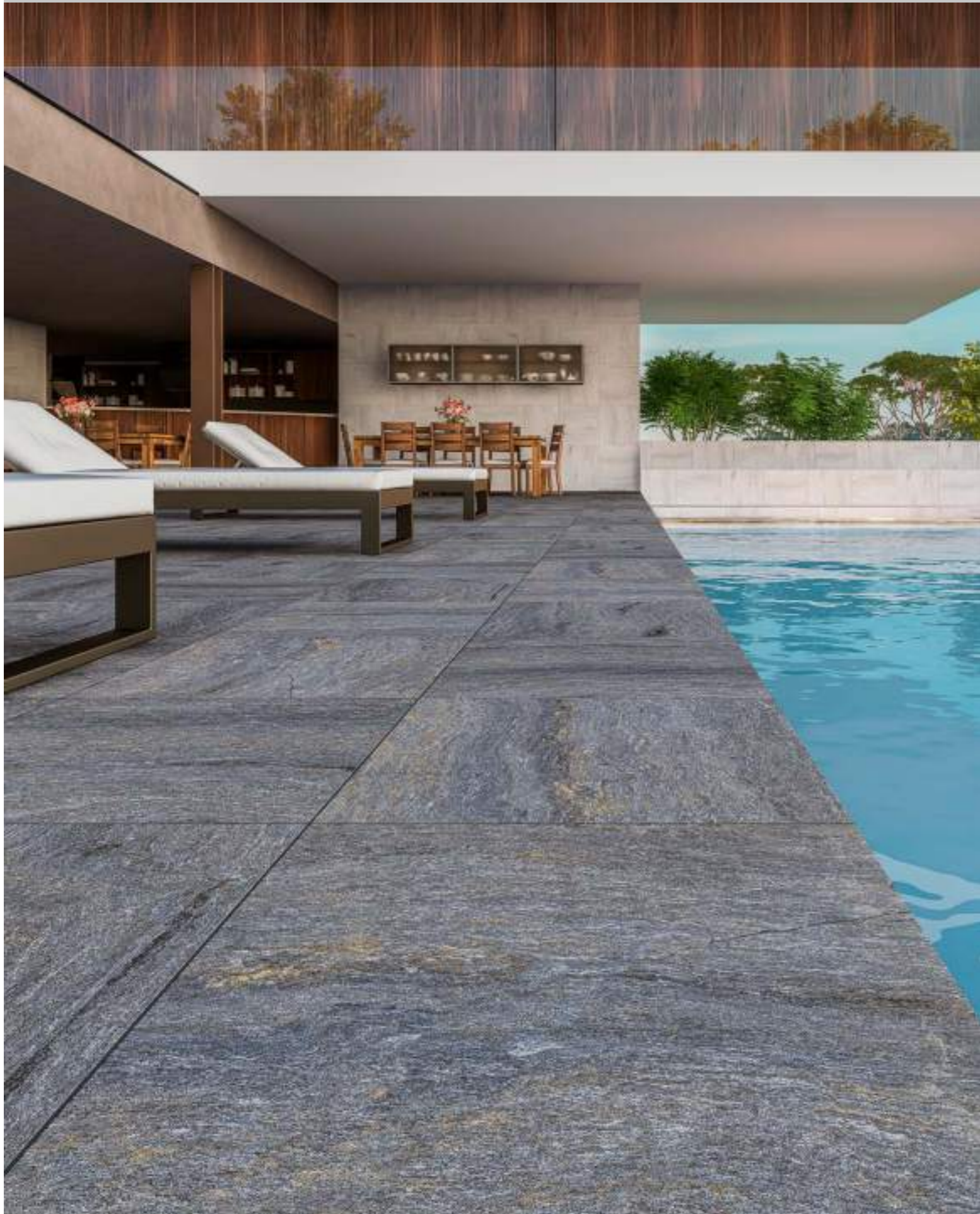
salt  
grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



