KERAMISKE FLISER

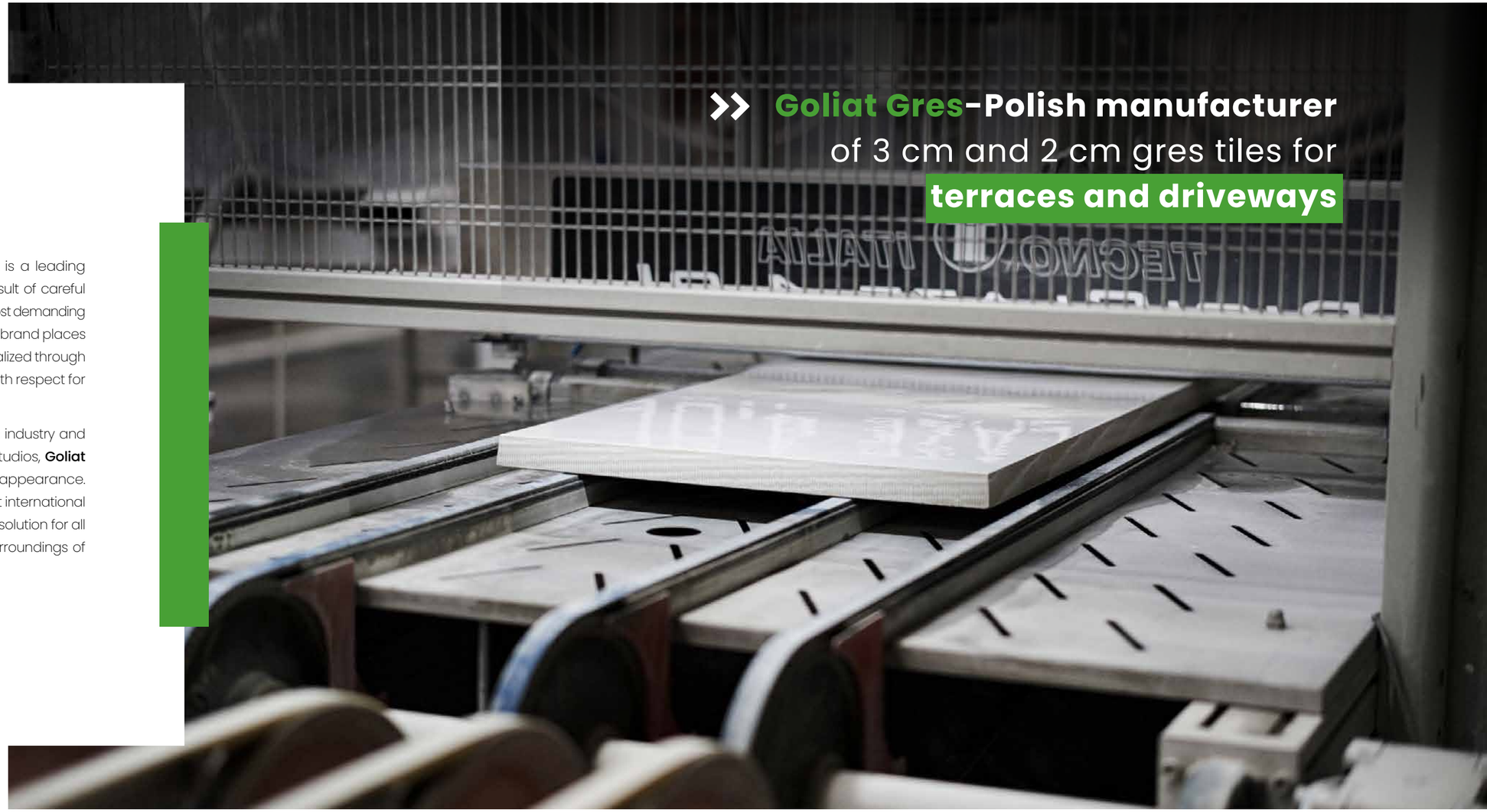
GOLIAT GRES®

3.0
2.0

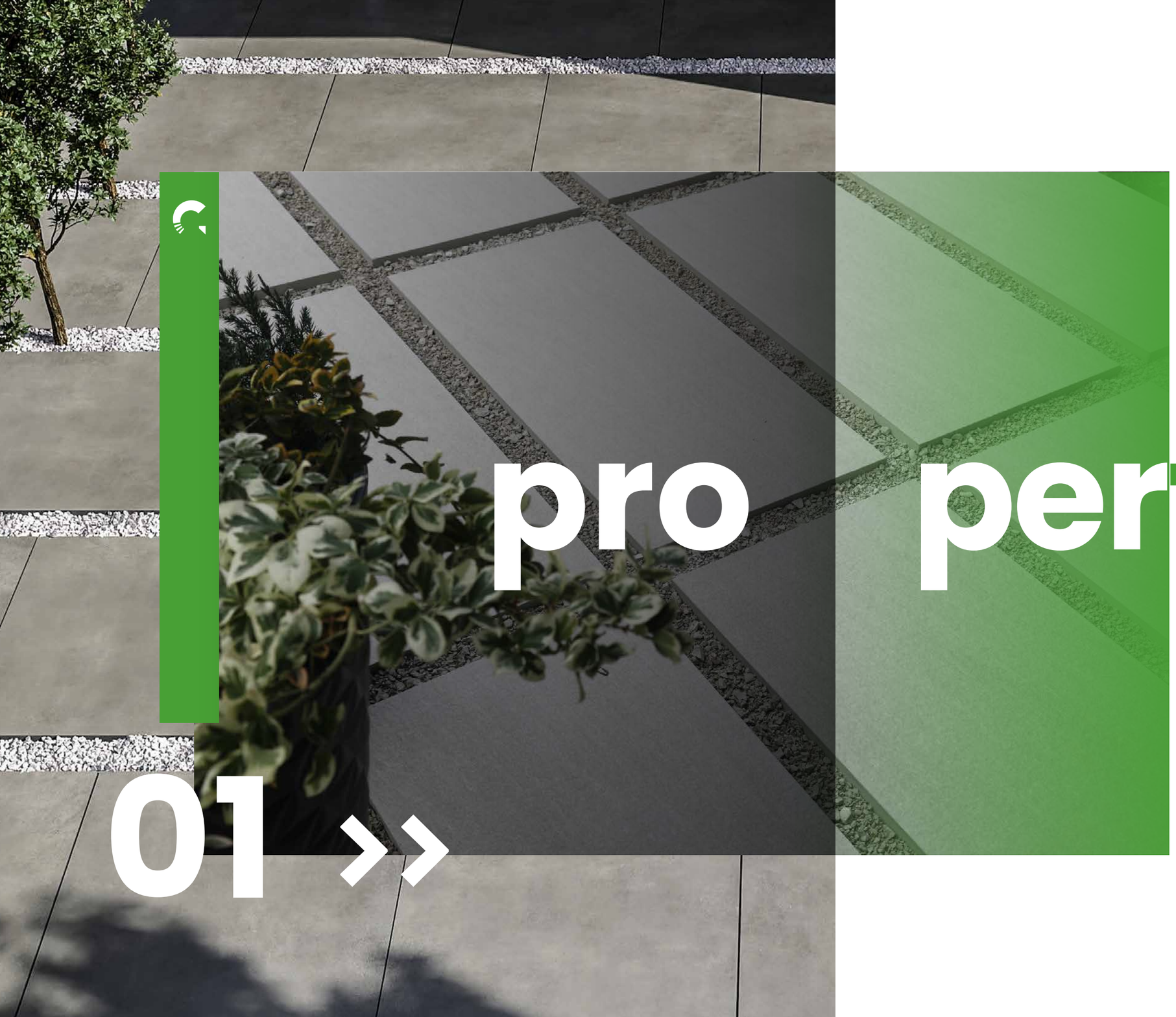
Find your inspiration
in our **3 cm and 2 cm Goliat** gres
porcelain tile series

Owned by the Polish **Końskie Group** since 2021. It is a leading manufacturer of gres porcelain tiles that are the result of careful analysis of market needs and the expectations of the most demanding customers. As part of its production process, the **Goliat** brand places particular emphasis on sustainable development realized through continuous product and technological innovation with respect for the environment.

Thanks to many years of experience in the ceramic industry and close cooperation with the world's best graphic studios, **Goliat** products captivate and delight with their unique appearance. Their design inspired by nature is matched to current international trends. The tiles offered by the brand are the perfect solution for all those who want to create a unique place in the surroundings of their home and beyond.



