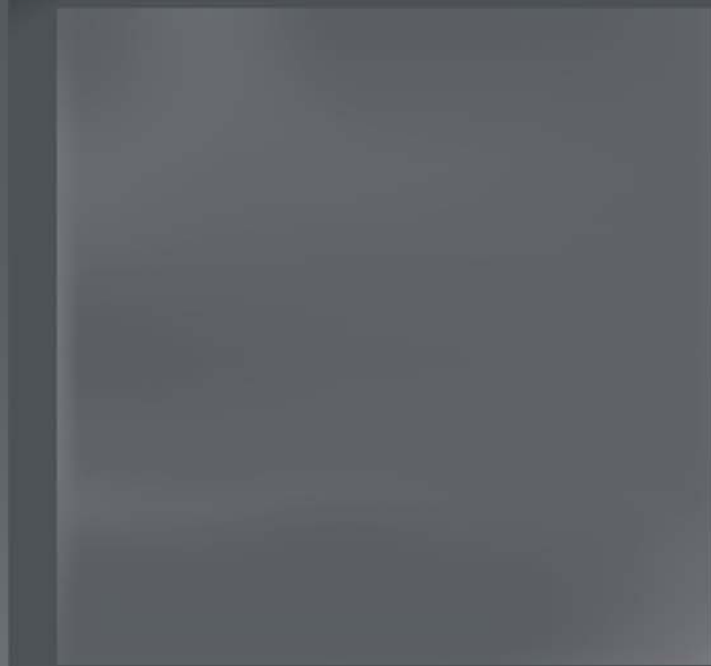


ING | PERFORMA20



ING | KUTAHYA

ING | PERFORMA20

ING | KUTAHYA

Index

6 **Products**

Belize
Bristol
Falona
Fooria
Infinity
Jura
Kandala
Kansas
Leonardo
London
Luton
Nuova
Octavia
Padova
Raptura
Solace
Terra Stone
Tortuga
Vista

66 **Advantages of NG Performa20**

Why NG Performa20?
NG Performa20 Where is it Used?

70 **Installation Systems**

Dry Installation on Grass
Dry Installation on Gravel
Dry Installation on Sand
Raised Floor Application
Mortar Installation

NG Kütahya Seramik

About

Founded in 1989, NG Kütahya Seramik is among the global players of the porcelain ceramic industry, with 37 years of expertise, more than 400,000 m² of enclosed production area, and an annual production capacity of 85 million m² within a single integrated manufacturing complex. With its innovation-, design-, and sustainability-driven approach, the company continues to evolve and further strengthens its solid position in international markets.

Expanding through a wide range of sizes, surfaces, and design alternatives, the product portfolio delivers modern and flexible solutions for architectural projects. Supported by a network of over 300 business partners across Türkiye and an export reach spanning more than 80 countries, the brand continues to enhance its global footprint.

Our environmentally friendly products, certified with EPD and GREENGUARD, are complemented by NSF-certified solutions developed in line with our commitment to hygiene and human health.

Today, NG Kütahya Seramik is preferred in projects across both Türkiye and international markets, positioning the brand as one of the strong global representatives of the porcelain ceramic industry.

NG | KÜTAHYA





**Sustainability in
NG Kütahya
Seramik**



Guided by our respect for the environment and the value we place on people, we approach sustainability through a holistic perspective encompassing environmental, social, and economic dimensions, and integrate our responsibility toward the future into all our business processes.

Within the scope of our sustainable energy investments, we support our production with our own resources through rooftop Solar Power Plant (SPP) facilities with a total installed capacity of 25 MW, while reducing the environmental impact arising from our energy consumption. Through these investments, we aim to significantly lower our carbon footprint and continue our efforts without interruption toward a cleaner future.