# salzburg collection



bonne



lt. grey



dk. grey

60 x 90

60 x 120

60 x 60





salzburg  
bonne

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



salzburg  
lt. grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



salzburg  
dk. grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt

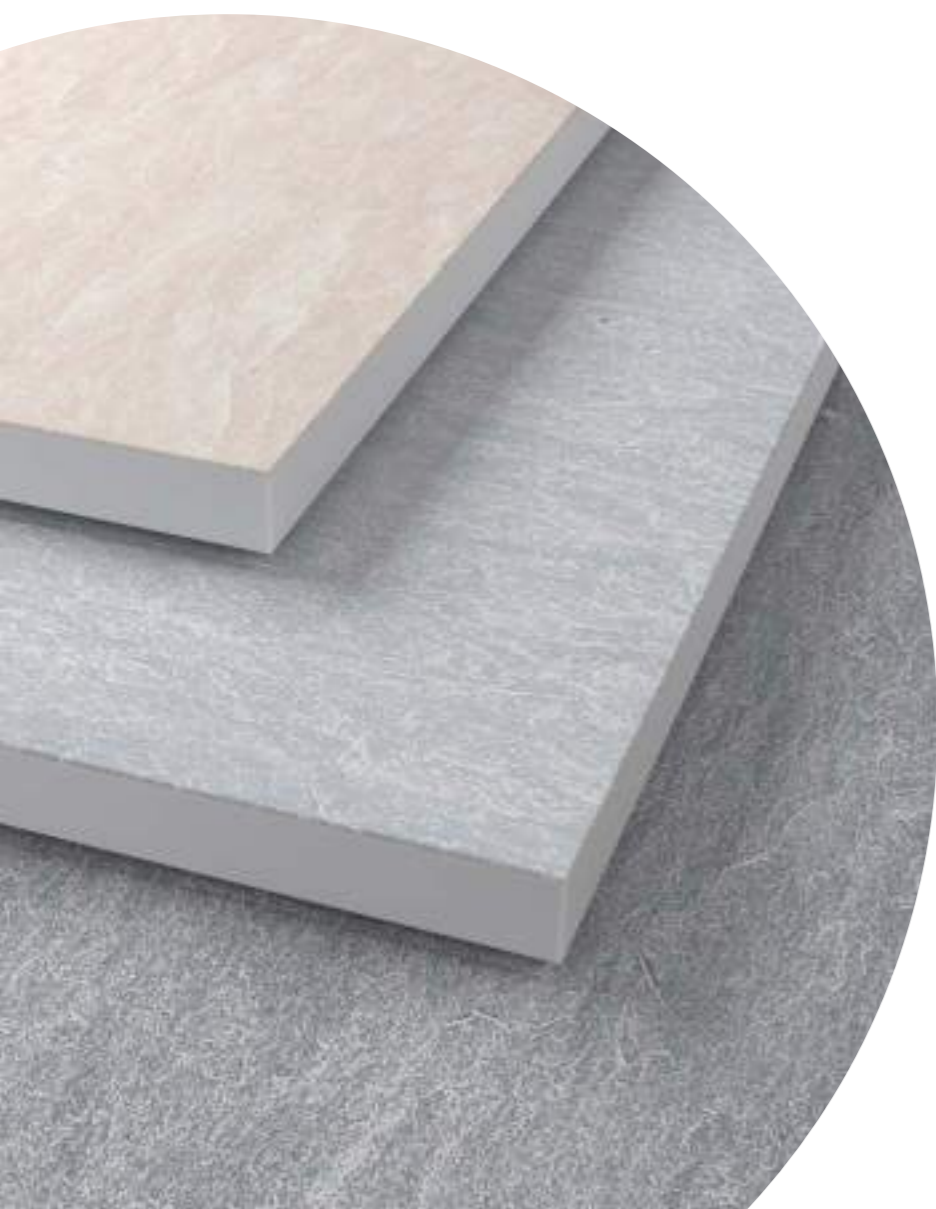





**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



# scoria collection



- cream 
- lt. grey 
- grey 

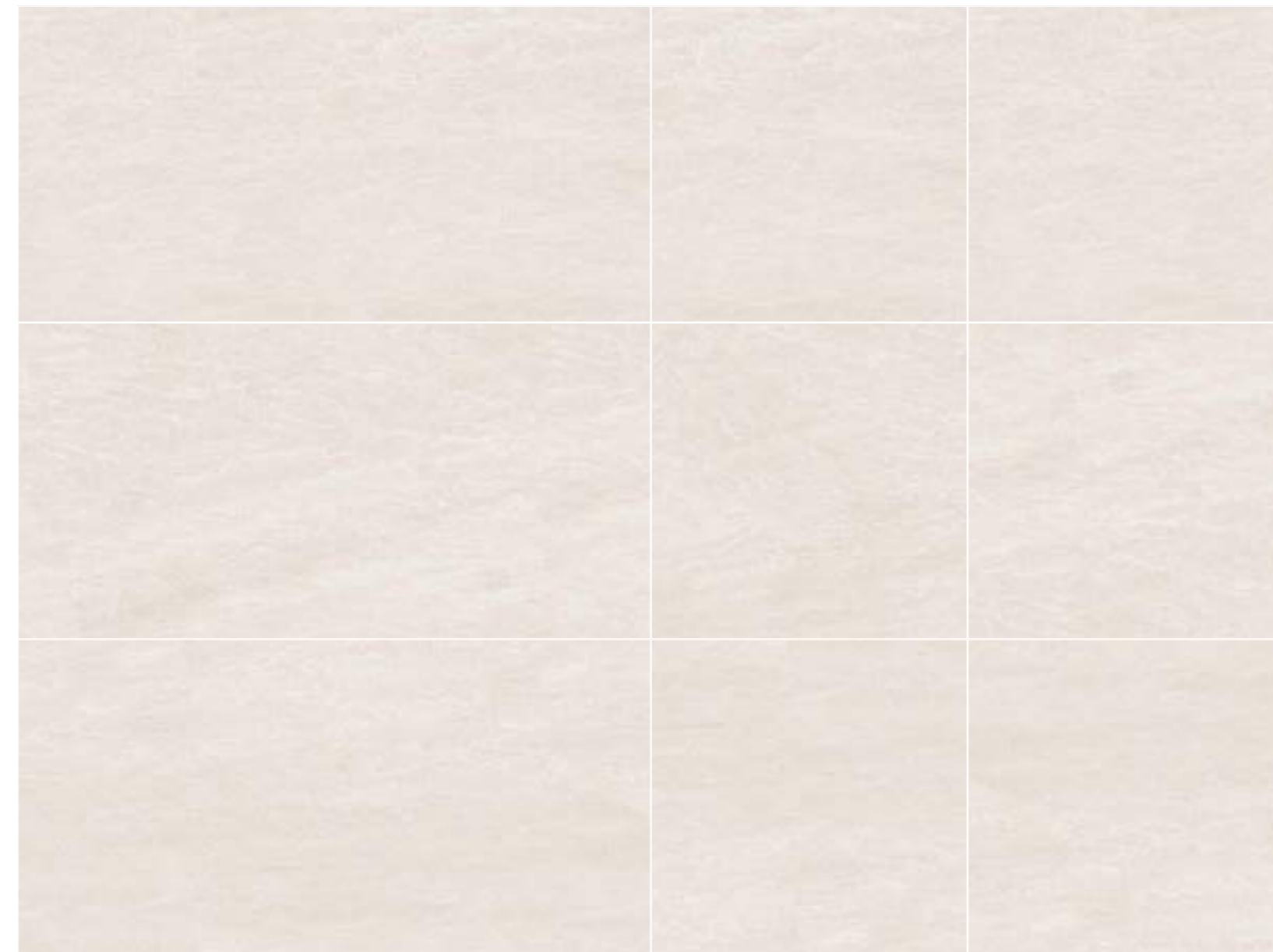


#### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