» Goliat Gres-Polish manufacturer of 3 cm and 2 cm gres tiles for terraces and driveways

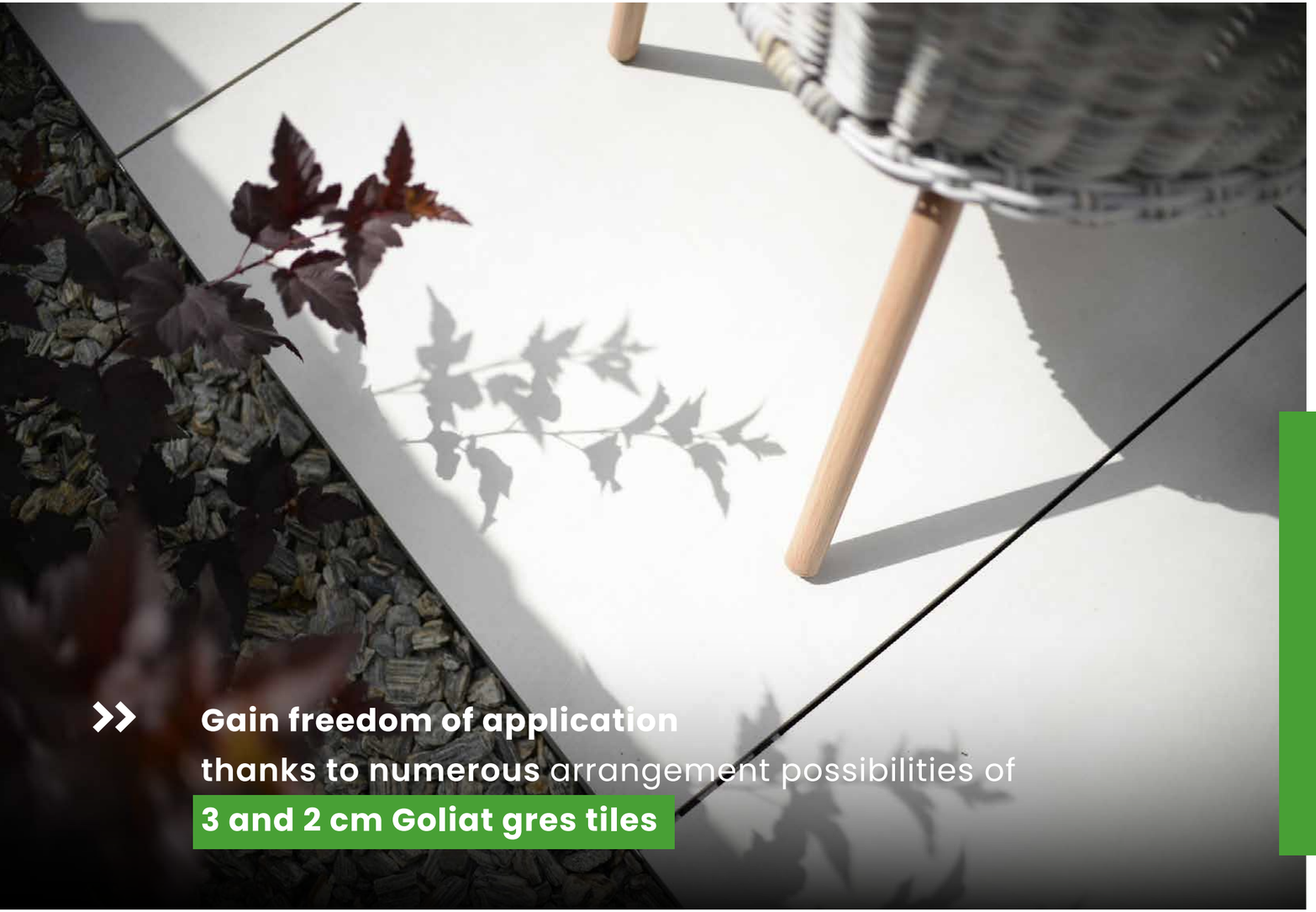


3.0
2.0

properties

01 »

functionality of gres tiles 12
application of 2.0/3.0 tiles 14
2.0/3.0 tile parameters 20
gres tiles vs. paving blocks 26
tile thicknesses and formats 28
tile mounting systems 30
environment 34



Gain freedom of application
thanks to numerous arrangement possibilities of
3 and 2 cm Goliat gres tiles