ING | KUTAHYA

BELIZE



60
120^xcm



55018485R
Belize Light Gray 20 mm R11 Rectified

FACE 9 V 2 PEI 4 R 11 CB 



55018484R
Belize Ivory 20 mm R11 Rectified

FACE 9 V 2 PEI 4 R 11 CB 

BRISTOL



60
120^xcm



55018486R

Bristol Bone 20 mm R11 Rectified

FACE 6 V 2 PEI 4 R 11 CB 



55018487R

Bristol Gray 20 mm R11 Rectified

FACE 6 V 2 PEI 4 R 11 CB 

FALONA





55030160R

Falona Gray 20 mm R11 Rectified

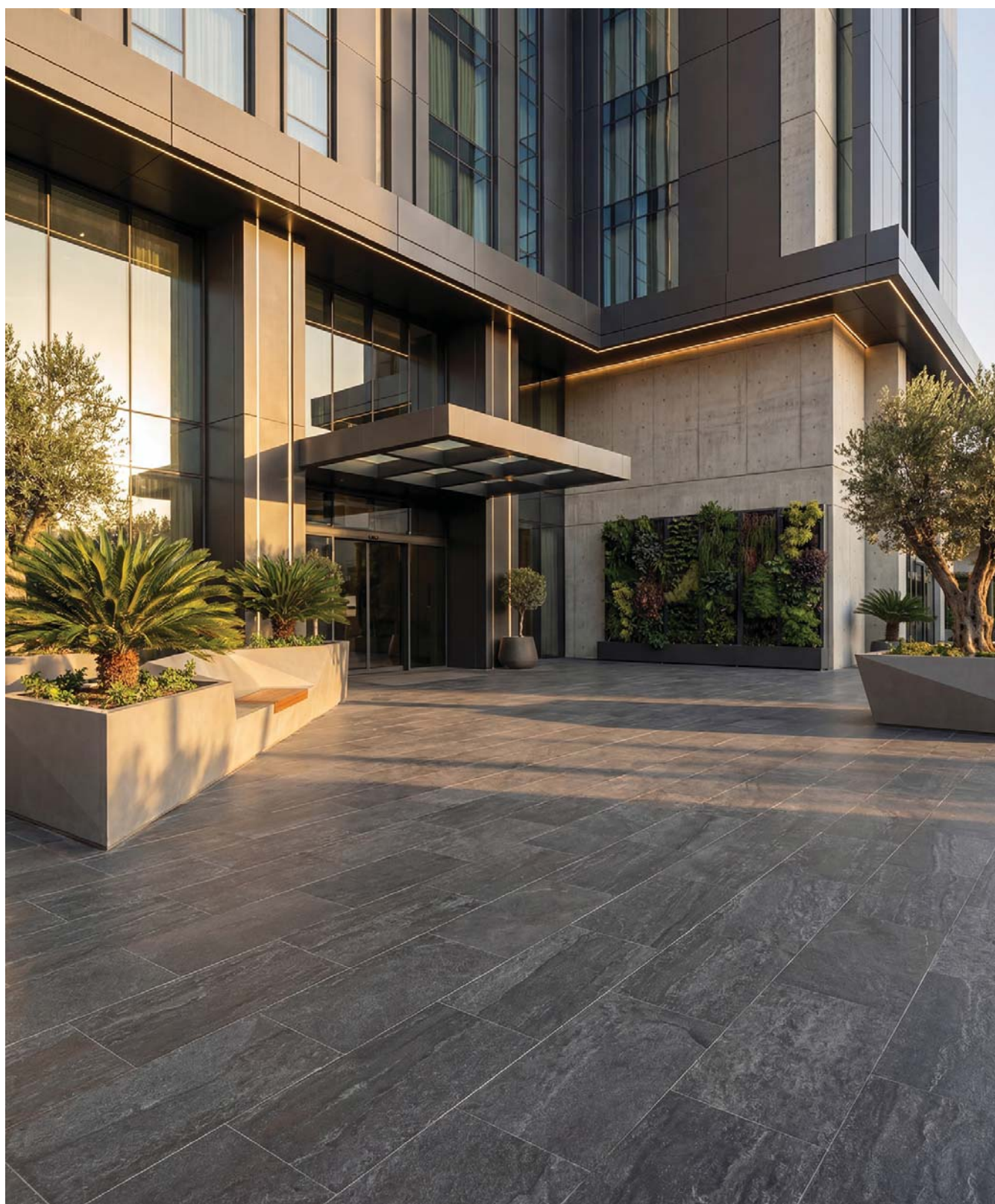


55030161R

Falona Mist 20 mm R11 Rectified



FOORIA





55030142R

Fooria Anthracite 20 mm R11 Rectified



55030141R

Fooria Beige 20 mm R11 Rectified



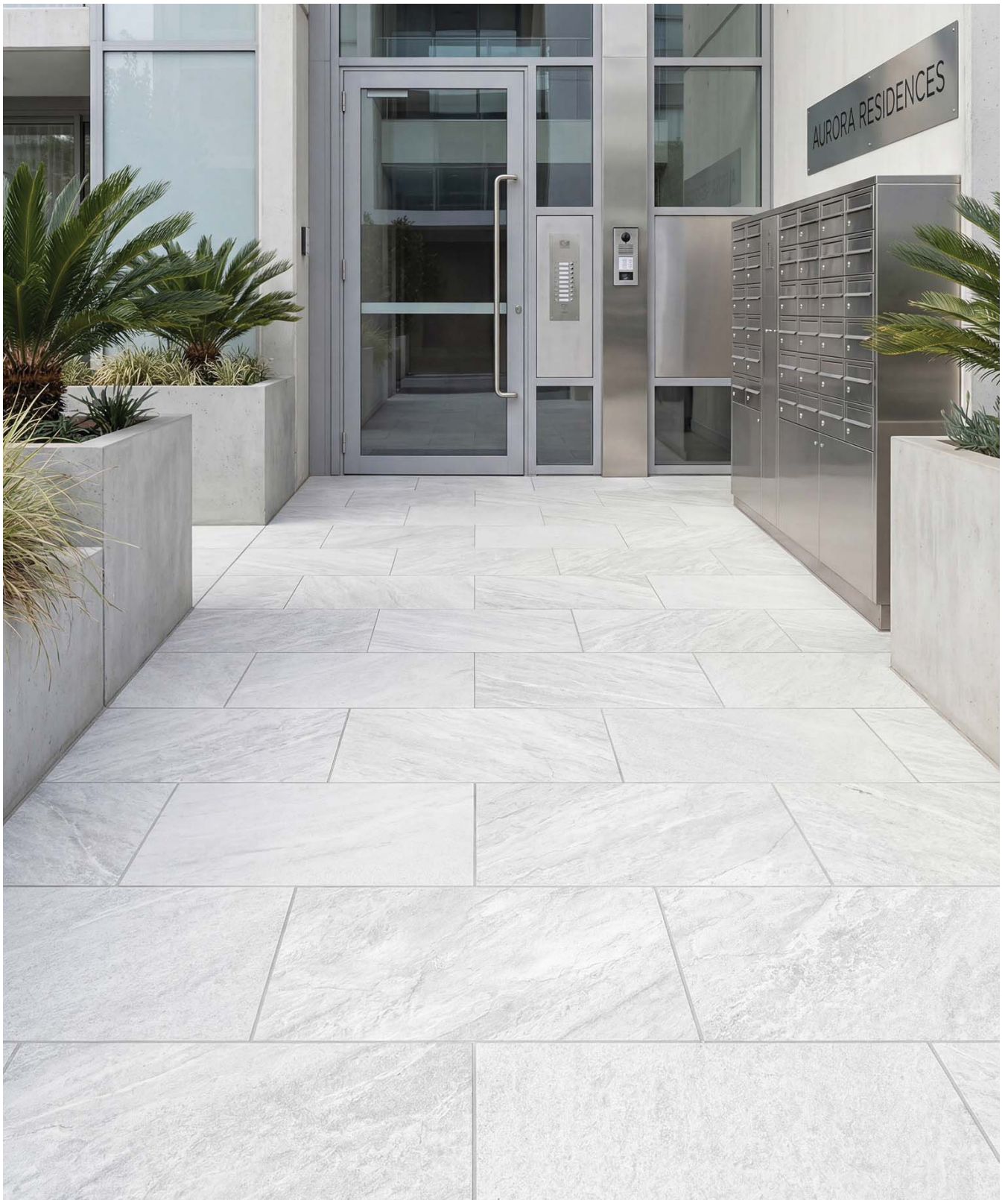


55030140R

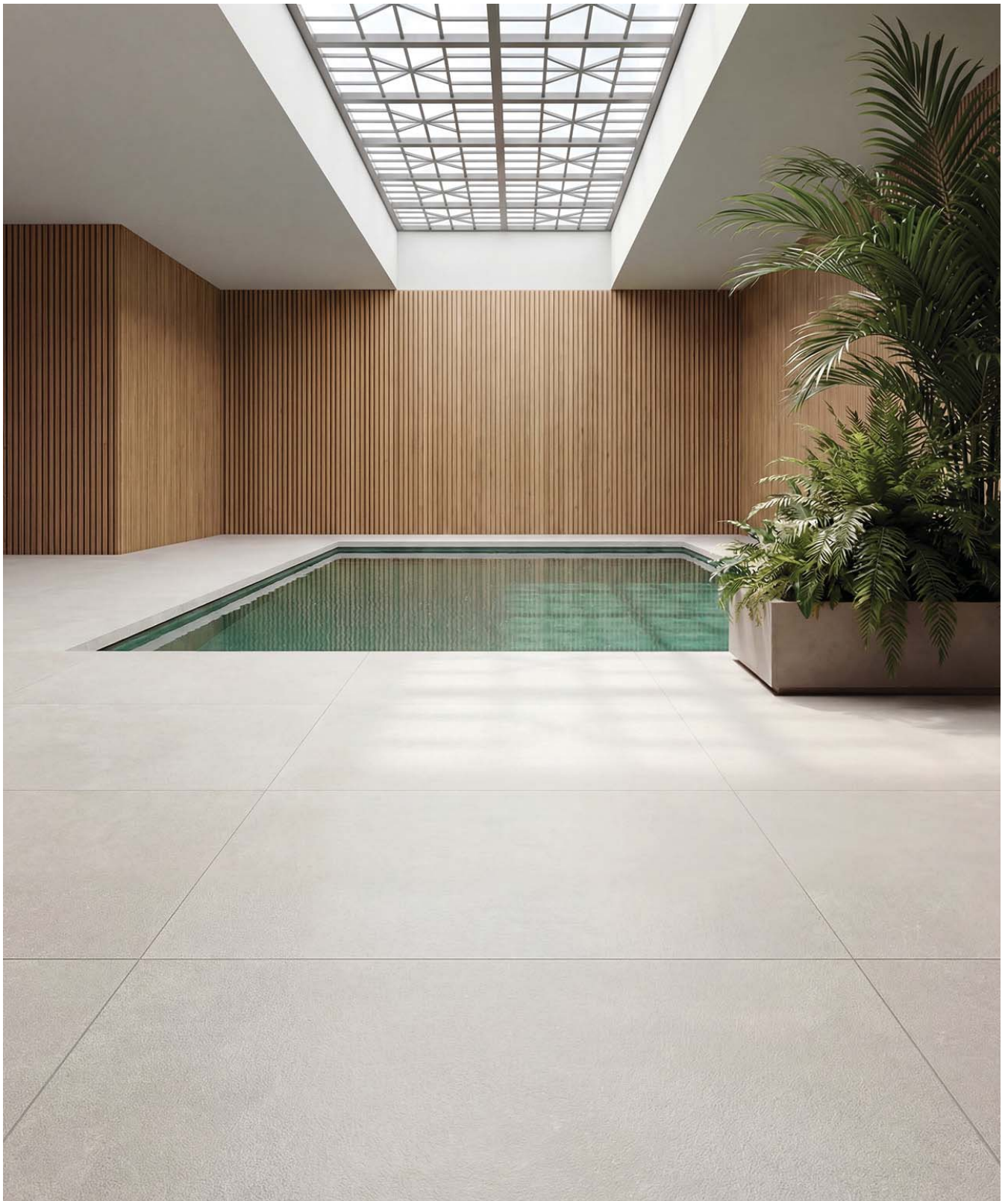
Fooria White 20 mm R11 Rectified



FOORIA

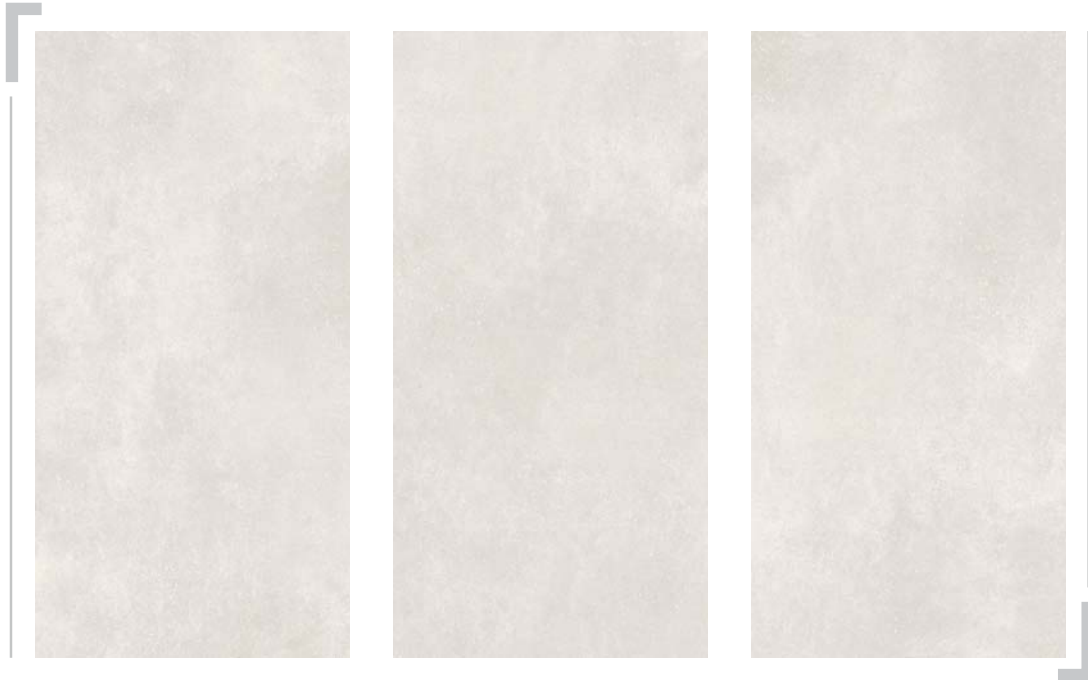


INFINITY



60 x cm
120

80 x cm
80

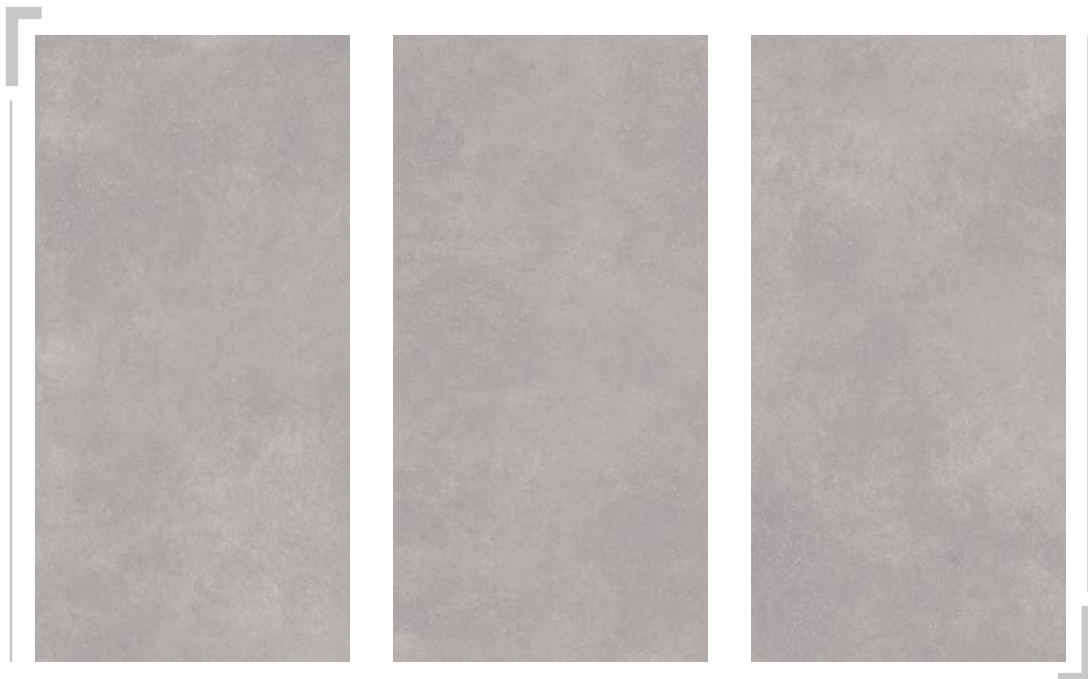


55015208R

Infinity White 20 mm R11 Rectified

Other size options

[80x80] 55014207R *Infinity White 20 mm R11 Rectified*



55015281R

Infinity Gray 20 mm R11 Rectified

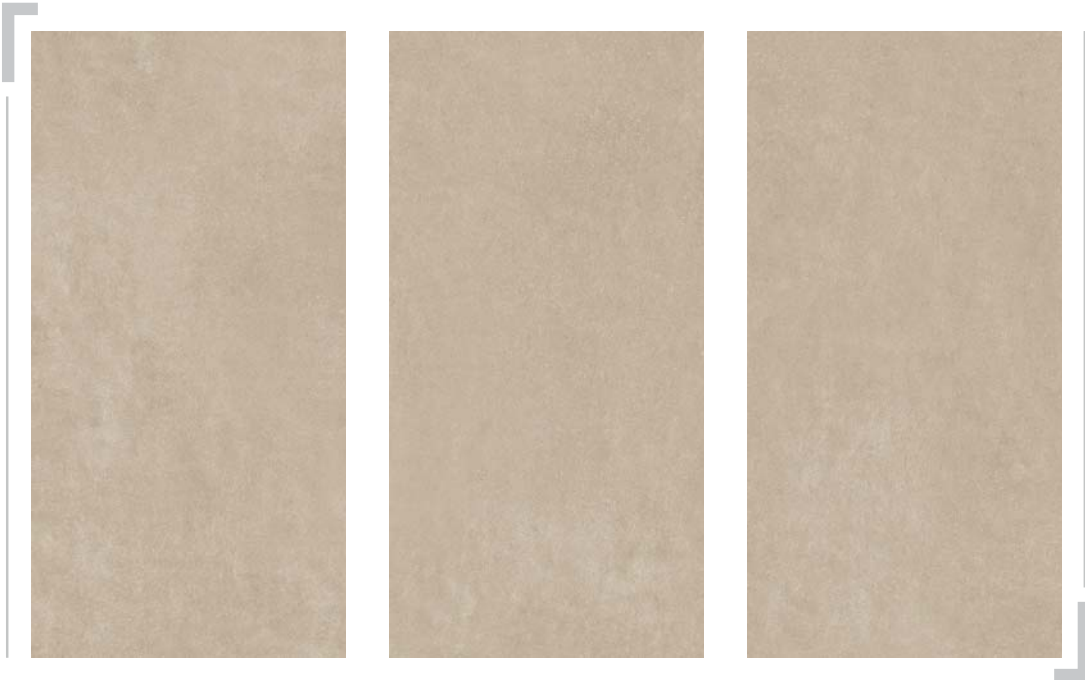
Other size options

[80x80] 55014208R *Infinity Gray 20 mm R11 Rectified*



60
120 x cm

80
80 x cm



55015274R

Infinity Marfil 20 mm R11 Rectified

Other size options

[80x80] 55014209R *Infinity Marfil 20 mm R11 Rectified*

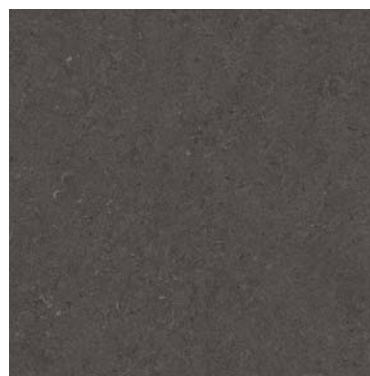
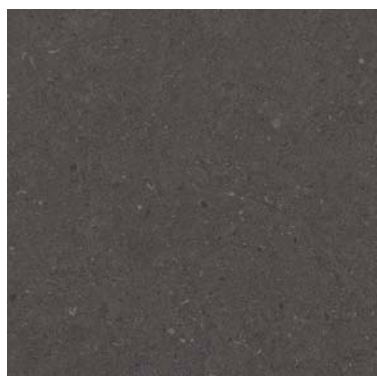