#### FINISHES

Textured touch  
Anti slip matt



scoria  
cream

100% SIZE







## scoria grey

100% SIZE



### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

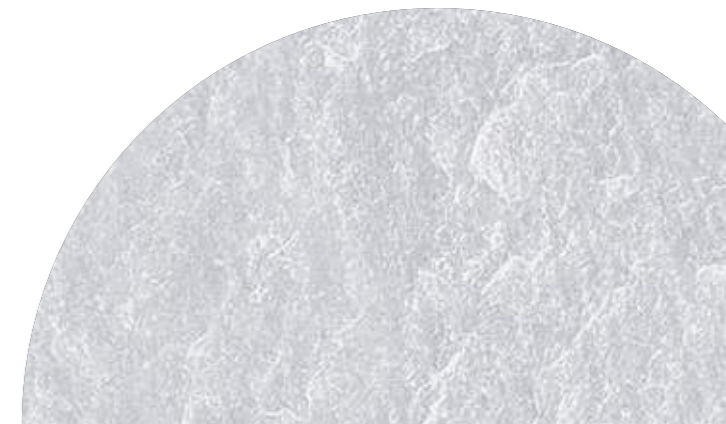


### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

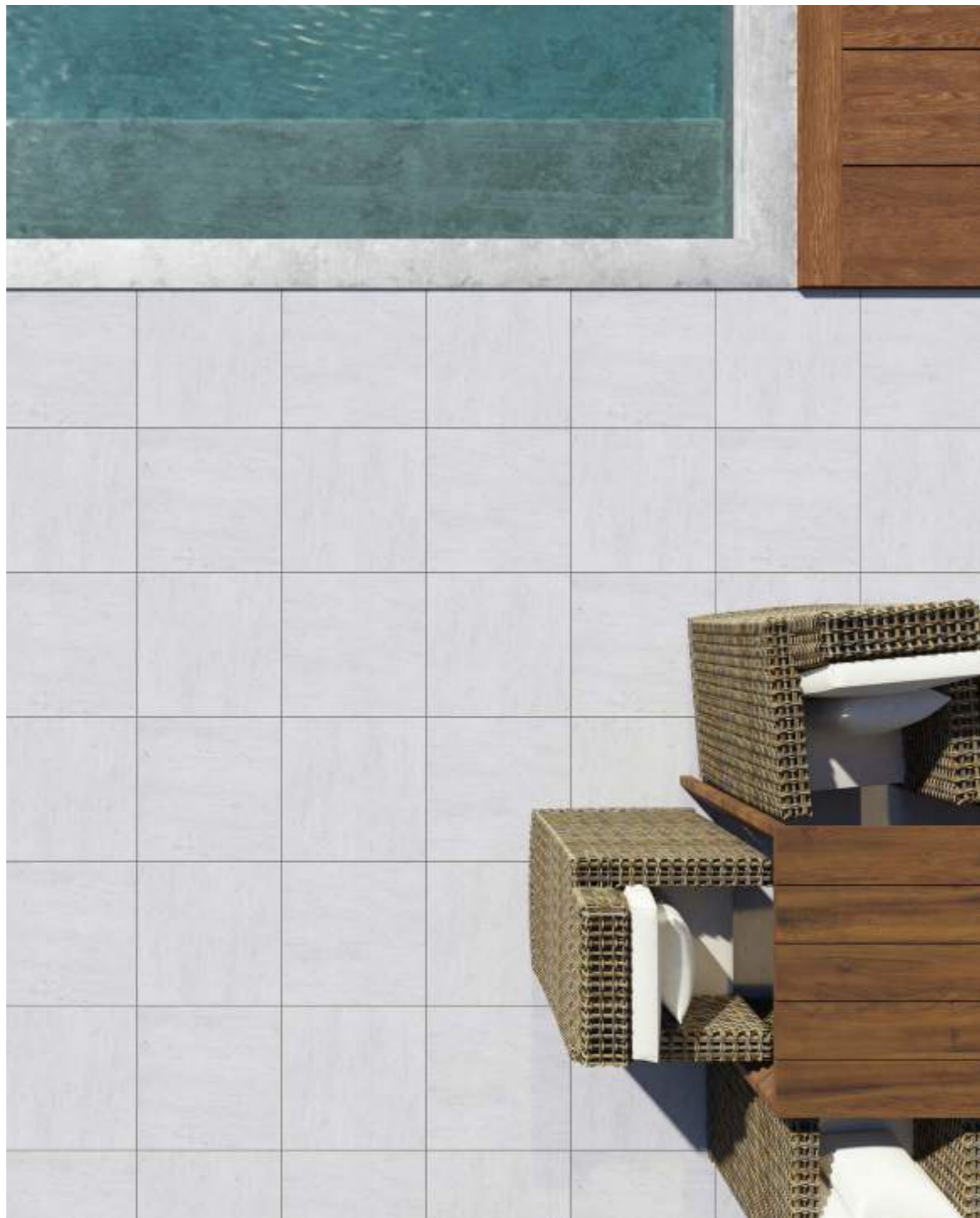
## scoria lt. grey

100% SIZE







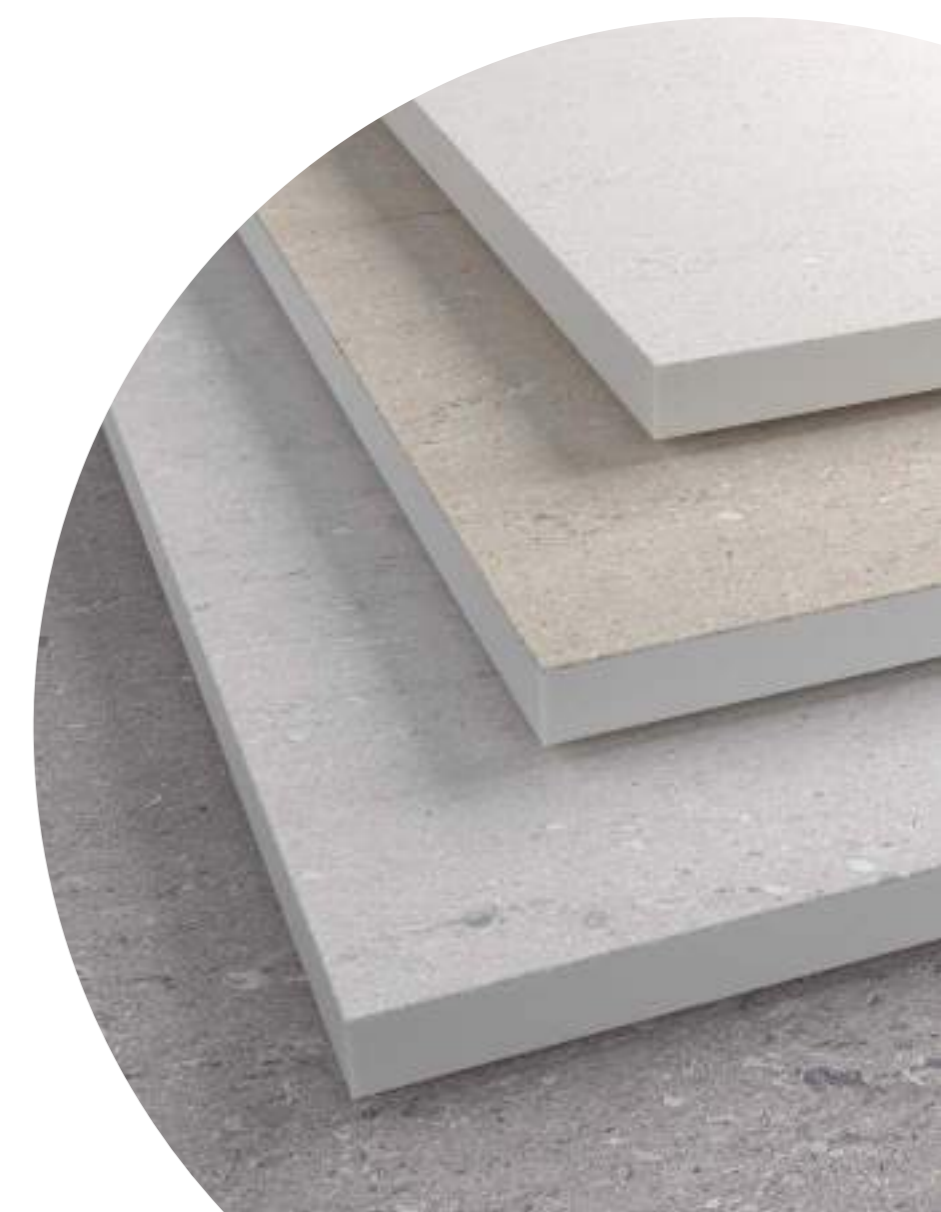
### FINISHES

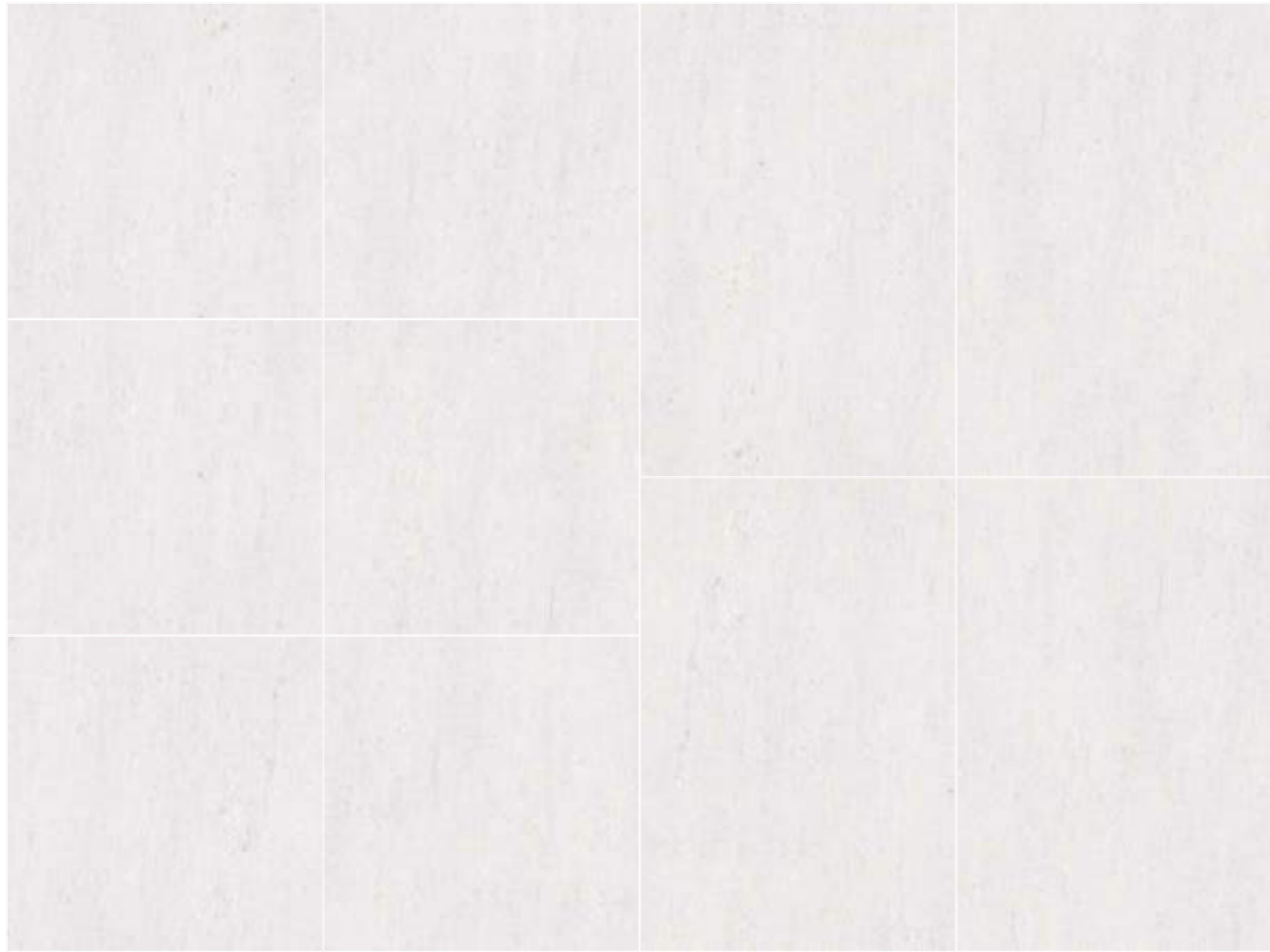
Textured touch  
Anti slip matt



# sense collection

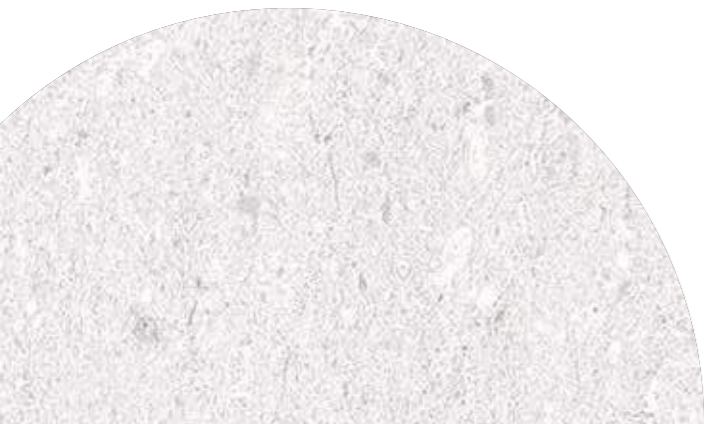
-  off white
-  beige
-  lt. grey
-  grey





## sense off white

100% SIZE



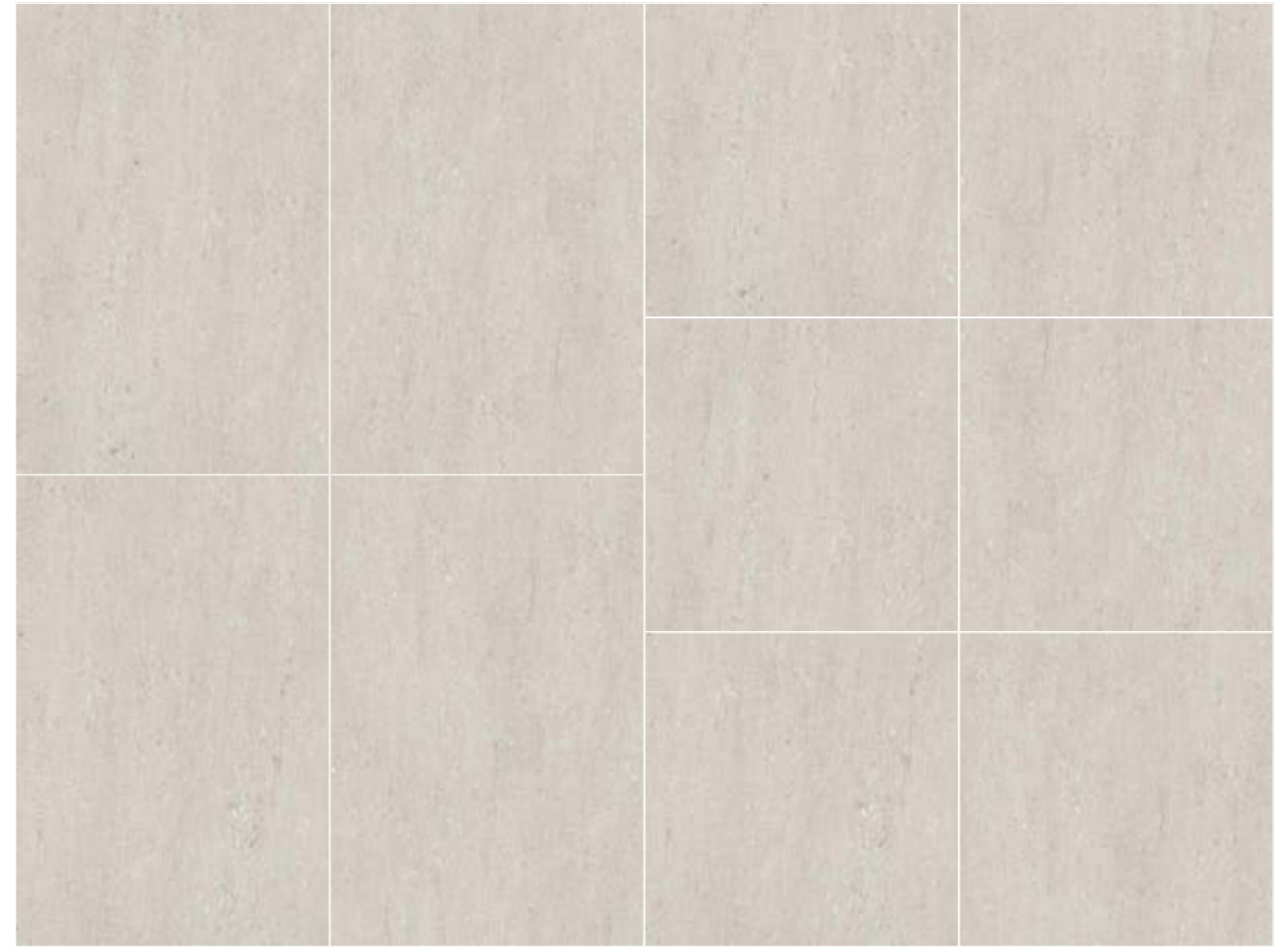
### FINISHES

Textured touch  
Anti slip matt



### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



## sense beige

100% SIZE



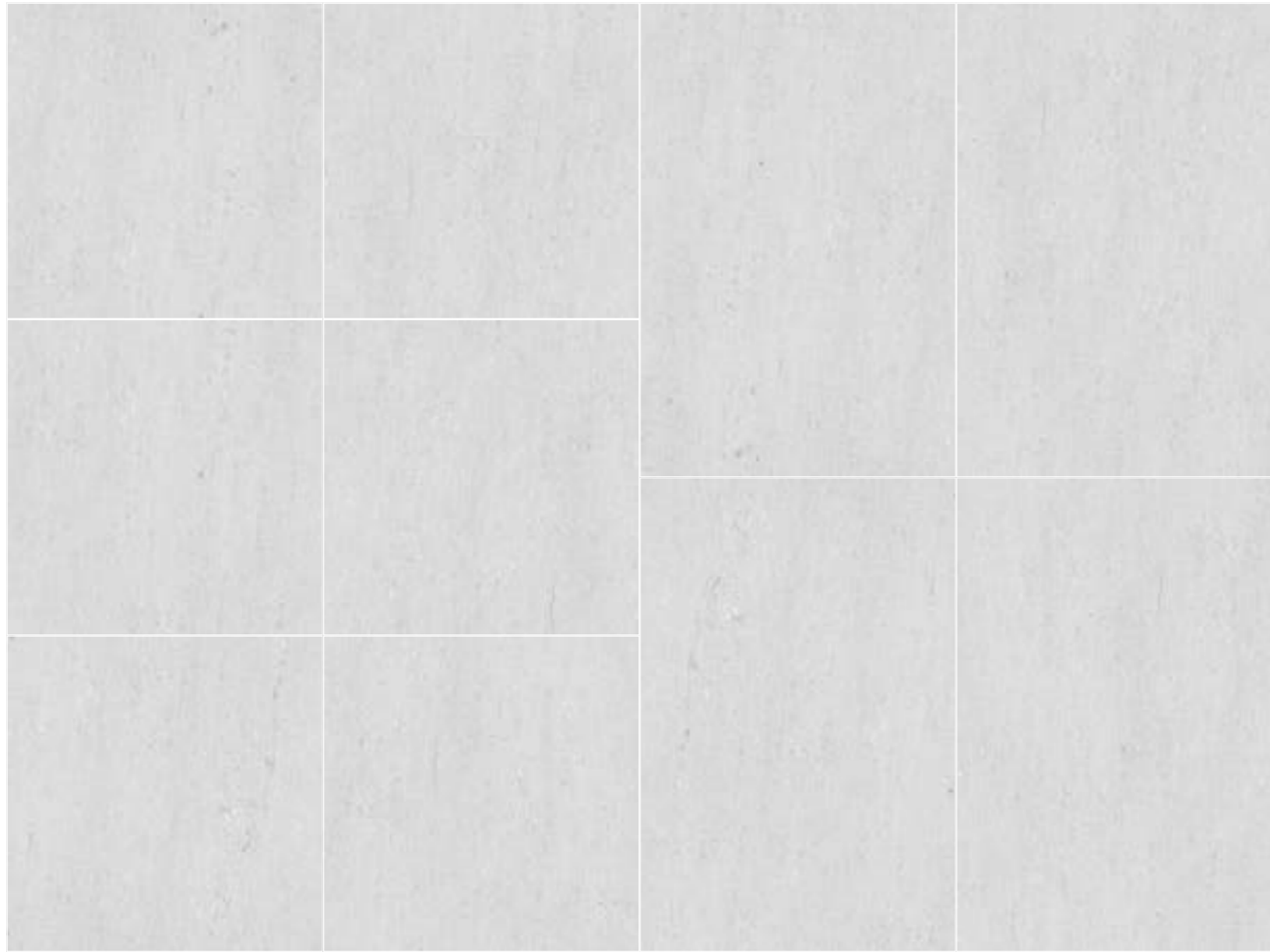
### FINISHES

Textured touch  
Anti slip matt