INFINITY



JURA





55018222R

Jura Anthracite 20 mm R11 Rectified



55018220R

Jura Bone 20 mm R11 Rectified





55018221R

Jura Gray 20 mm R11 Rectified



JURA



KANDALA



KANDALA

NG | PERFORMA20

60
90 x cm

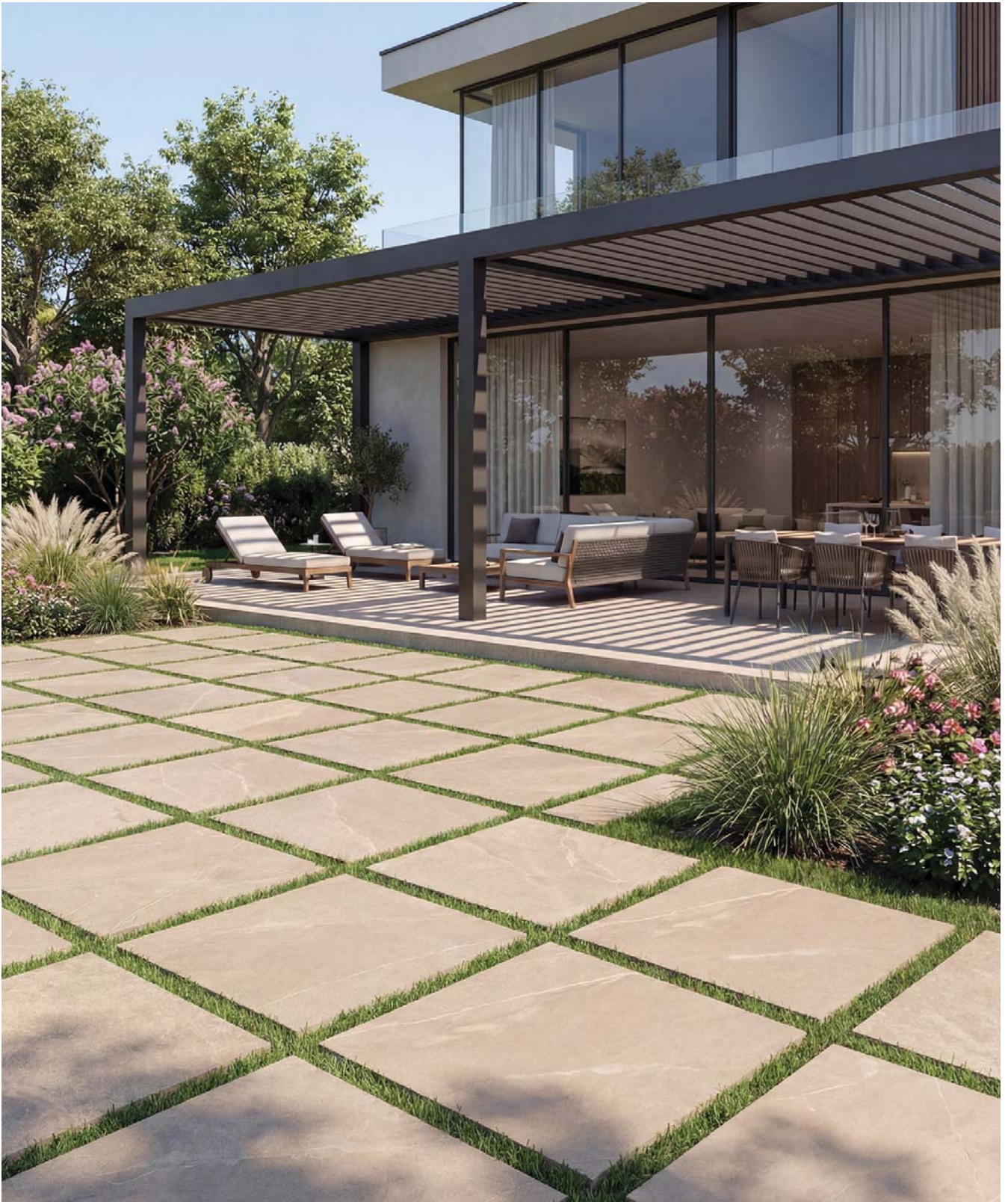


55018183R

Kandala Gray 20 mm R11 Rectified



KANSAS



60 x 90 cm 60 x 60 cm



55018280R

Kansas Anthracite 20 mm R11 Rectified

Other size options

[60x60] 55018281R *Kansas Anthracite 20 mm R11 Rectified*

FACE 14 V 2 PEI 3 R 11 CB 



55018276R

Kansas Beige 20 mm R11 Rectified

Other size options

[60x60] 55018277R *Kansas Beige 20 mm R11 Rectified*

FACE 14 V 2 PEI 4 R 11 CB 

60 x 90 cm 60 x 60 cm



55018273R

Kansas White 20 mm R11 Rectified

Other size options

[60x60] 55018274R *Kansas White 20 mm R11 Rectified*

FACE 14 V 2 PEI 4 R 11 CB 



55018278R

Kansas Gray 20 mm R11 Rectified

Other size options

[60x60] 55018279R *Kansas Gray 20 mm R11 Rectified*

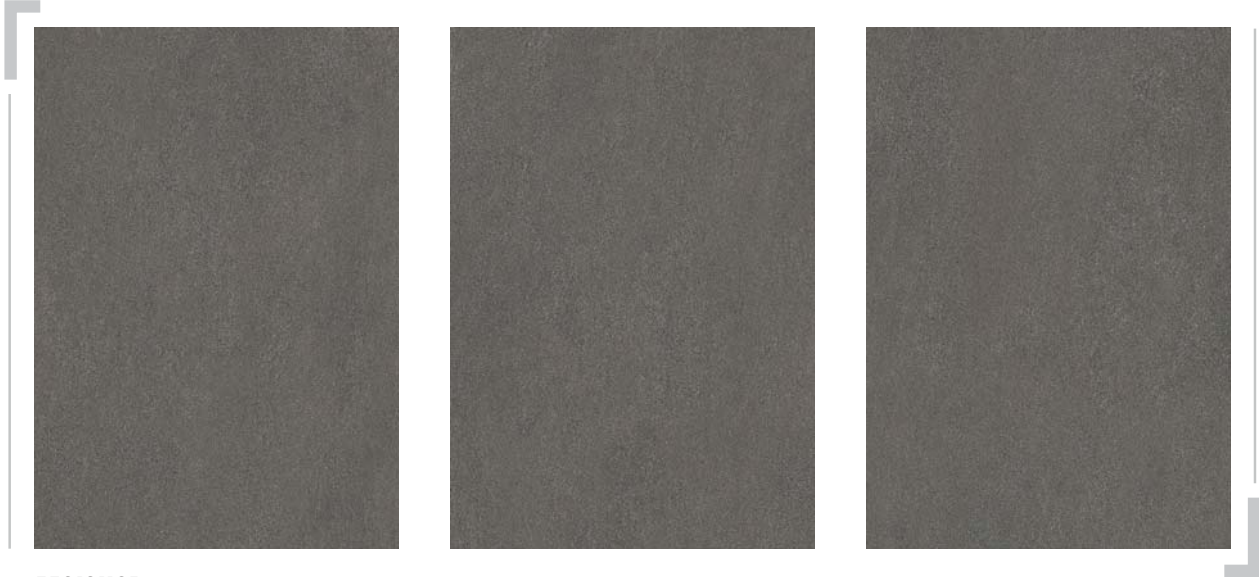
FACE 14 V 2 PEI 4 R 11 CB 

KANSAS



LEONARDO



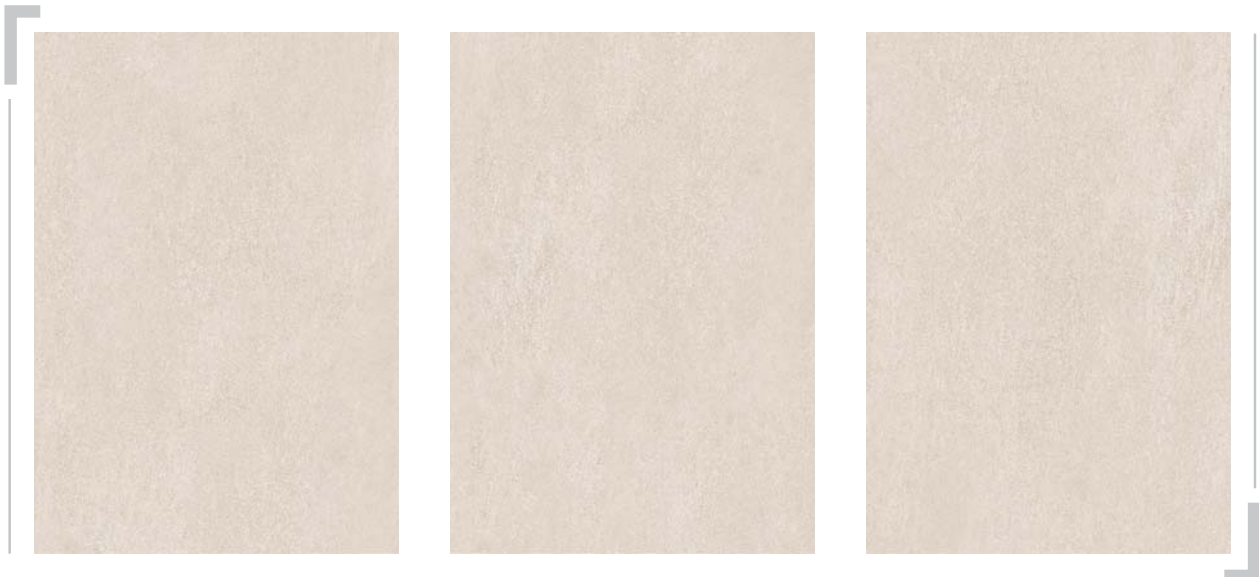


55018110R

Leonardo Anthracite 20 mm R11 Rectified

Other size options

[60x60] 55020178R Leonardo Anthracite 20 mm R11 Rectified



55018111R

Leonardo Bone 20 mm R11 Rectified

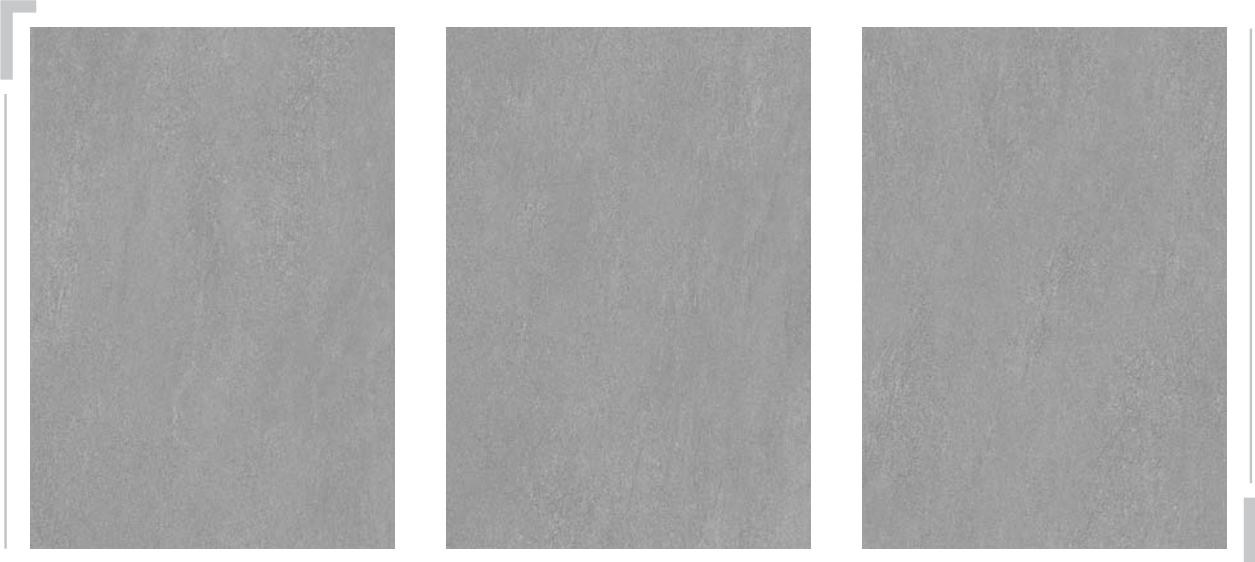
Other size options

[60x60] 55020179R Leonardo Bone 20 mm R11 Rectified



60 x 90 cm

60 x 60 cm



55017880R

Leonardo Gray 20 mm R11 Rectified

Other size options

[60x60] 55018578R Leonardo Gray 20 mm R11 Rectified

FACE 8	V 2	PEI 4	R 11	CB	
-----------	--------	----------	---------	----	--



55020181R

Leonardo Sand 20 mm R11 Rectified

Other size options

[60x60] 55020180R Leonardo Sand 20 mm R11 Rectified

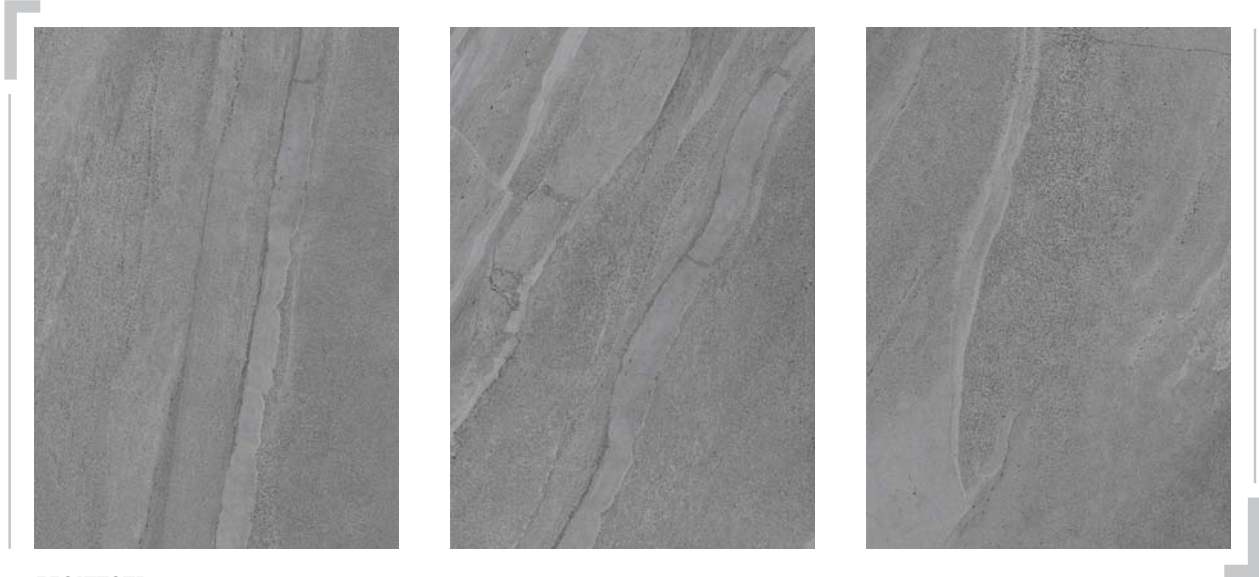
FACE 8	V 2	PEI 4	R 11	CB	
-----------	--------	----------	---------	----	--

LEONARDO



LONDON





55017737R

London Anthracite 20 mm R11 Rectified

Other size options

[60x60] 55017736R London Anthracite 20 mm R11 Rectified



55018244R

London White 20 mm R11 Rectified

Other size options

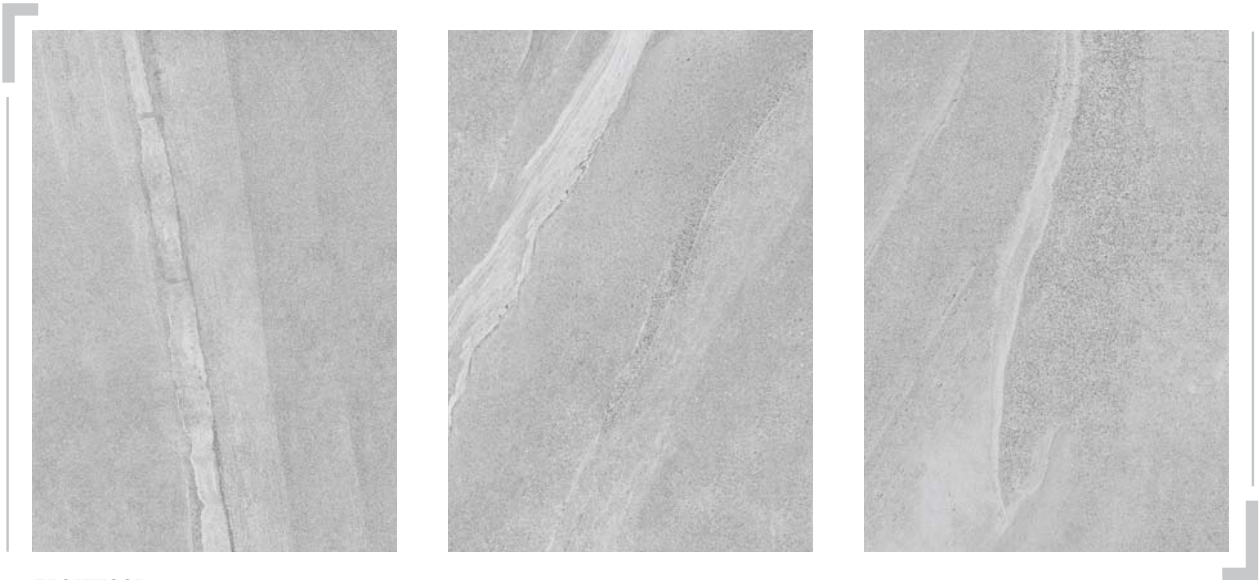
[60x60] 55018224R London White 20 mm R11 Rectified



LONDON

NG | PERFORMA20

60 x 90 cm 60 x 60 cm

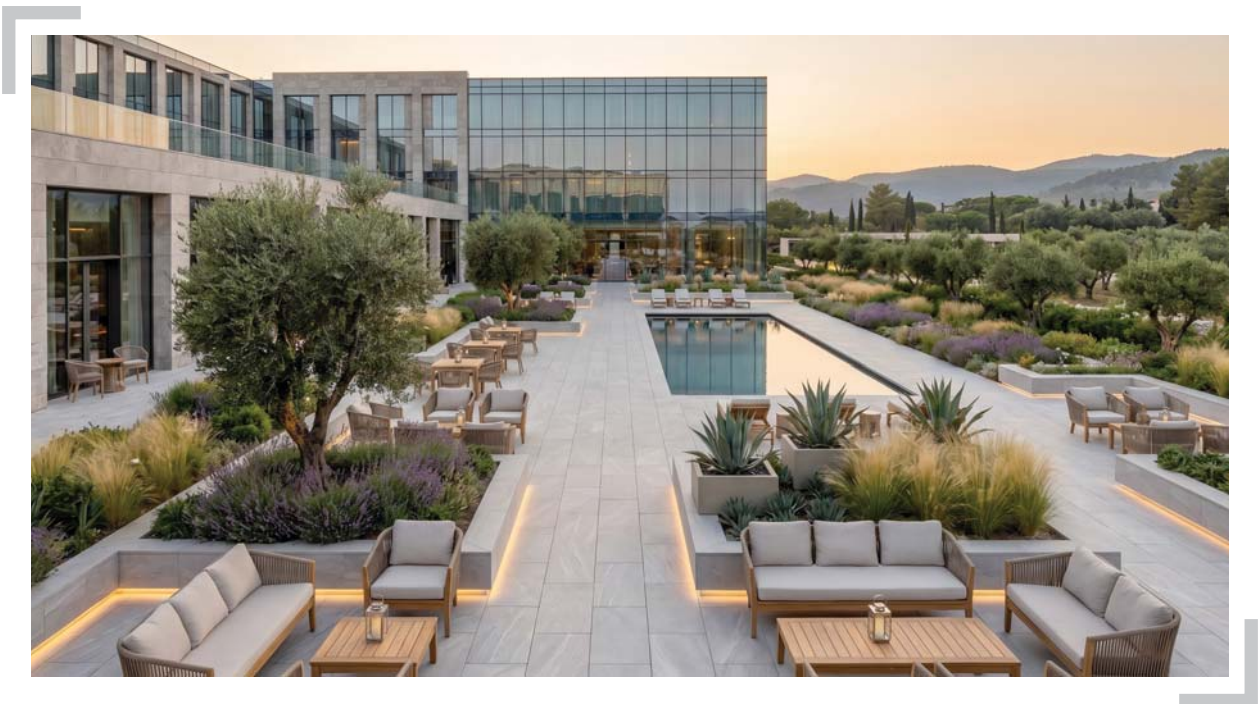


55017738R

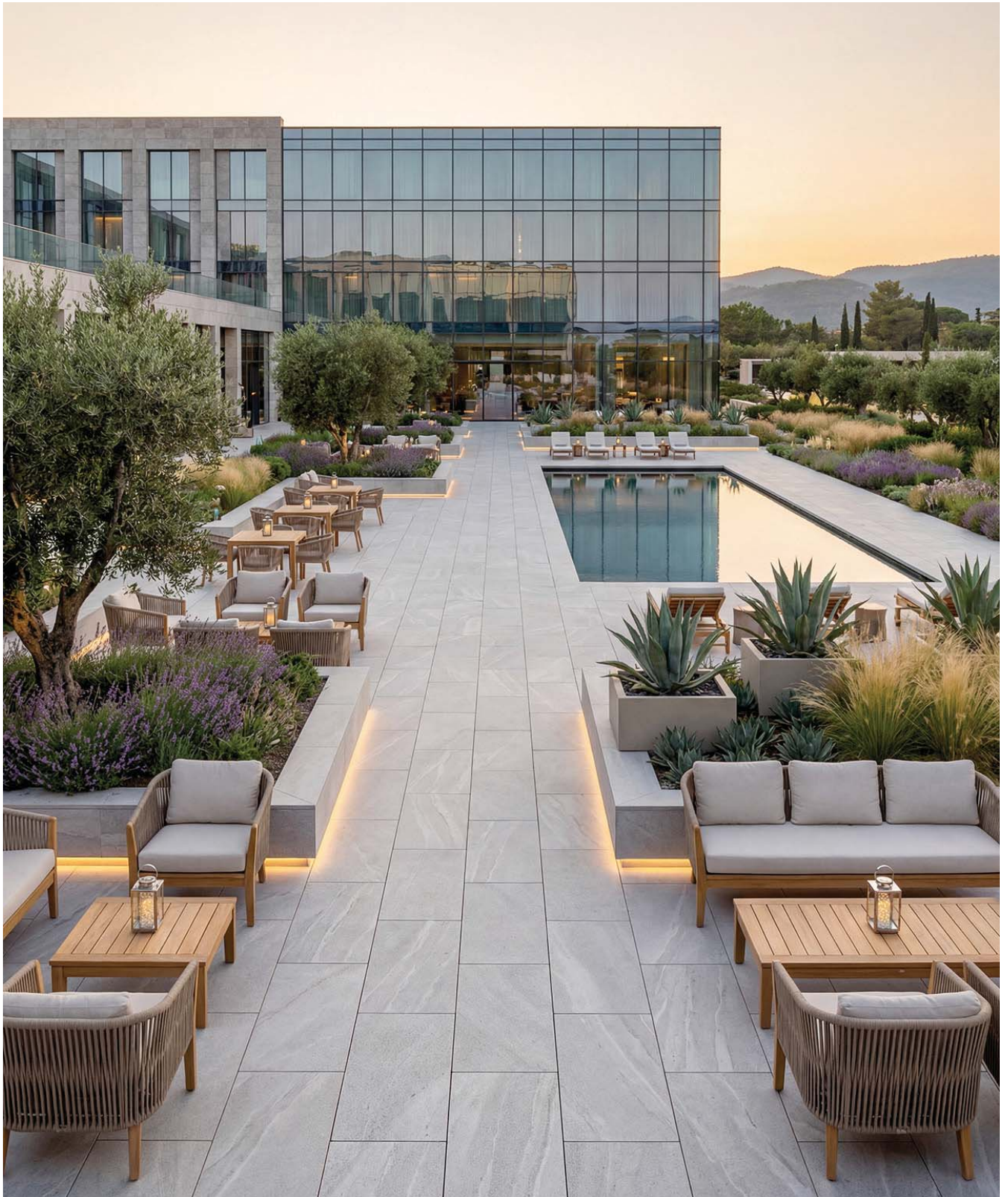
London Gray 20 mm R11 Rectified

Other size options

[60x60] 55014213R London Gray 20 mm R11 Rectified



LONDON



LUTON



60 x 90 cm 60 x 60 cm



55018625R

Luton Anthracite 20 mm R11 Rectified

FACE 10 V 2 PEI 4 R 11 CB 



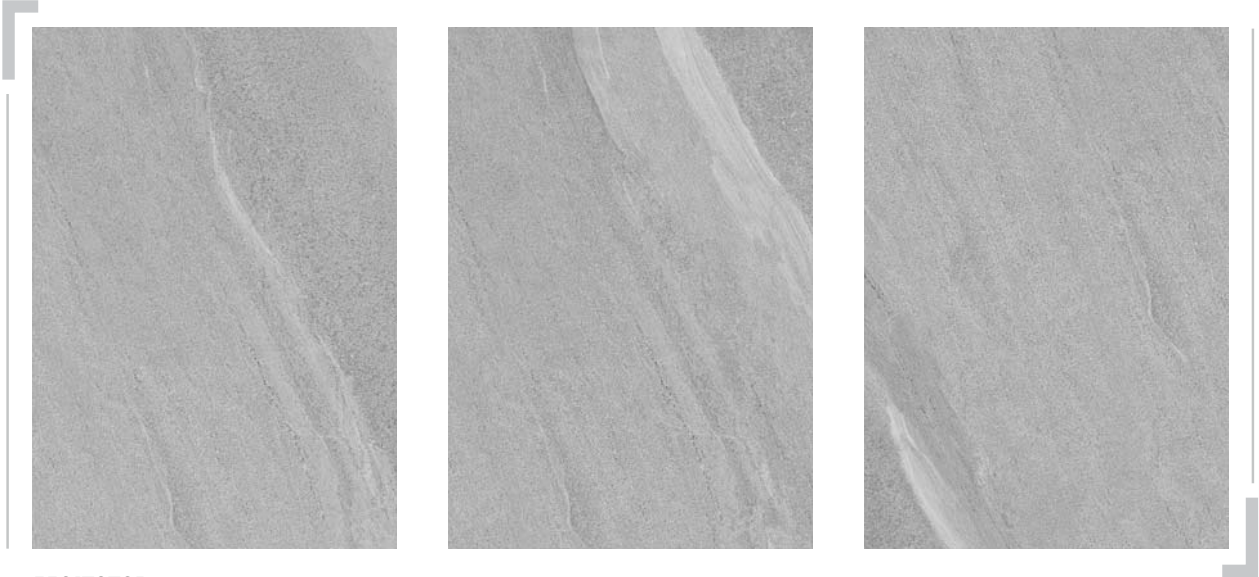
55017868R

Luton Beige 20 mm R11 Rectified

Other size options

[60x60] 55018805R Luton Beige 20 mm R11 Rectified

FACE 10 V 2 PEI 4 R 11 CB 



55017870R

Luton Dark Gray 20 mm R11 Rectified

Other size options

[60x60] 55018807R Luton Dark Gray 20 mm R11 Rectified



55018109R

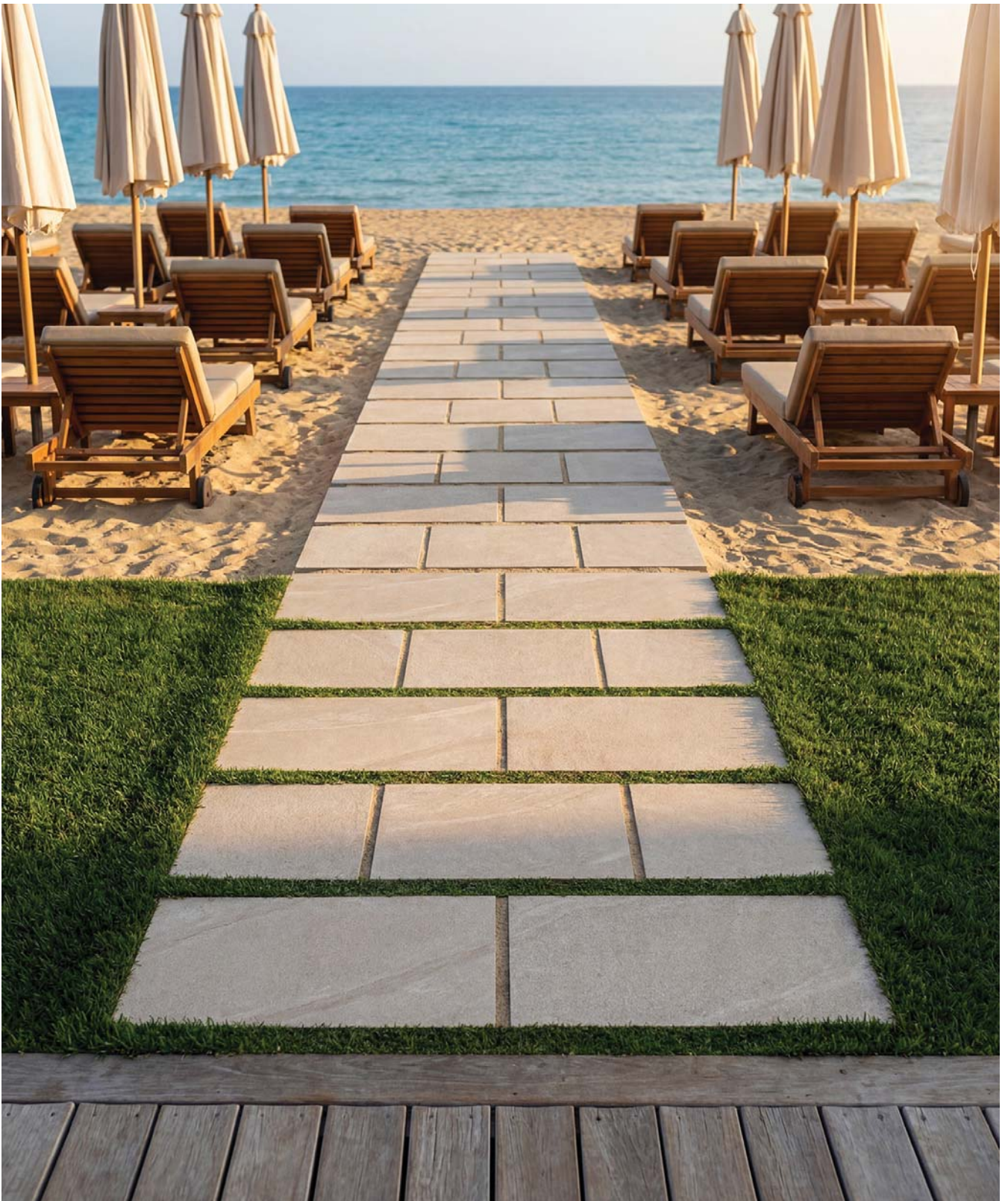
Luton Light Gray 20 mm R11 Rectified

Other size options

[60x60] 55018806R Luton Light Gray 20 mm R11 Rectified



LUTON



NUOVA





55030382R

Nuova Anthracite 20 mm R11 Rectified



55030381R

Nuova Beige 20 mm R11 Rectified





55030380R

Nuova Gray 20 mm R11 Rectified



NUOVA



OCTAVIA



80 x 80 cm 60 x 60 cm



55014211R

Octavia Bone 20 mm R11 Rectified

Other size options

[60x60] 55017552R Octavia Bone 20 mm R11 Rectified

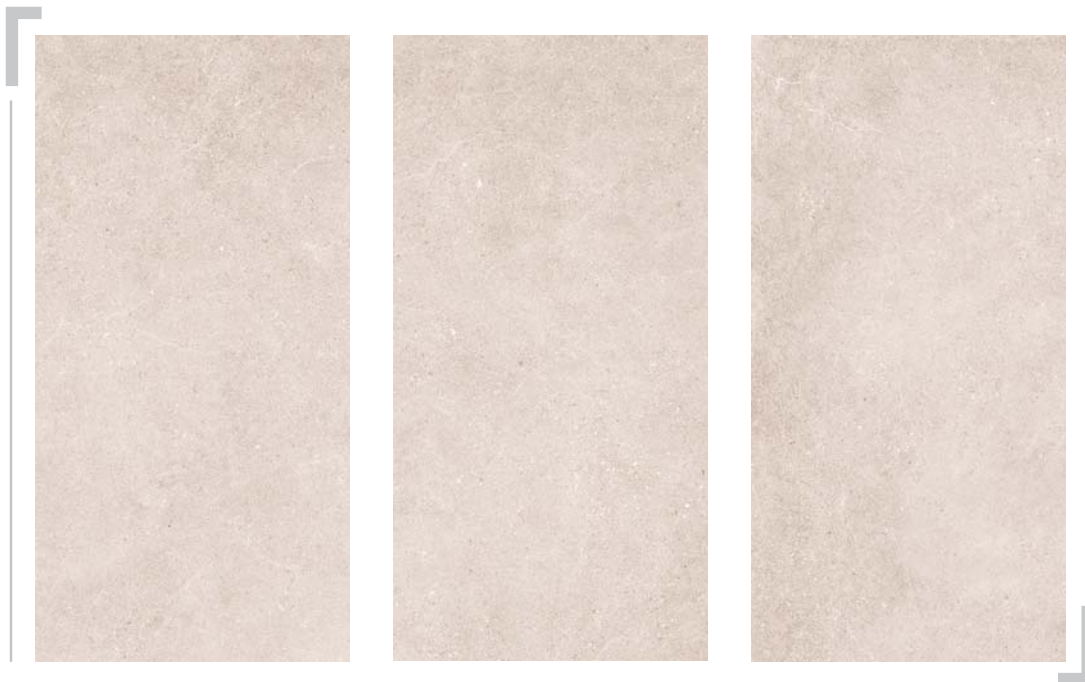
FACE 10	V 3	PEI 4
R 11	CB	



PADOVA



60x120 cm 80x80 cm 60x90 cm 60x60 cm



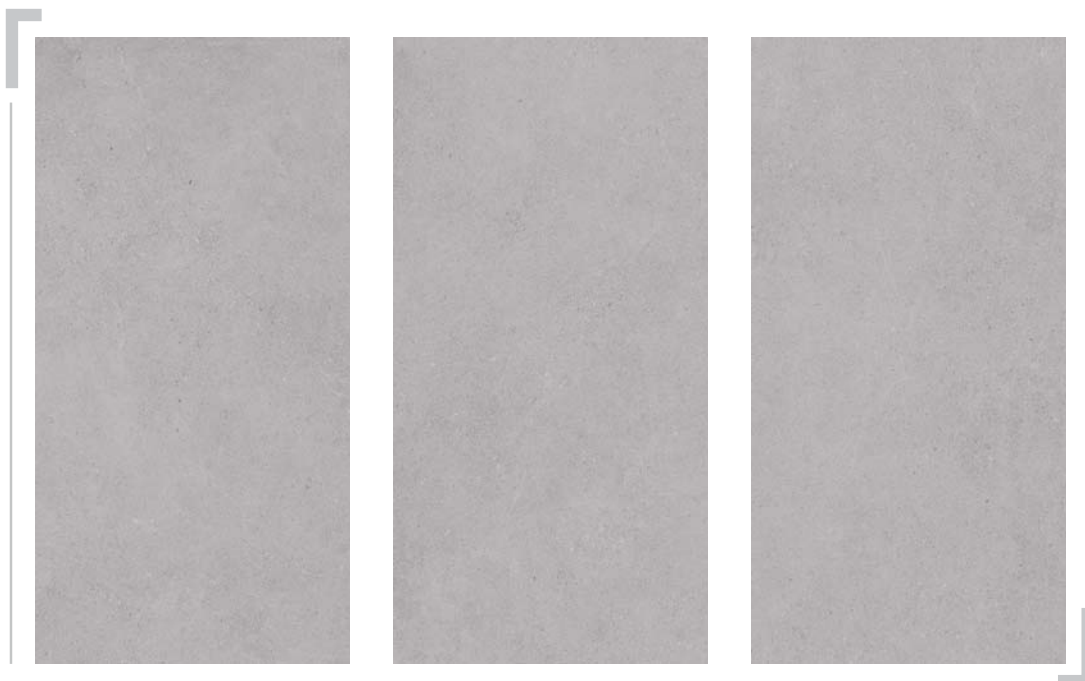
55018482R

Padova Bone 20 mm R11 Rectified

Other size options

- 60x90 | 55018472R Padova Bone 20 mm R11 Rectified
- 60x60 | 55018567R Padova Bone 20 mm R11 Rectified
- 80x80 | 55014204R Padova Bone 20 mm R11 Rectified

FACE 12 V 2 PEI 4 R 11 CB 



55018480R

Padova Gray 20 mm R11 Rectified

Other size options

- 60x90 | 55018471R Padova Gray 20 mm R11 Rectified
- 60x60 | 55018568R Padova Gray 20 mm R11 Rectified
- 80x80 | 55014205R Padova Gray 20 mm R11 Rectified