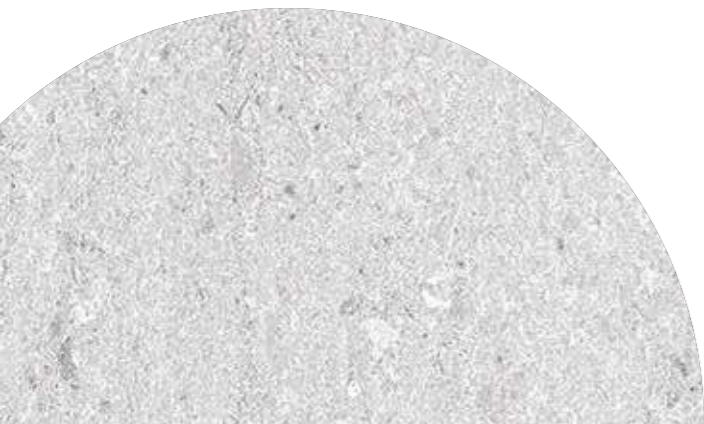
### AVAILABLE SIZES

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



sense  
lt. grey

100% SIZE



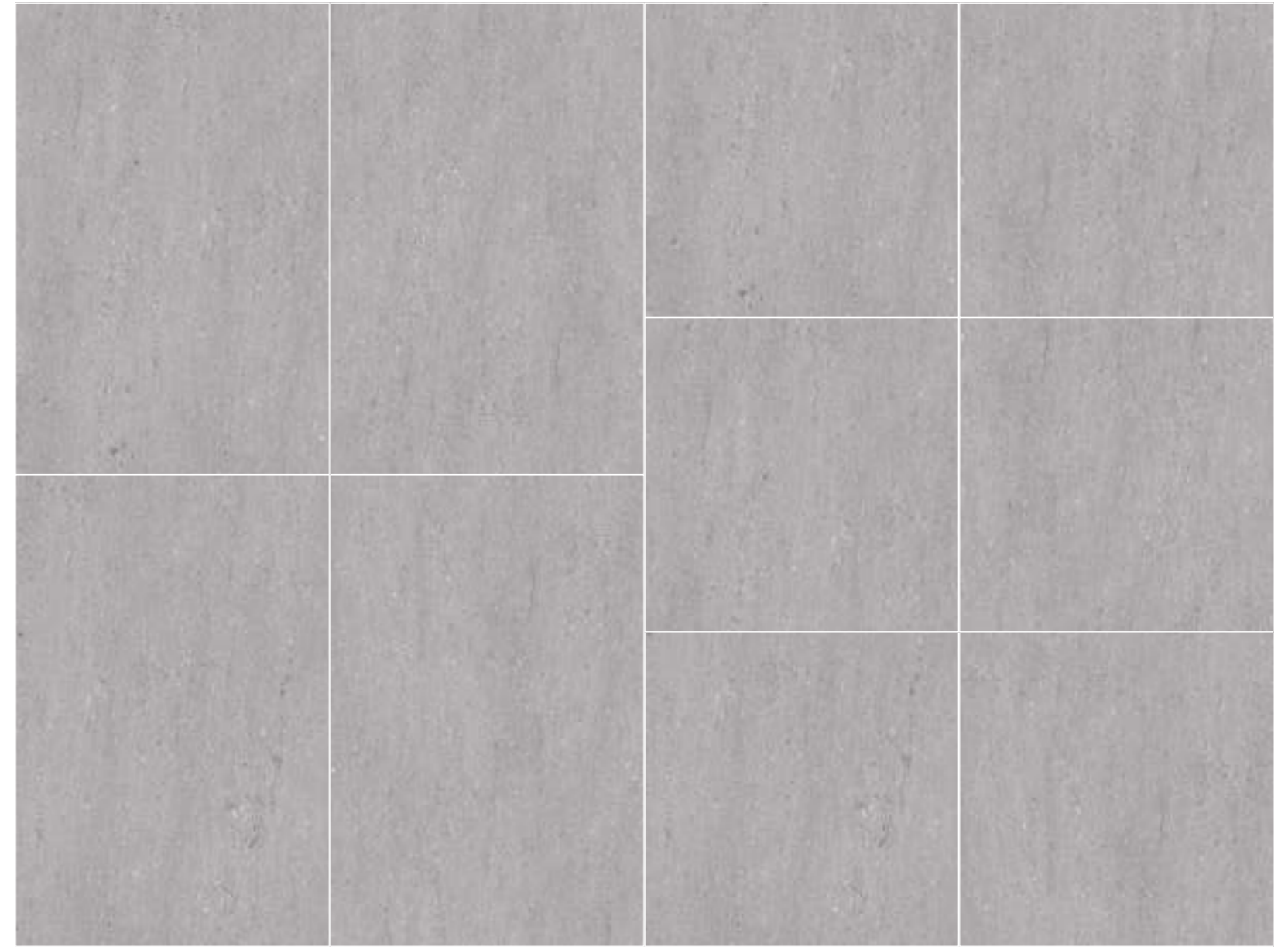
**FINISHES**

Textured touch  
Anti slip matt



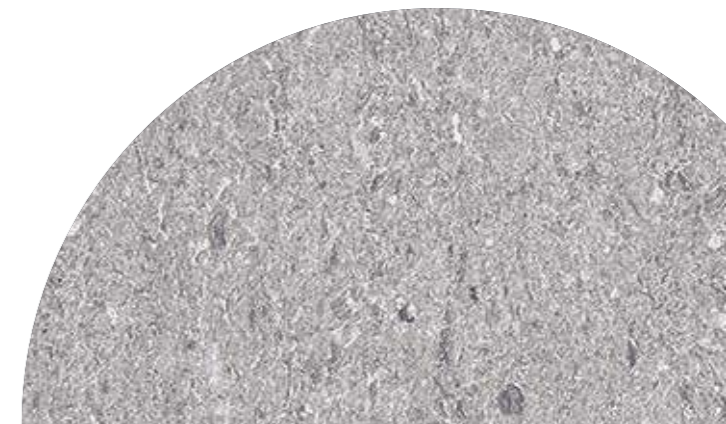
**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