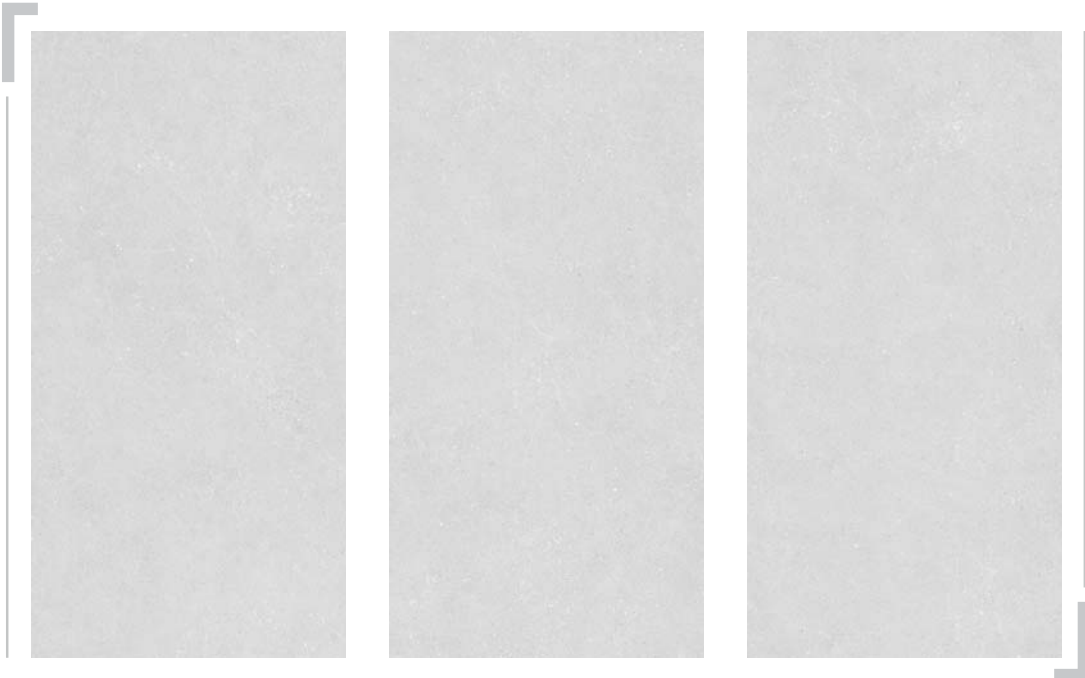
FACE 13 V 2 PEI 4 R 11 CB 

60
120 x cm

80
80 x cm

60
90 x cm

60
60 x cm



55018483R

Padova White 20 mm R11 Rectified

Other size options

60x90 | 55018473R Padova White 20 mm R11 Rectified

60x60 | 55018569R Padova White 20 mm R11 Rectified

80x80 | 55014206R Padova White 20 mm R11 Rectified



PADOVA



RAPTURA



60
90 x cm



55017896R

Raptura Ivory 20 mm R11 Rectified

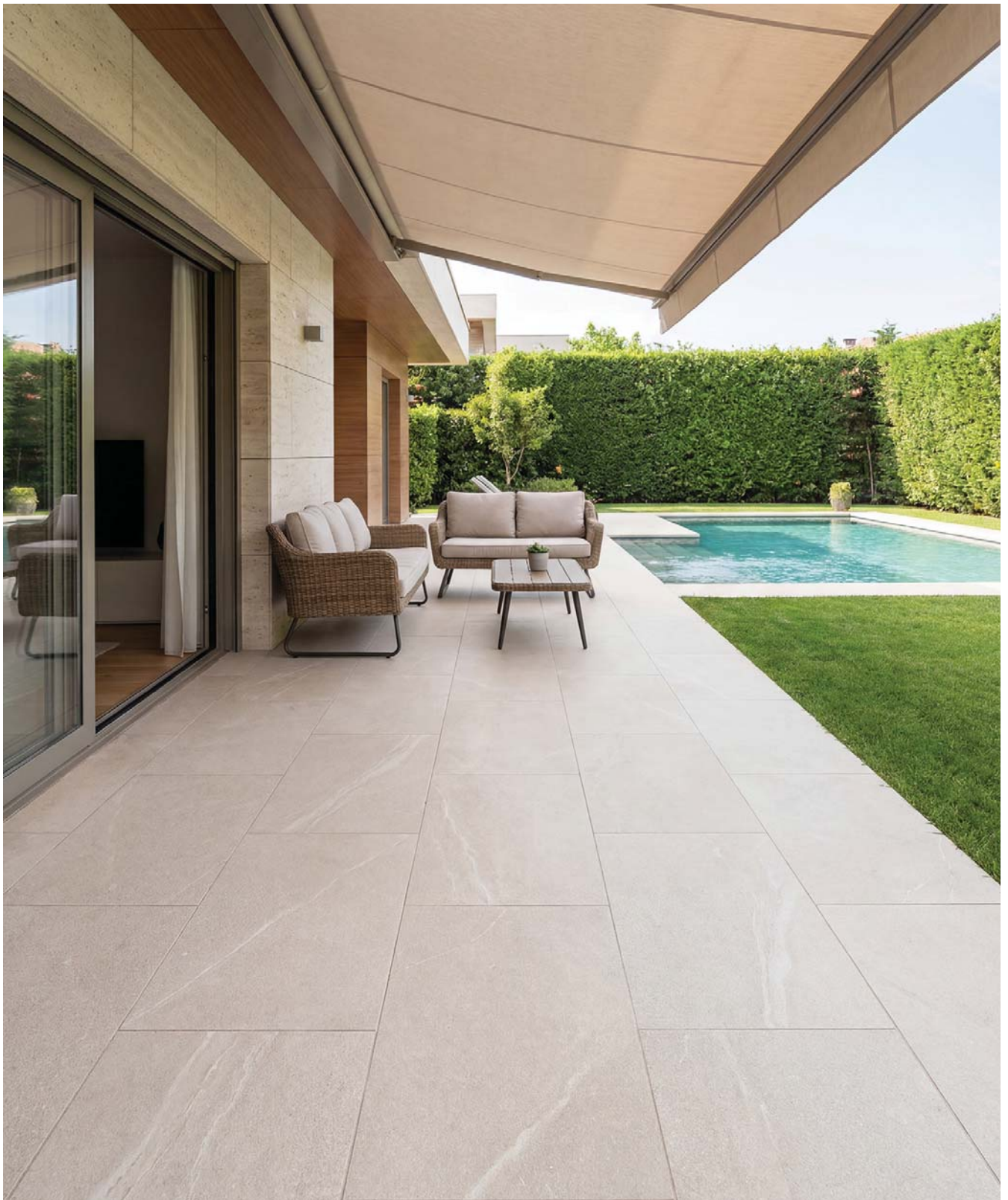


55017826R

Raptura Gray 20 mm R11 Rectified



SOLACE



60 x 90 cm 60 x 120 cm



55019098R

Solace Gray 20 mm R11 Rectified

Other size options

[60x120] *Solace Gray 20 mm R11 Rectified*

FACE 9 V 2 PEI 3 R 11 CB 



55019096R

Solace Ivory 20 mm R11 Rectified

Other size options

[60x120] *Solace Ivory 20 mm R11 Rectified*

FACE 9 V 2 PEI 4 R 11 CB 

60x90 cm 60x120 cm



55019097R

Solace Pearl 20 mm R11 Rectified

Other size options

[60x120] *Solace Pearl 20 mm R11 Rectified*

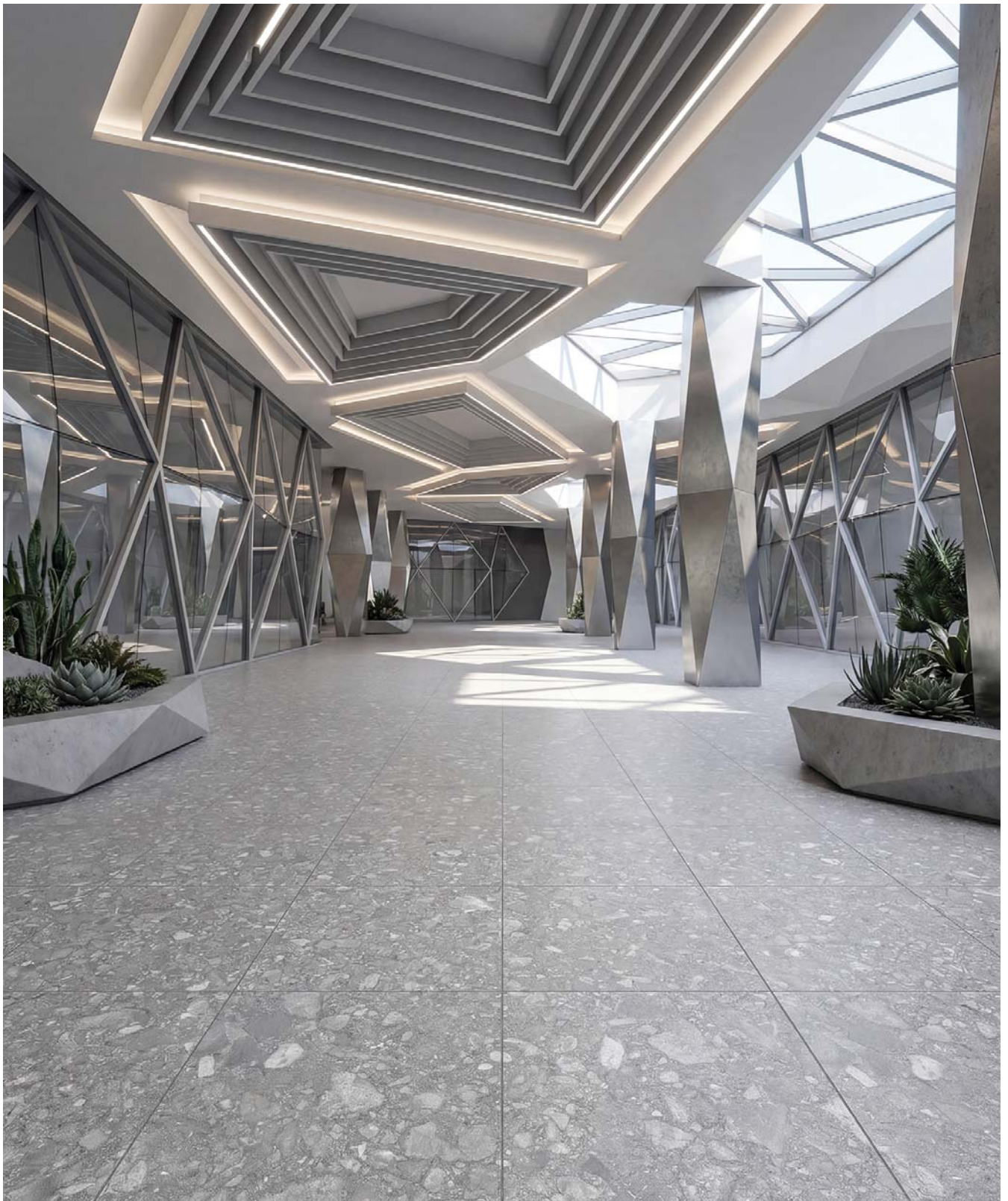
FACE 9	V 2	PEI 4	R 11	CB	
-----------	--------	----------	---------	----	--



SOLACE



TERRA STONE

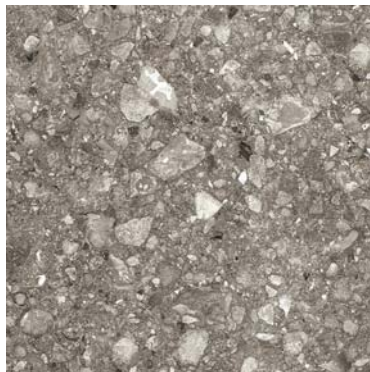
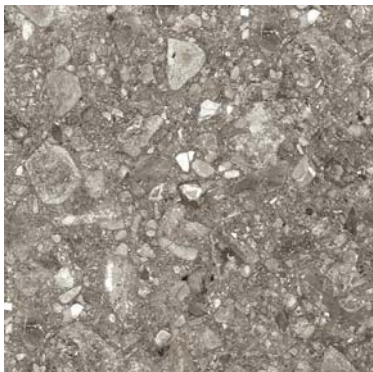


60 x 60 cm



55014499R

Terra Stone Gray 20 mm R11 Rectified

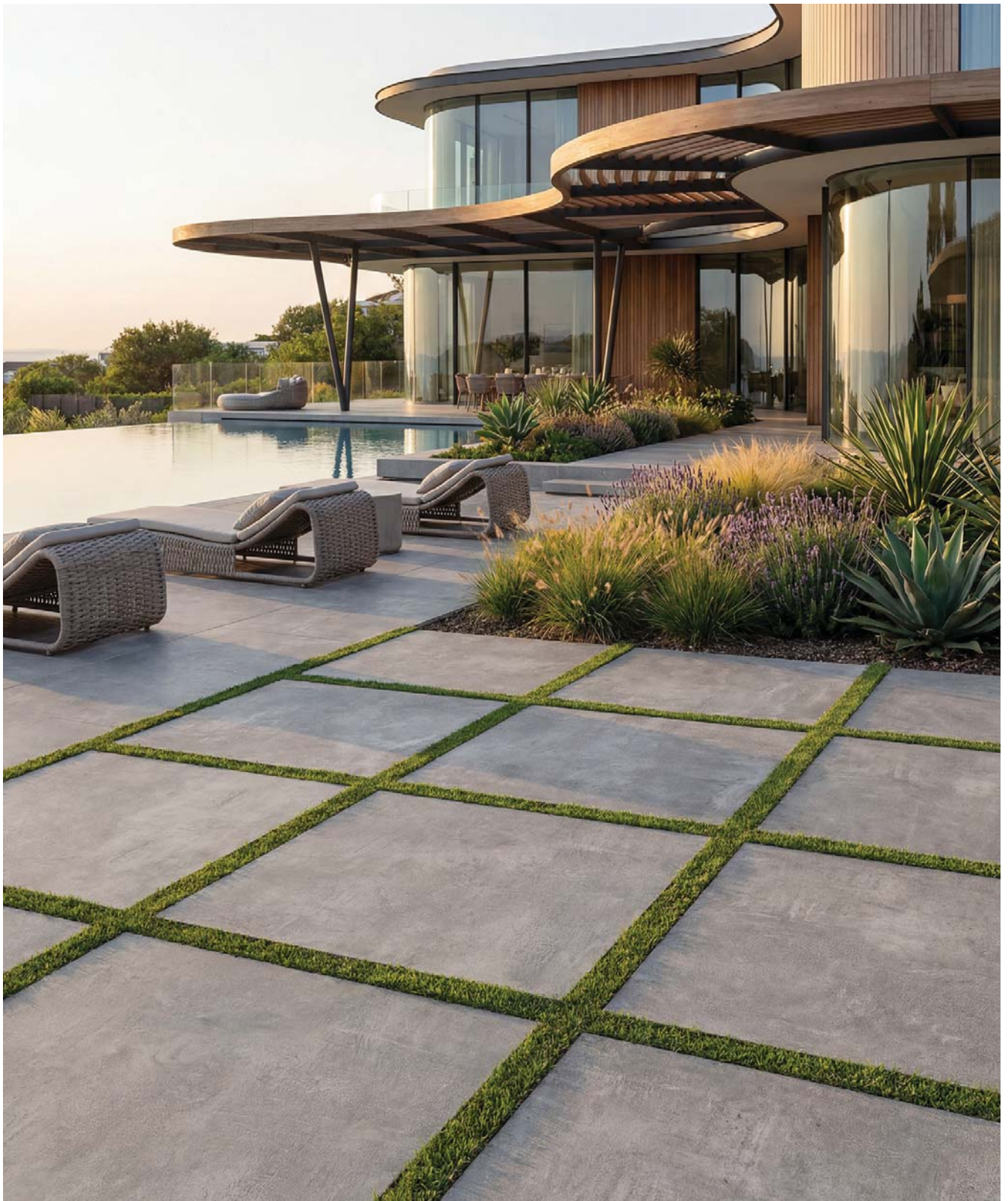


55014500R

Terra Stone Mocha 20 mm R11 Rectified



TORTUGA





55017824R

Tortuga Anthracite 20 mm R11 Rectified

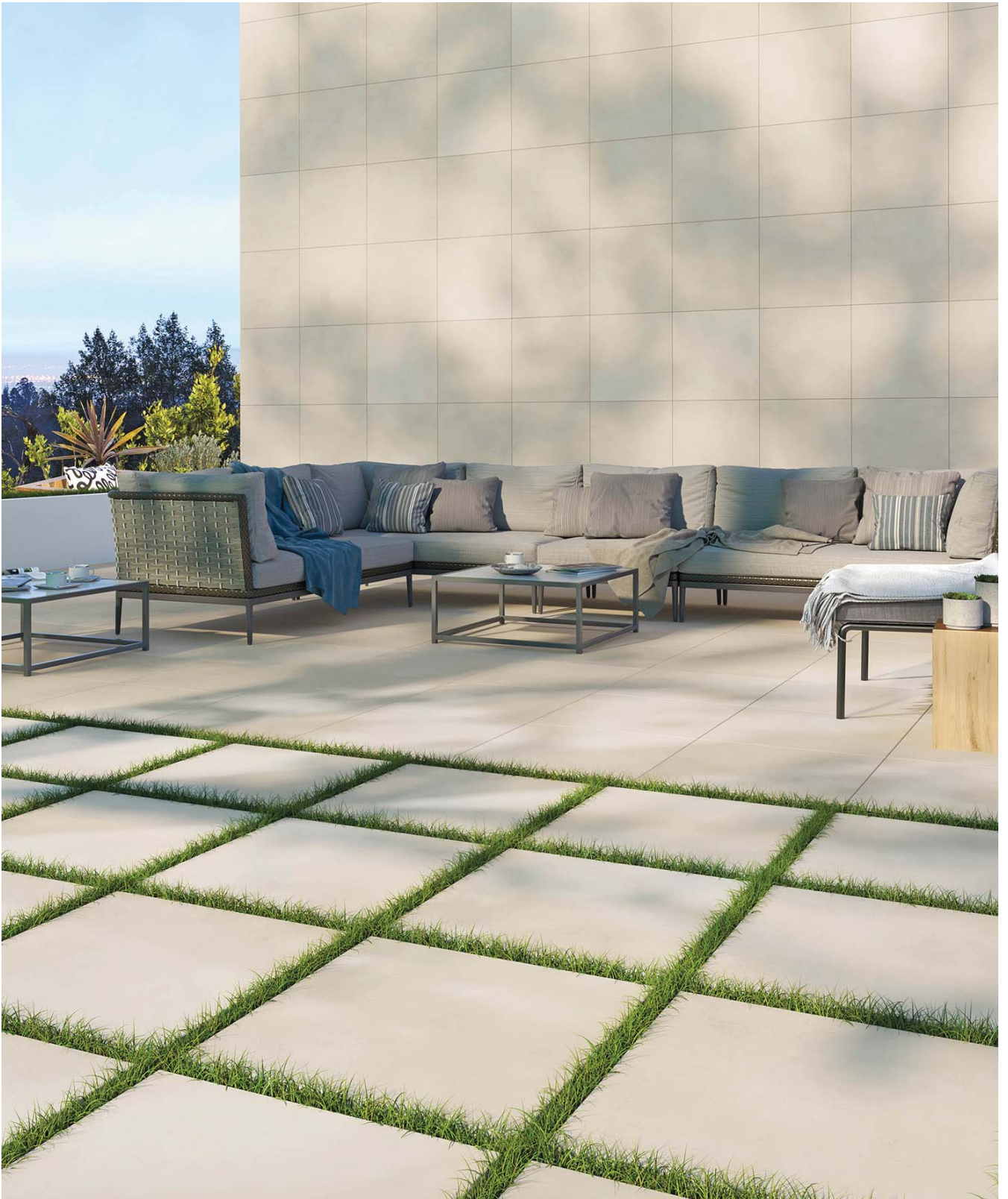


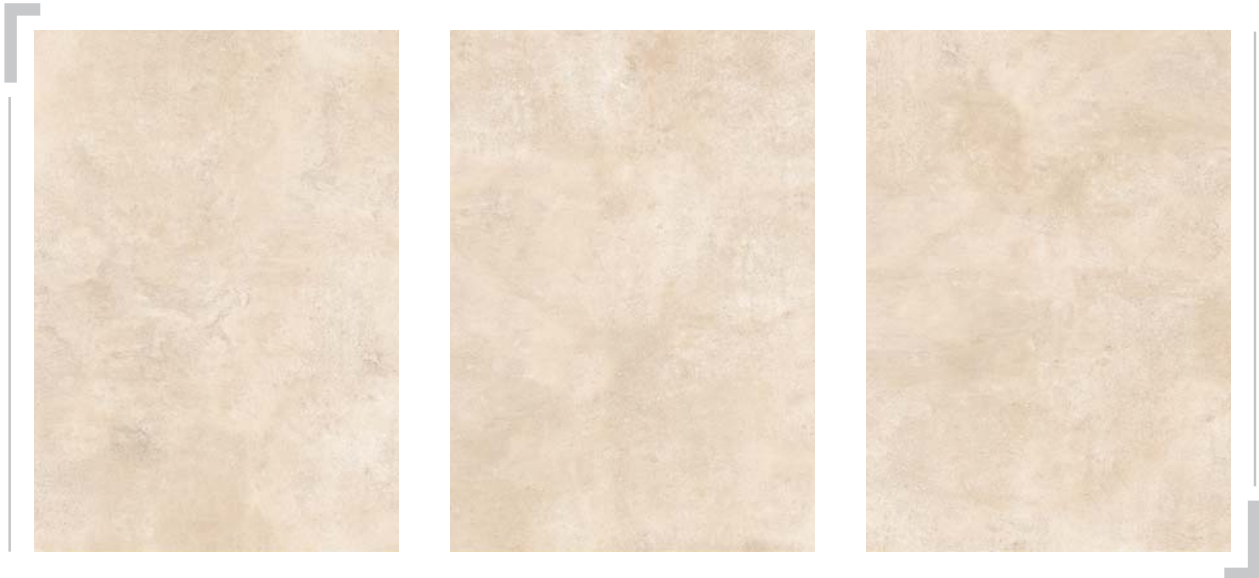
55017825R

Tortuga Gray 20 mm R11 Rectified



VISTA



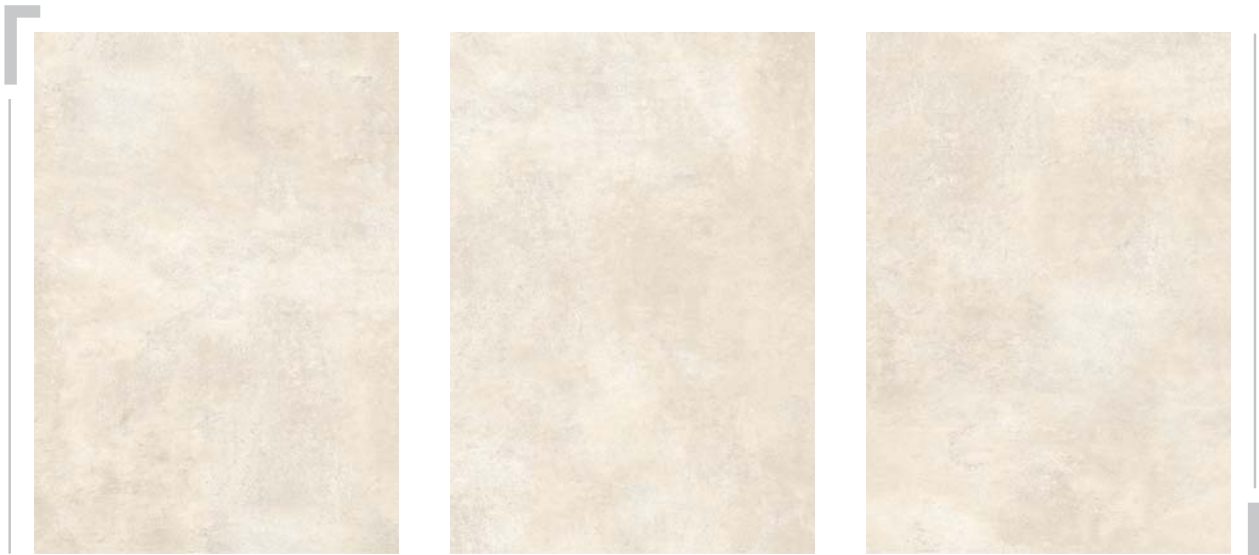


55018259R

Vista Beige 20 mm R11 Rectified

Other size options

[60x60] 55014560R Vista Beige 20 mm R11 Rectified



55018257R

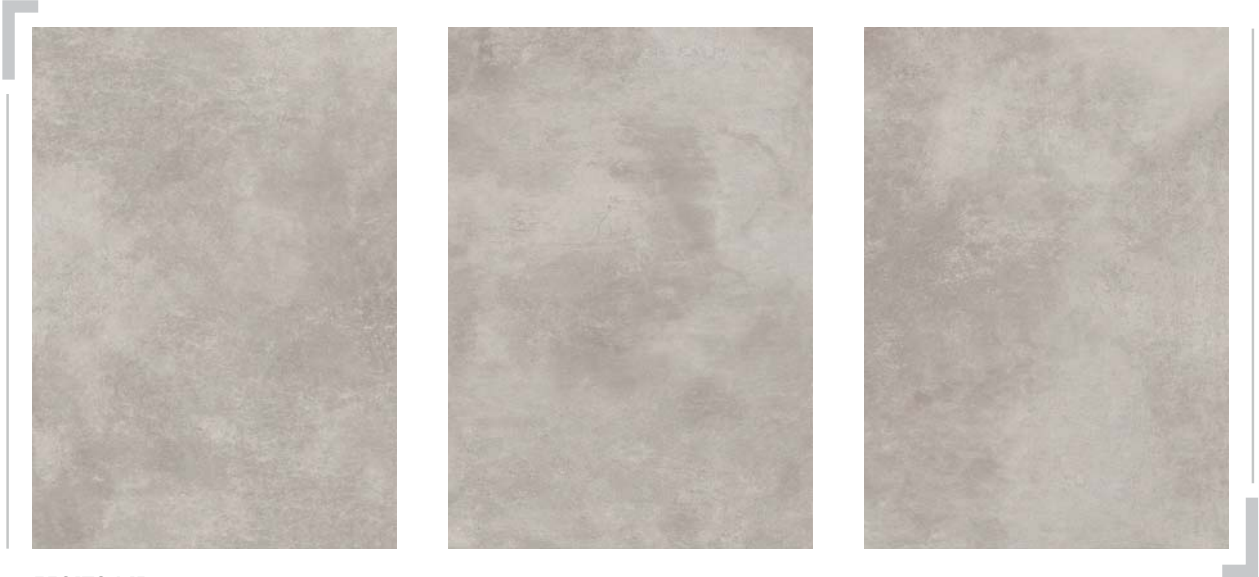
Vista Bone 20 mm R11 Rectified

Other size options

[60x60] 55014549R Vista Bone 20 mm R11 Rectified



60 x 90 cm 60 x 60 cm



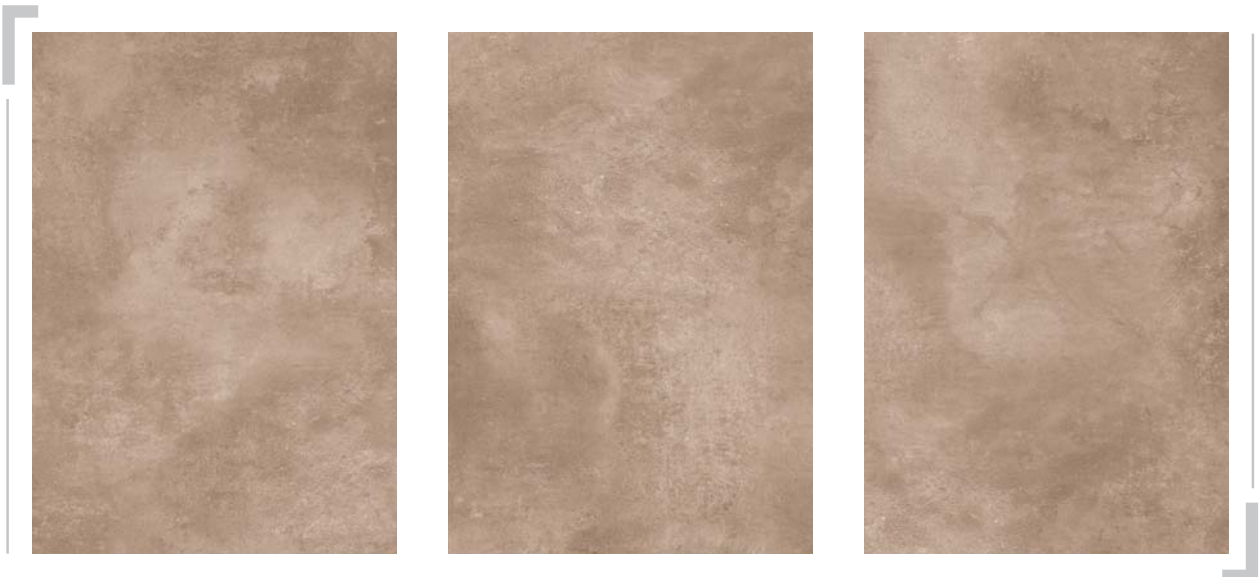
55017846R

Vista Gray 20 mm R11 Rectified

Other size options

[60x60] 55014202R *Vista Gray 20 mm R11 Rectified*

FACE 9 V 2 PEI 4 R 11 CB 



55018502R

Vista Mink 20 mm R11 Rectified

FACE 8 V 2 PEI 3 R 11 CB 



55014550R

Vista Anthracite 20 mm R11 Rectified



55020624R

Vista Lead Gray 20 mm R11 Rectified



Why
NG Performa20?

NG | PERFORMA20





Superior Durability

Ideal for areas with heavy pedestrian and vehicular traffic.
(Load-bearing capacity exceeding 1,300 kg/cm².)



Resistant to Fire

No expansion or color fading occurs.



Frost Resistant

No deformation or mass loss occurs due to freezing.



Unaffected by Weather Conditions

Resistant to temperature variations in natural environments.



Easy Cleaning

Easily cleaned using pressurized water.



Salt Resistant

Resistant to saltwater, acids, and alkalis.



Moisture Resistant

Water absorption rate $\leq 0.05\%$.



Non-Slip Surface

Slip-resistant surface alternatives available in R10, R11, and R12.



Fast and Easy Installation

Spaces are ready for immediate use after application.



Reusable

Supports sustainable use thanks to its structure suitable for removal and reinstallation.



Sound and Thermal Insulation

Supports sound and thermal insulation depending on the installation method.