sense  
grey

100% SIZE



**FINISHES**

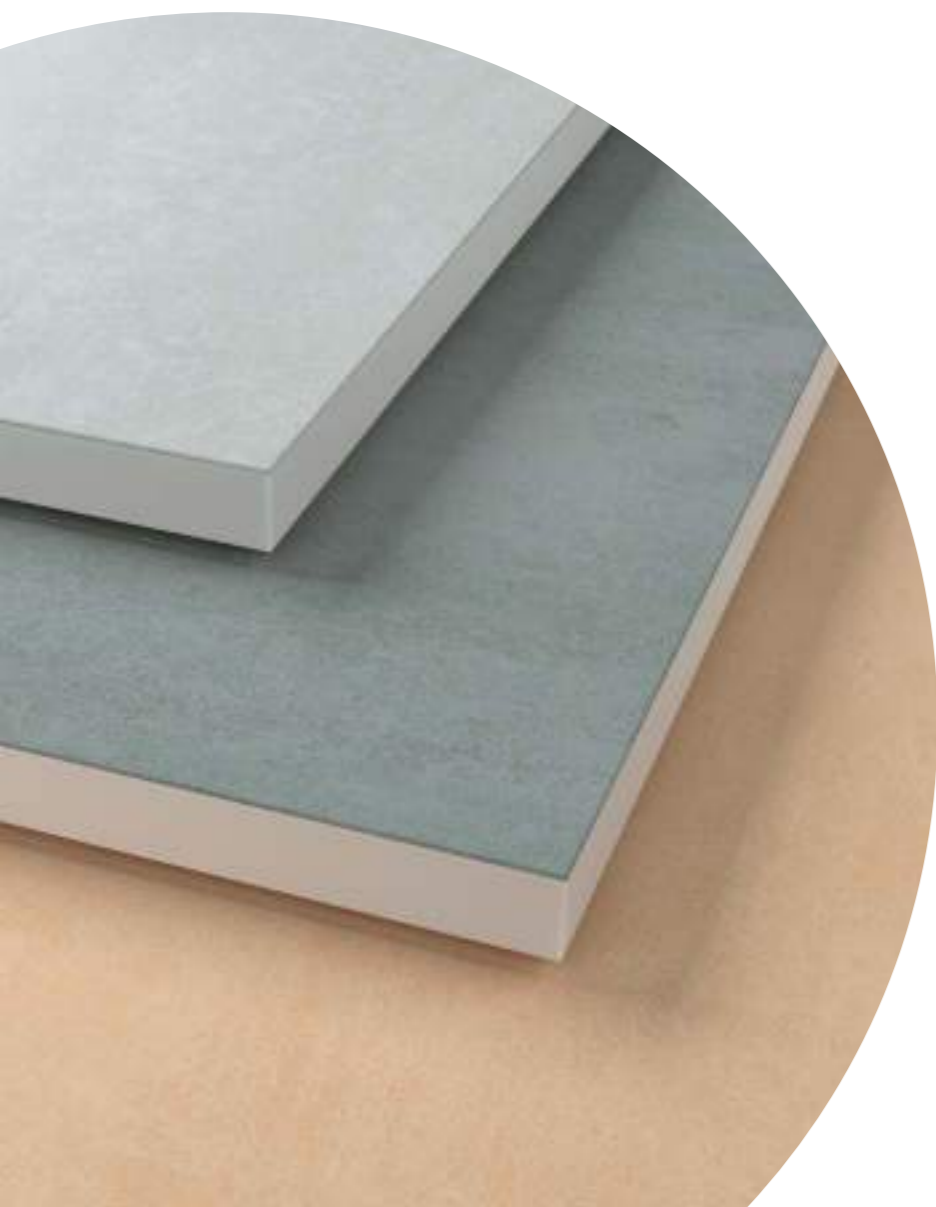
Textured touch  
Anti slip matt



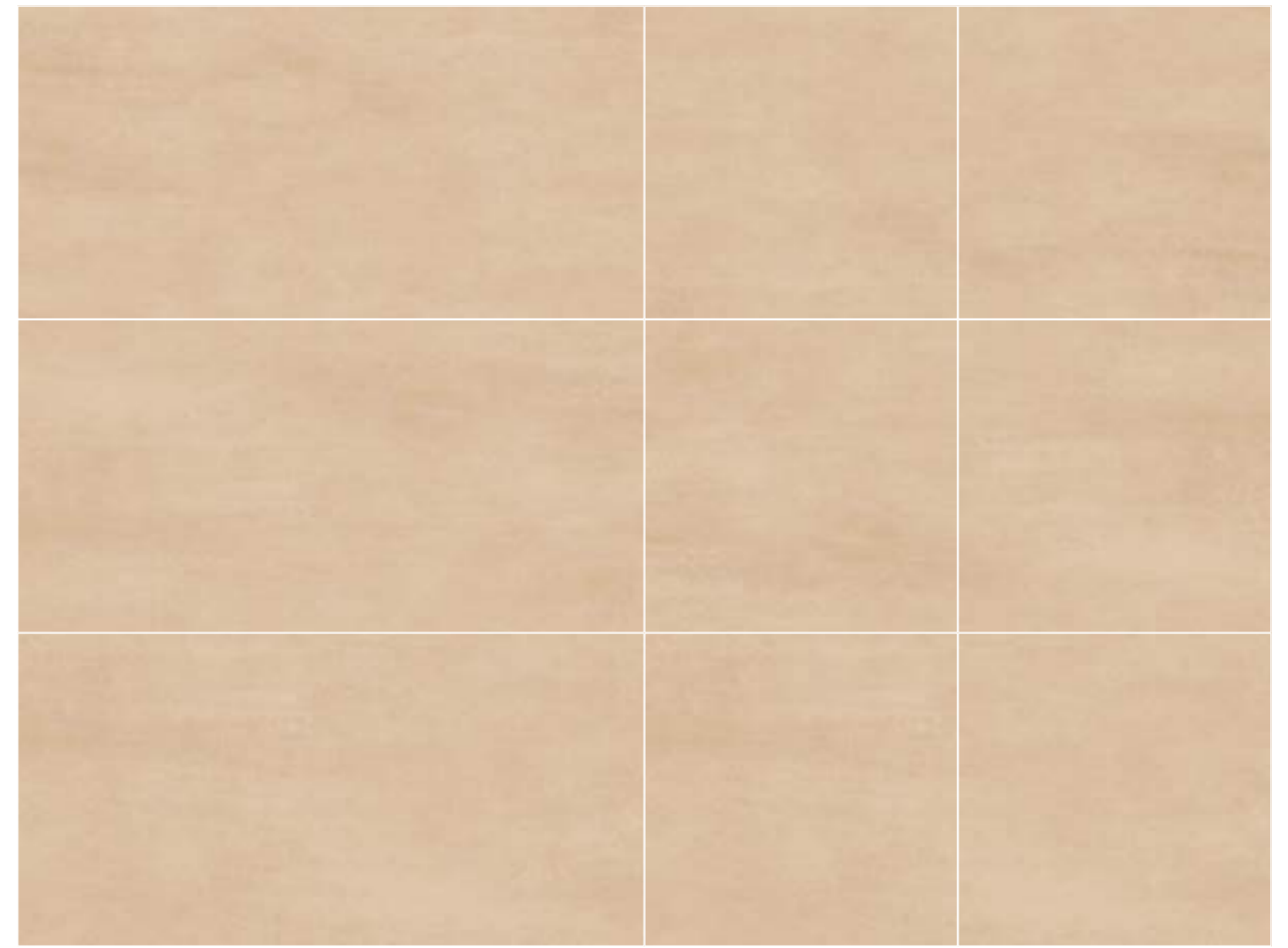
**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