Resistant to Mold and Algae

Resistant to mold, algae, and chemical exposure.



Long-Lasting Structure

No deformation, cracking, or surface alteration over time.



Resistant to Chemicals

Unaffected by chemical exposure.

NG Performa20
Where is it Used?



NG | PERFORMA20



Terraces, Verandas, and Balkonies

Suitable for use in residential areas continuously exposed to external environmental conditions.



Parking Areas, Garages, and Access roads

With above-average load resistance, it is a reliable and durable choice.



Pool Surroundings, Ornamental Pools, and Fountain Areas

Thanks to its moisture resistance, it is suitable for wet areas when produced with anti-slip properties.



Park, Gardens, and Recreational Areas

Installation in green spaces and recreational areas is fast and practical.



Factories, Airports, and Stations

Safely used in commercial and public areas with heavy pedestrian and load traffic where high durability is required.



Resorts, Coastlines, and Beaches

Suitable for all types of soft surfaces. Easily installed on sandy and pebbled beaches using the dry installation method.

DRY INSTALLATION ON GRASS

NG Performa20 enables the efficient and rapid creation of pedestrian pathways in green areas. The dry installation method eliminates the need for adhesives, grout, and tiling labor, offering a practical, cost-efficient, and environmentally sustainable solution.



1 Preparation

The tile layout to be applied on the grass is determined. The area is excavated with a shovel according to the tile dimensions. The ground is prepared by digging to a depth of approximately 5–6 cm.



2 Leveling Layer

Gravel is placed within the prepared base to achieve the desired elevation and leveled using a screed. It is recommended to apply a gravel layer with a minimum thickness of 3 cm beneath the installation area.



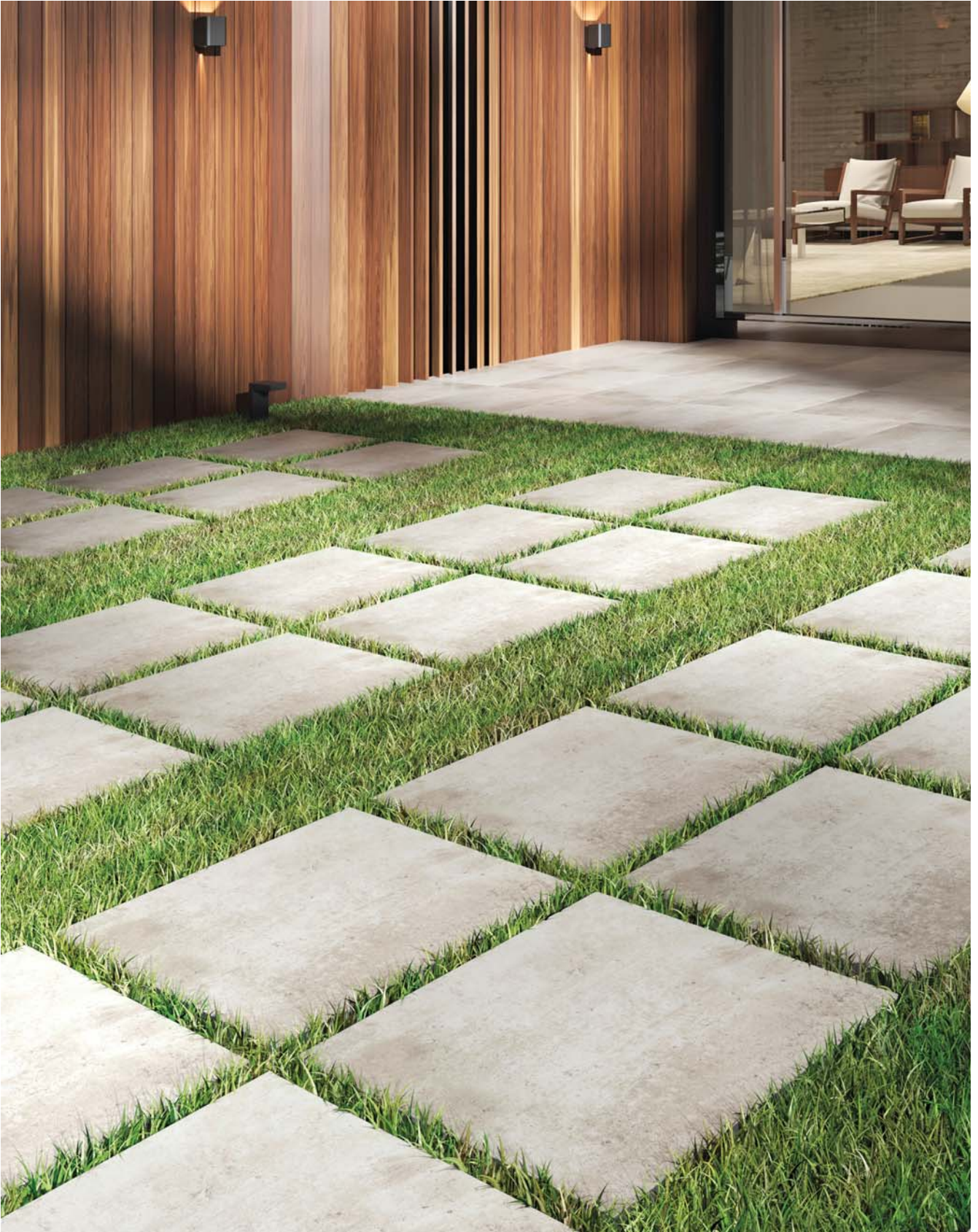
3 Tile Placement

Tiles are positioned approximately 1 cm below the grass level.