# spazio collection



- lt. grey 
- grey 
- beige 



#### AVAILABLE SIZES

- 60 x 120 cm
- 60 x 90 cm
- 60 x 60 cm

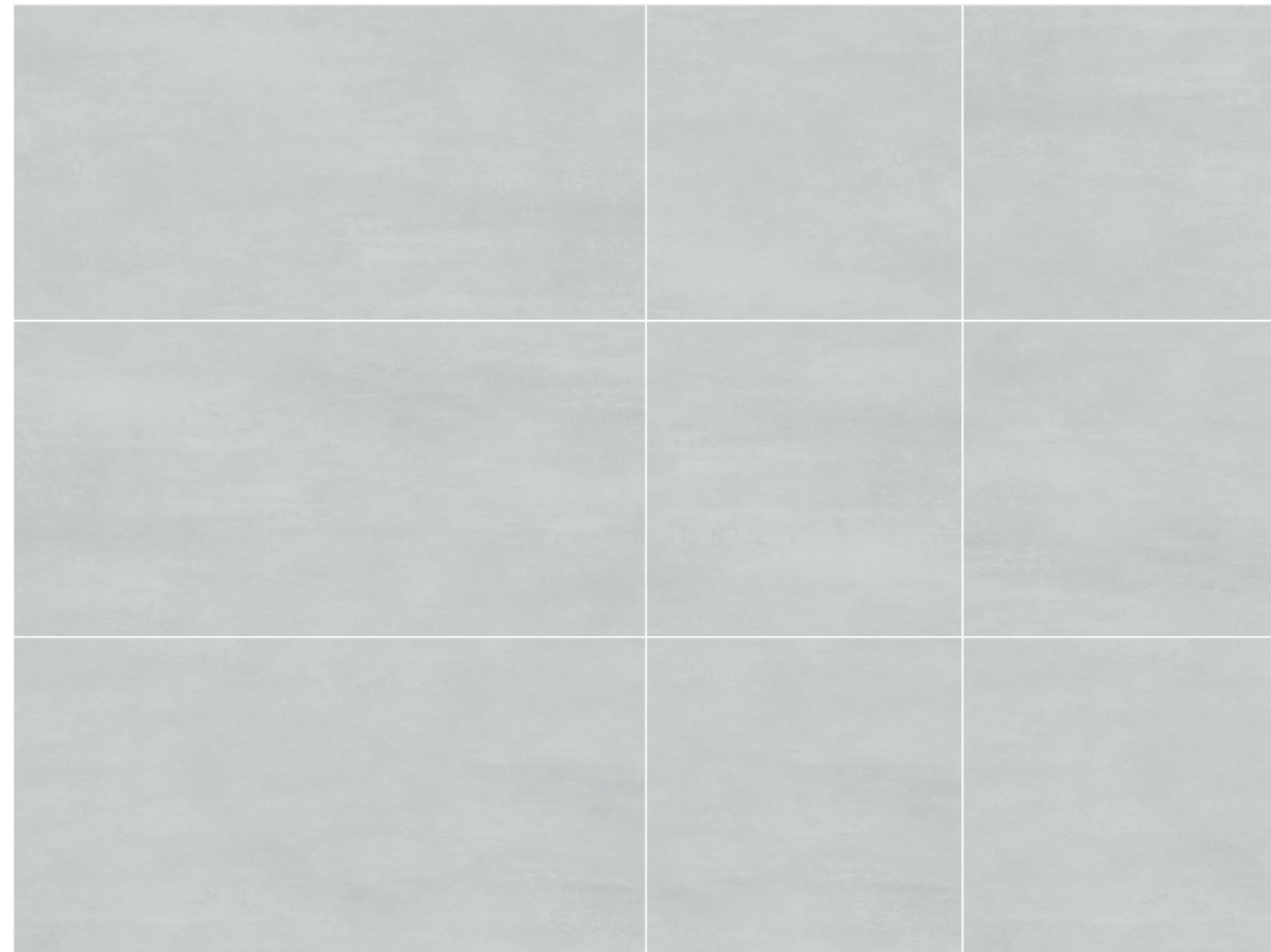
#### FINISHES

- Textured touch
- Anti slip matt

spazio  
beige

100% SIZE





spazio  
grey

100% SIZE



**FINISHES**

Textured touch  
Anti slip matt

**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm



**AVAILABLE SIZES**

60 x 120 cm  
60 x 90 cm  
60 x 60 cm

spazio  
lt. grey

100% SIZE

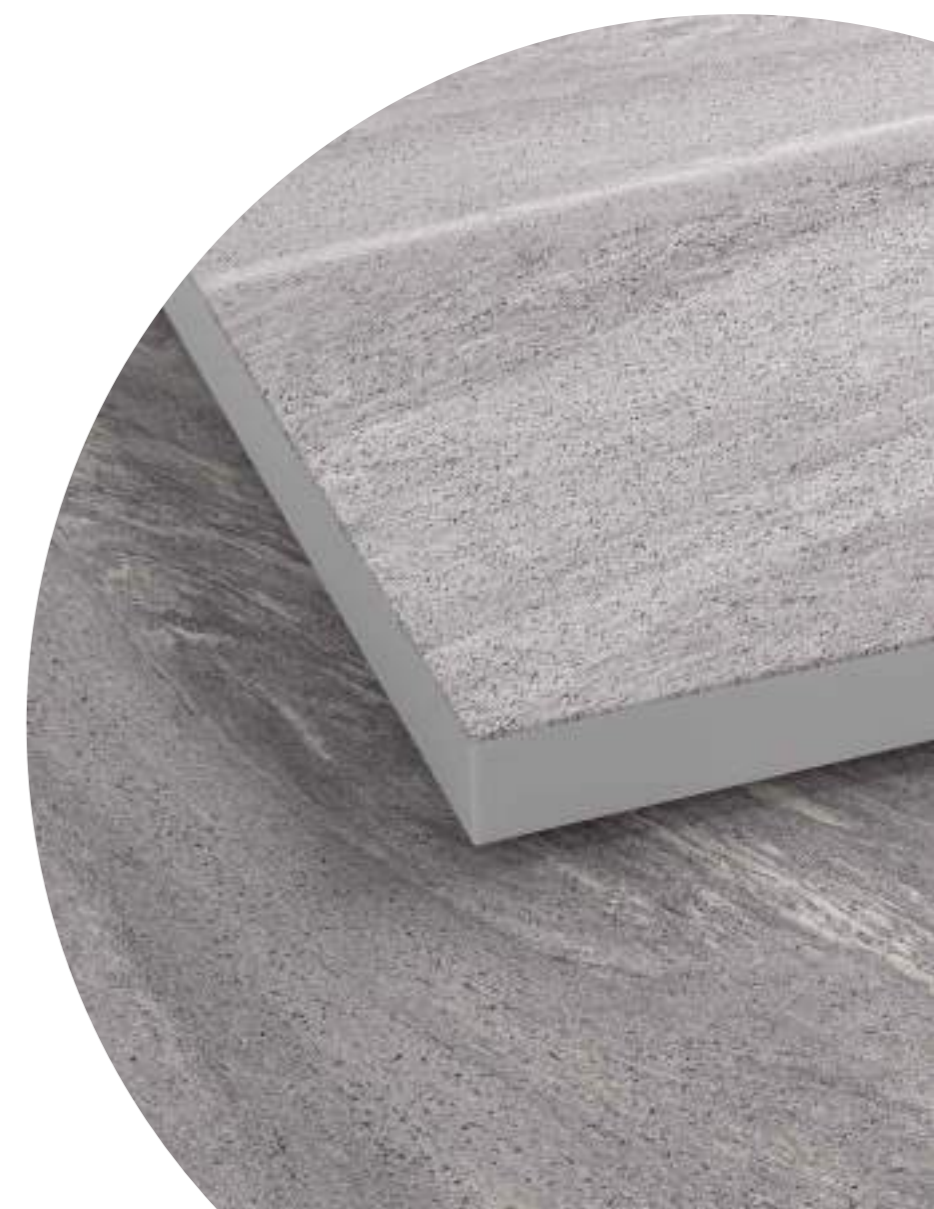
**FINISHES**

Textured touch  
Anti slip matt



# volcano collection

-  grey
-  dk. grey





volcano  
dk. grey

100% SIZE



AVAILABLE SIZES

60x60 cm

FINISHES

Textured touch  
Anti slip matt



AVAILABLE SIZES

60x60 cm

FINISHES

Textured touch  
Anti slip matt



volcano  
grey















100% SIZE





# technical information

## GLAZED PORCELAIN TILES. GROUP BIa GL

	TEST METHODS SASO-ISO-13006	NORMA / STANDARD	MATT /SOFT MATT RECT	ANTI SLIP MATT RECT
	Lenght and width	± 0.5%	± 0.3%	± 0.3%
ISO 10545-2	 Deviation of mean thickness from manufacturing thickness	± 5%	± 5%	± 5%
	 Straightness of the sides (sides of the main face)	± 0.5%	± 0.3%	± 0.3%
	 Orthogonality	± 0.6%	± 0.5%	± 0.5%
	 Surface flatness	± 0.4%	± 0.4%	± 0.4%
	 Surface quality (% defect-free)	≥ 95%	A Minimum of 95% of the tiles are to be free from visible defects which can be impair the appearance of a major area of tiles	
ISO 10545-3	 Water absorption	< 0.5%	< 0.5%	< 0.5%
ISO 10545-4	 Bending Strength (N):	10 mm Thickness	≥ 1300	≥ 2000
		20 mm Thickness		≥ 9000
	Rupture modulus (N/mm <sup>2</sup> )	Min 35	≥ 40	≥ 40
ISO 10545-6	 Resistance to deep abrasion (PEI groups) (B)	PEI groups II - III - IV - V	Min. PEI III	Min. PEI IV
ISO 10545-9	 Resistance to thermal shock	Required	Resistant	Resistant
ISO 10545-8	 Cracking Resistance	Required	Resistant	Resistant
ISO 10545-12	 Resistance to frost	Required	Resistant	Resistant
ISO 10545-13 (A)	Resistance to Acids and High Concentration Bases	The producer declares the classification	Min. Class B	Min. Class B
	Resistance to low concentrations of acids and alkalis		Min. Class B	Min. Class B
	Resistance to Household Chemicals and Swimming pool water additives		Min. Class A	Min. Class A
ISO 10545-14	 Resistance to staining	Min. Class 3	Min. Class 3	Min. Class 3
BS 7976-2 (C)	 Anti slip resistance (Pendulum test - PTV)	Test method available	The producer declares the classification	Min. PTV 36+
DIN 51130 (D)	 Anti slip resistance (Ramp test)	Test method available	The producer declares the classification	Min. R 10

## STANDARD PACKING LIST

	THICKNESS (MM)	BOX			PALLET			
		nr pieces	m <sup>2</sup> approx.	weight kg	type	nr boxes	m <sup>2</sup> approx.	weight kg
<b>30 x 60</b>	10	8	1,44	32	STANDARD	48	34,56	768
<b>60 x 60</b>	10	4	1,44	32	STANDARD	24	34,56	768
<b>60 x 60</b>	20	2	0,72	37,75	EUROPALLET	32	23,04	1208
<b>60 x 120</b>	10	2	1,44	37,75	EUROPALLET	27	38,88	1019
<b>60 x 120</b>	20	1	0,72	37	EUROPALLET	30	21,6	1110
<b>60 x 90</b>	20	2	1,62	46	EUROPALLET	27	43,74	1246

### NOTES

A) Except hydrofluoric acid.