4 Level Adjustment

A rubber mallet is used to align the grass level with the tiles.







DRY INSTALLATION ON GRAVEL

NG Performa20 offers a practical and versatile solution for both residential and public spaces. Installation on gravel ensures proper drainage of rainwater.



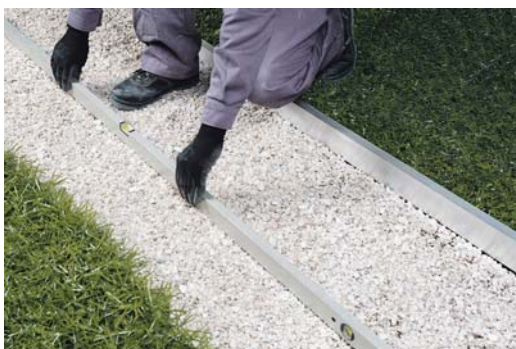
1 Preparation

A mixture of gravel with varying particle sizes (16–35 mm) is spread over the application area, forming a layer with a thickness of 10–20 cm.



2 Surface Alignment

A minimum slope of 2% should be provided in the direction of water flow within the application area.



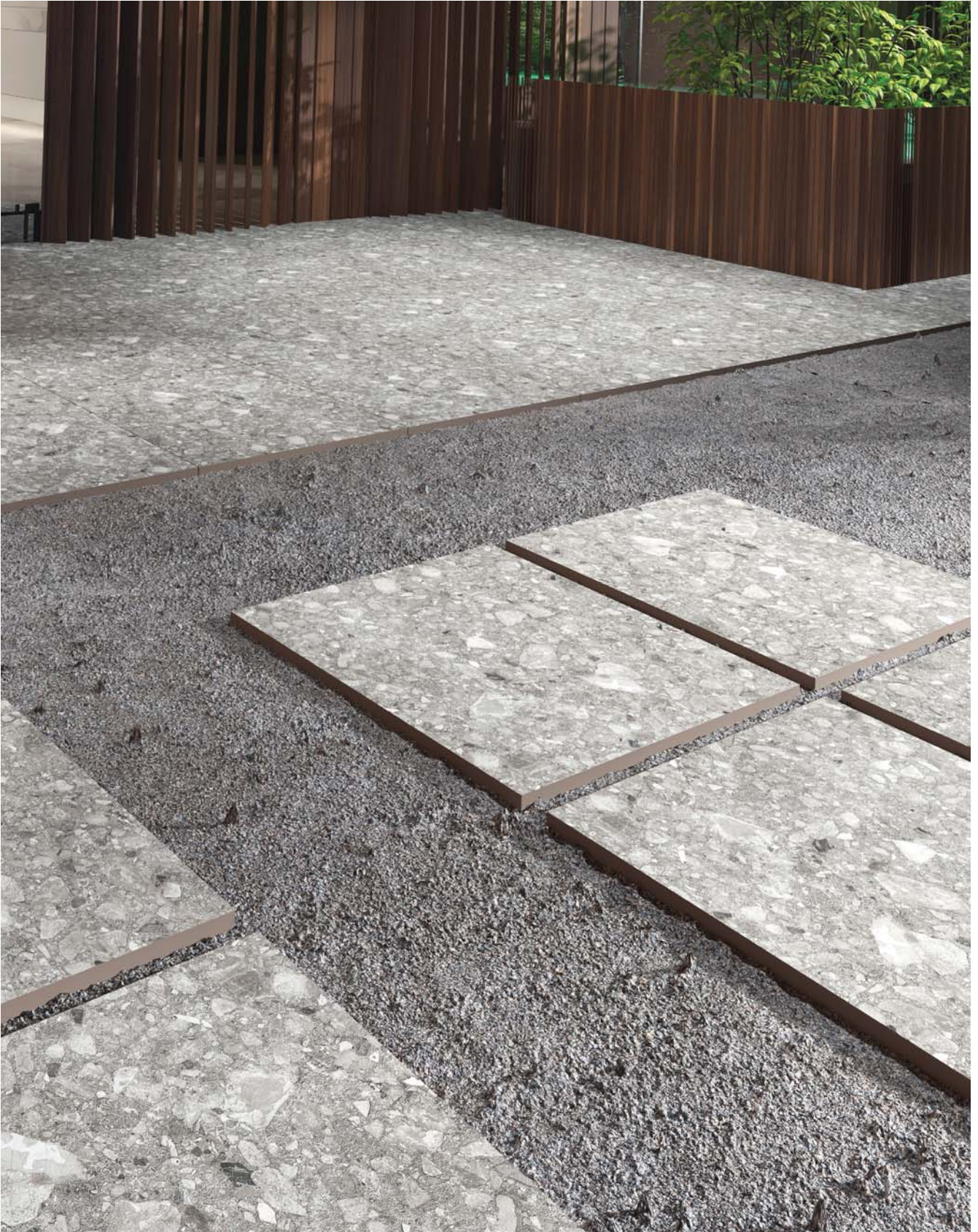
3 Tile Placement

The gravel layer is leveled using a screed. During installation, standard spacing between tiles are maintained, and surface flatness is checked every 5 meters to ensure optimal application.



4 Level Adjustment

The gaps between the tiles are filled with fine sand or gravel, and a rubber mallet is used to ensure the tiles are properly seated on the surface.







DRY INSTALLATION ON SAND

NG Performa20 enables the creation of pedestrian pathways and seating areas in beach and coastal environments. For sand-based applications, the use of light-colored tiles is recommended to minimize surface heat absorption.



1 Preparation

A sand layer with a minimum thickness of 5–10 cm should be prepared in the application area.



2 Leveling Layer

The surface is leveled using a screed before tile installation.



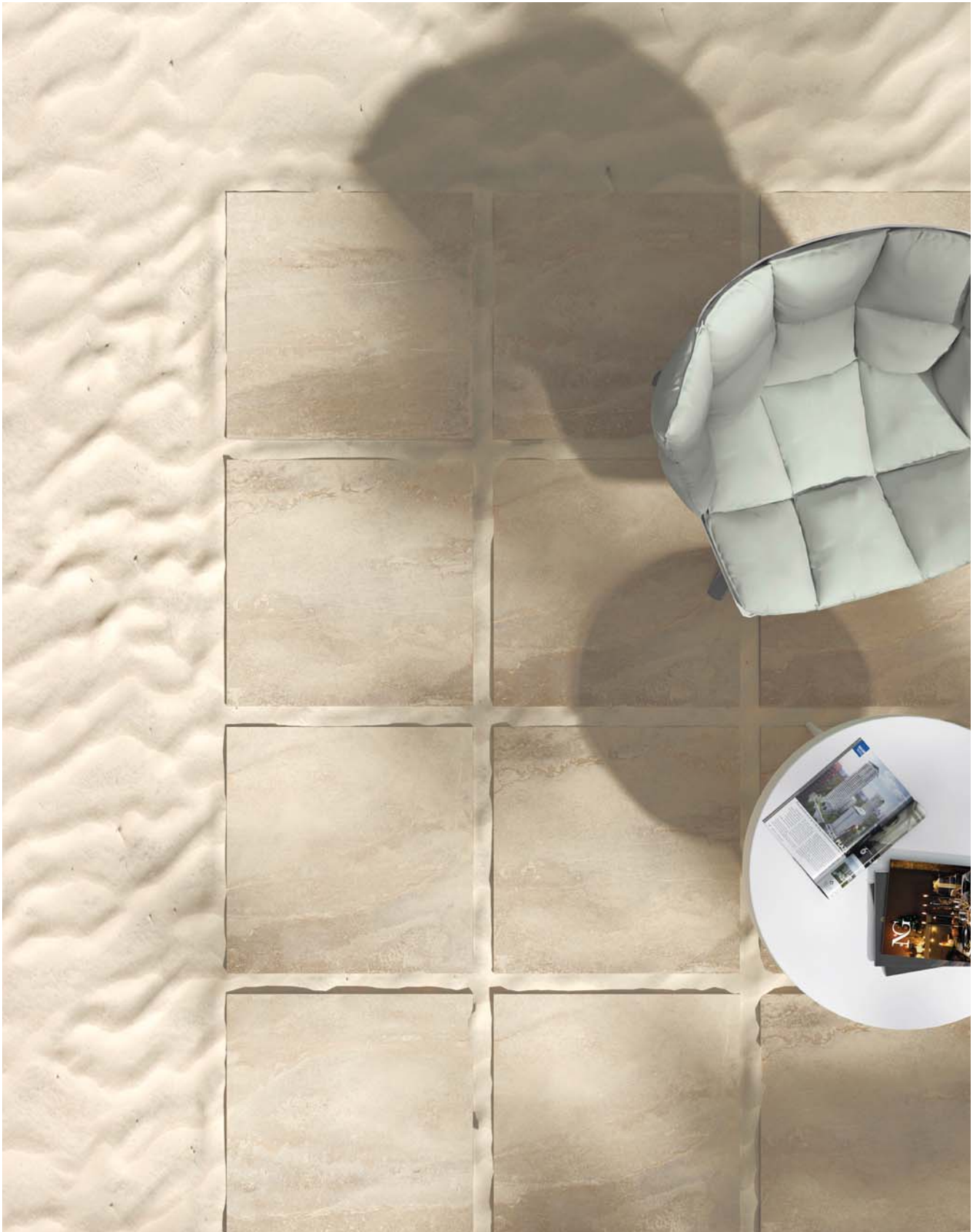
3 Tile Placement

Installation is carried out after defining the desired spacing between the tiles.



4 Finishing

The gaps between the tiles can be filled with sand or left unfilled, depending on preference.







RAISED FLOOR APPLICATION

NG Performa20 provides multiple advantages when installed with pedestal supports positioned at the corners and center. This application method offers an efficient and practical solution for addressing surface irregularities and subsidence issues.



1 Surface Preparation

Tiles can be installed directly onto concrete screed or existing ceramic surfaces by utilizing supports of appropriate height, eliminating the need for additional leveling processes.



2 Tile Specifications

The 20 mm tiles are rectified and manufactured with dimensional tolerances of ± 0.5 mm.



3 Installation

In addition to supports placed at the tile corners, it is recommended to use an additional support at the center of each tile in areas with heavy pedestrian and load traffic. Pedestal systems also allow for the convenient installation of utilities such as water, electrical, and lighting systems beneath the surface.



4 Level Adjustment

Adjustable supports enable a perfectly even installation on uneven surfaces. In case of any issues after installation, tiles can be easily removed and replaced.

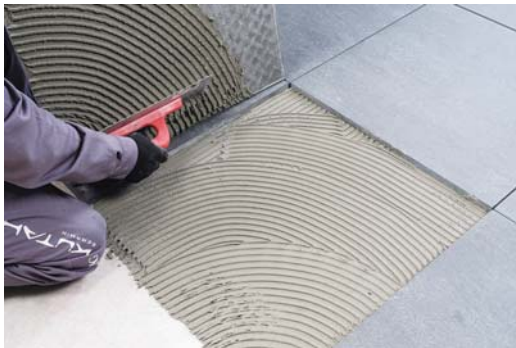






MORTAR INSTALLATION

NG Performa20 can be applied using the traditional adhesive method in areas with heavy pedestrian and load traffic. Its durable structure makes it an ideal solution for public spaces and industrial facilities.



1 Preparation of Adhesive Mortar

The adhesive mortar should be prepared prior to tile installation. Cement-based, high-performance, and highly flexible adhesive mortars are recommended.



2 Application of Adhesive Mortar

The adhesive should be applied both to the substrate and the back of the tile. After application, a minimum of 24 hours should be allowed for curing before proceeding with grouting.



3 Grouting Application

A minimum joint width of 5 mm is recommended. For soft substrates, the joint width should be increased to at least 10 mm. In areas with heavy pedestrian and load traffic, the use of KYK MegaFuga Flex grout is recommended.



4 Finishing

Grout residues should be completely cleaned from the tile surface before they dry. Recommended cleaning agents should be used, and the surface should be thoroughly rinsed with water.









An aerial photograph of the Istanbul Airport terminal and tarmac at sunset. The terminal building is illuminated from within, and several aircraft are parked at gates. The sky is a mix of orange, yellow, and blue, with a few clouds. The sea is visible in the background.

NG | PERFORMA²⁰

The 120×120 cm Magnum series, manufactured using Full Body and Double Charge technology, has been utilized in **Istanbul Airport**, one of the world's largest airport projects.

NG | KUTAHYA



ngkutahyaseramik.com.tr