B) Resistance to abrasion (PEI Groups):

Floor Tiles for light traffic areas. (Equivalent to PEI II)

Floor Tiles for regular traffic areas. (Equivalent to PEI III)

Floor Tiles for areas of considerable traffic. (Equivalent to PEI IV)

Floor Tiles for heavy traffic areas, except for intensively used public places. (Equivalent to PEI V)



### C)

FLOORS (PTV) PENDULUM TEST VALUE 4S*	SLIP POTENTIAL
0-24	High
25-35	Moderate
36+	Low
75+	Extremely low

\* Identifies rubber type #g6 (standard simulated Shoe Sole)

### D)

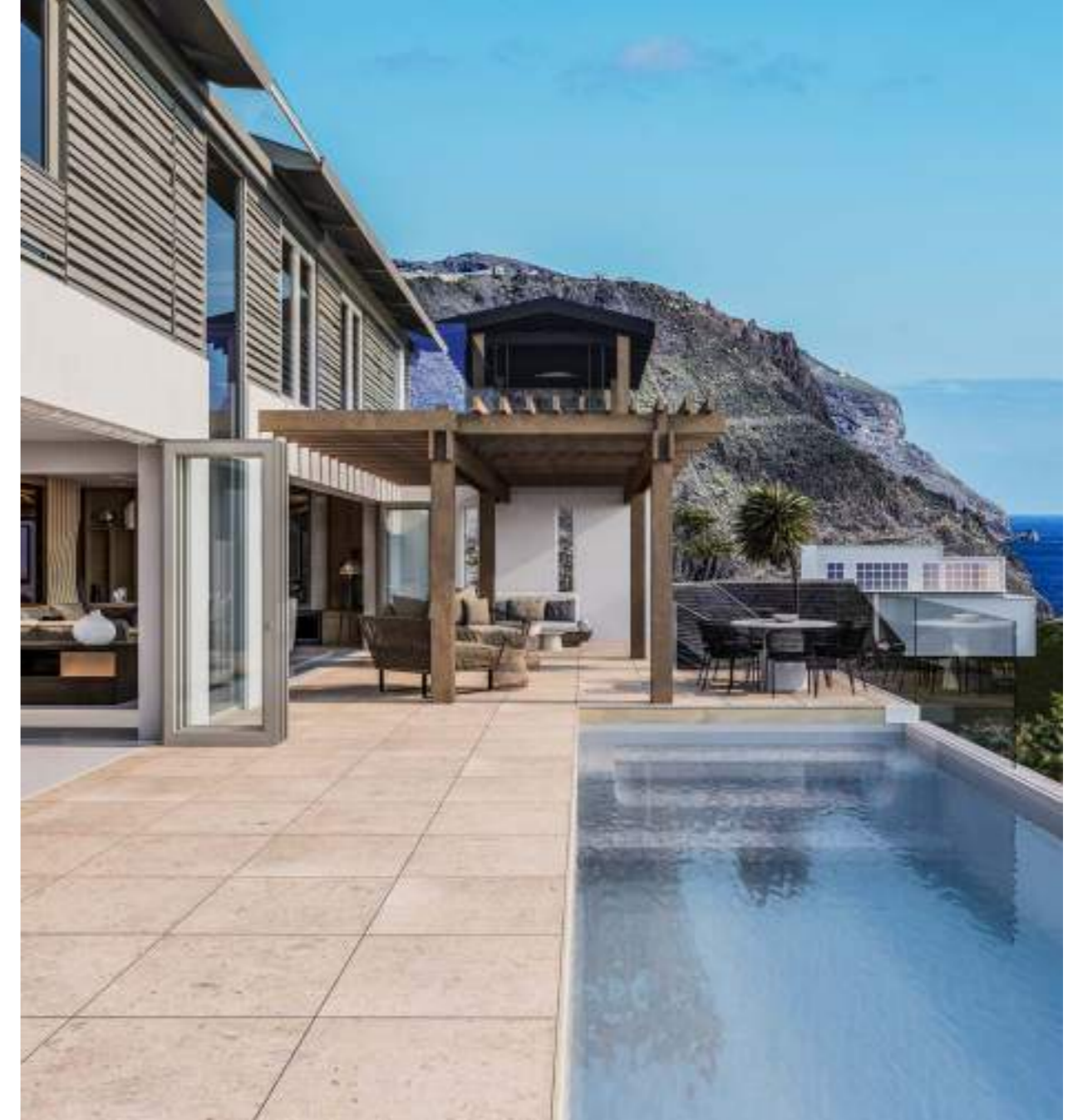
ANTI SLIP RESISTANCE	DIN 51130
R9	6° ≤ angle < 10°
R10	10° ≤ angle < 19°
R11	19° ≤ angle < 27°
R12	27° ≤ angle < 35°
R13	angle ≥ 35°

# application methods

Due to the properties of porcelain tiles they have a large range of applications. They are ideal for both indoor and outdoor use. They are perfect for terraces, walkways and verandas and ensures continuity between interiors and exteriors. It can be driven over and used for swimming pools, solariums and building facades.

Regardless of the chosen brand, product type or size, an on-site inspection should be carried out prior to installation to assess the conditions of the substrates.

**PERFECT SUBSTRATE CONDITIONS ARE ESSENTIAL FOR A SUCCESSFUL INSTALLATION!**



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FLOORS AND WALLS, BOTH INSIDE (IN LIVING ROOMS, KITCHENS, BATHROOMS, BEDROOMS, HALLWAYS) AND OUTSIDE (TERRACES, BALCONIES, PATHWAYS)

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PUBLIC OR PRIVATE SPACES

---

FACADES, FIREPLACES, HEATED FLOORS, RAISED FLOORS OR STAIRS

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GARAGES, POOLS AND SPAS, COMMERCIAL SPACES AND ANY HIGH-TRAFFIC AREAS

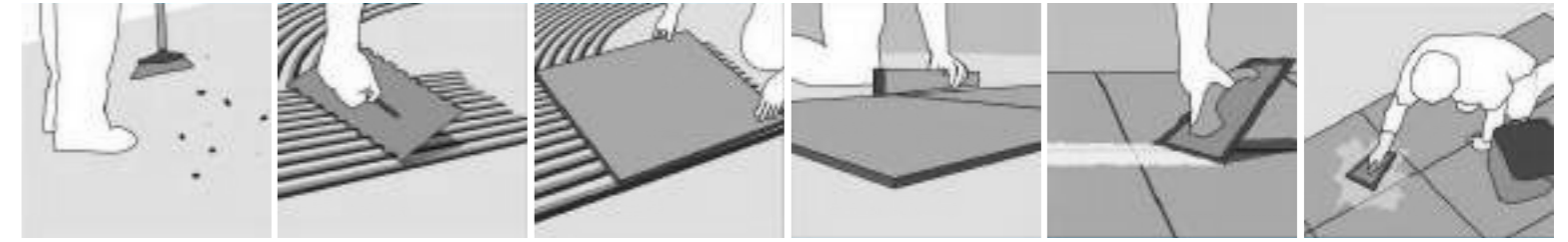
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## Outdoor Installation



### 1 Classical Setting

For classic installation with adhesive we recommend a joint of at least 5 mm, to facilitate the flow of water and eliminate substrate tensions.



Clean the substrate thoroughly and apply an even layer of adhesive, to obtain a flat floor.

Make sure to use the correct tools, respect the joint recommended size and check the planarity of the flooring regularly during the laying operations.

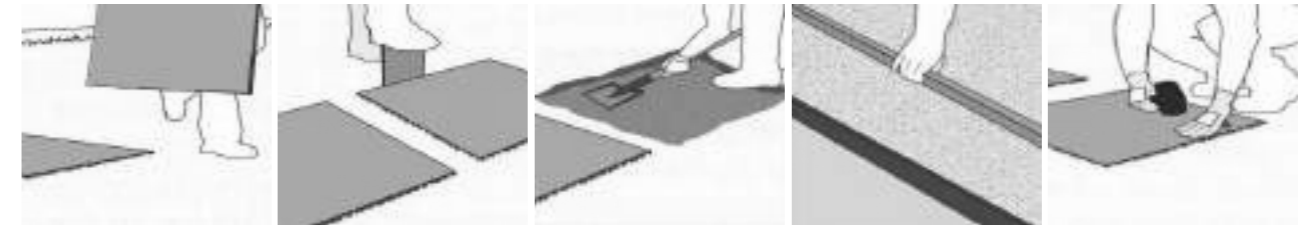
Once the installation is finished grout the flooring. Remember to observe the times before walking on the tiles.

"Post-installation" cleaning is mandatory at the end of the work.



### 2 Gravel/Sand Setting

Installed on sand, grass lawn or gravel without adhesive - provides for easy and hassle-free dismantling and replacement.



Form a stable and uniform substrate using fine gravel or sand. Level the substrate.

Compact and level the substrate and then position the tile.

Position the tile and then knock the tile along the edges with a rubber hammer in order to level the tile with the substrate.

If installed in grass it is recommended to dig out about 5 cm from the soil.

Lay the tile, so as to have an approximately 0.5 cm level difference, between the tile and the ground.

It is suggested to use joint of at least 5 mm to allow good water drainage.



### 3 Special Supports Setting

Tile setting on special-purpose supports, allows concealing the utility and communication systems under the floor and simultaneously makes them readily accessible.

For more details on this typology system please contact your sales representative.

This type of systems requires specific technical project and shouldn't be installed without consulting the system manufacturer and/or without supervision.

It is recommended to always refer to the specific norms and regulations and the instructions of the Project Supervisor.



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