3.0
2.0

Pavements

Raised floors

Patios/ balconies

Pools

Gardens/ beaches

Squares/ industrial areas

Workshops/ parking lots

Roads for vehicles

Garages/ driveways

3,5

Roads for vehicles < 3,5T

Functionality of **Goliat 3.0 and 2.0** gres tiles

The combination of excellent parameters and modern design makes **Goliat gres tiles** suitable for various locations. The ease of installation makes them an ideal solution for the development of both private and public spaces. Thanks to many properties and aesthetic qualities of **2 cm gres tiles,** we can lay them on sidewalks, balconies, patios, swimming pools and home gardens. The above-average durability of **3 cm gres tiles,** in turn, allows them to be used freely in industrial facilities, workshops and car showrooms, as well as in squares or parking lots. They work equally well on driveways and access roads for vehicles up to 3.5 t.

2.0

Sidewalks
Raised floor
Patios / balconies
Pools
Gardens
Beaches
Squares

Areas of **application** of **2 cm thick Goliat gres tiles**

3.0

Sidewalks
Raised floors
Patios/ balconies
Pools
Gardens/ beaches
Squares/ industrial areas
Workshops/ parking lots
Roads for vehicles
Garages/ driveways
Roads for vehicles < 3,5T

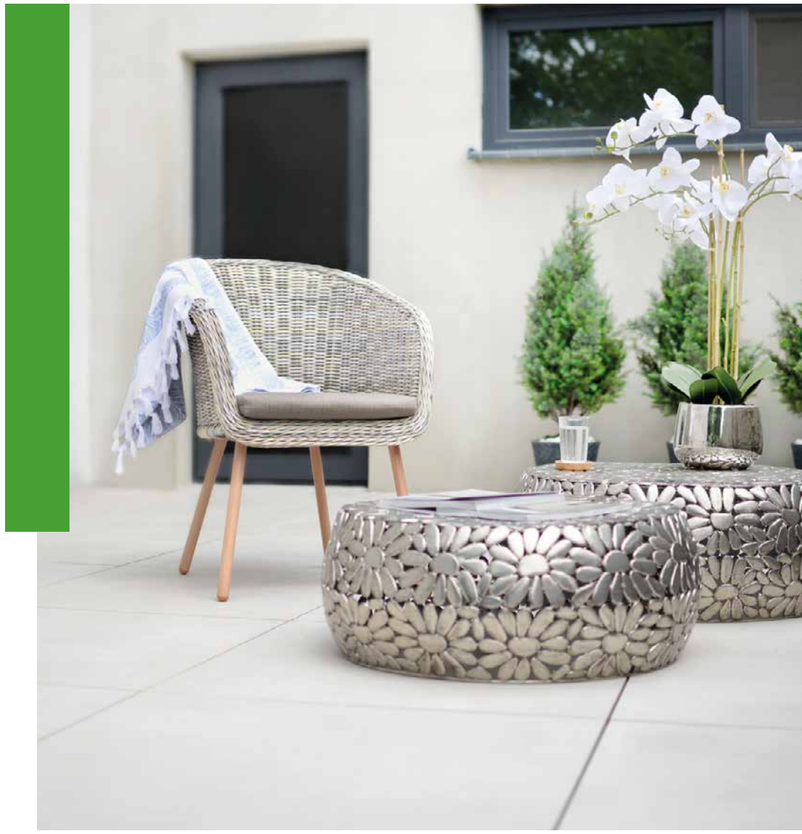
Application of **Goliat gres tiles** manufactured **in 3 cm technology**

Driveways, roads, garages

» **Goliat Gres tiles** - durability and style in any **space**

Private spaces

Public spaces



Places of recreation and leisure

Goliat gres tiles are characterized not only by their unique appearance, but also by their practicality. Their durability, scratch resistance and ease of cleaning make them an excellent finishing material. They can be used both in homes and in public places, or in recreation and leisure spaces, on paths and driveways. This is why gres porcelain tiles are an excellent choice for those looking for a combination of aesthetics, functionality and long-lasting quality.

Application
in domestic space

GOLIAT GRES

In your individual style
while complying with all standards for
safe use

Frost resistance

R11
Anti-slip properties

Resistance to UV radiation and changing weather conditions

Resistance to stains

Low moisture absorption

Resistance to cracking

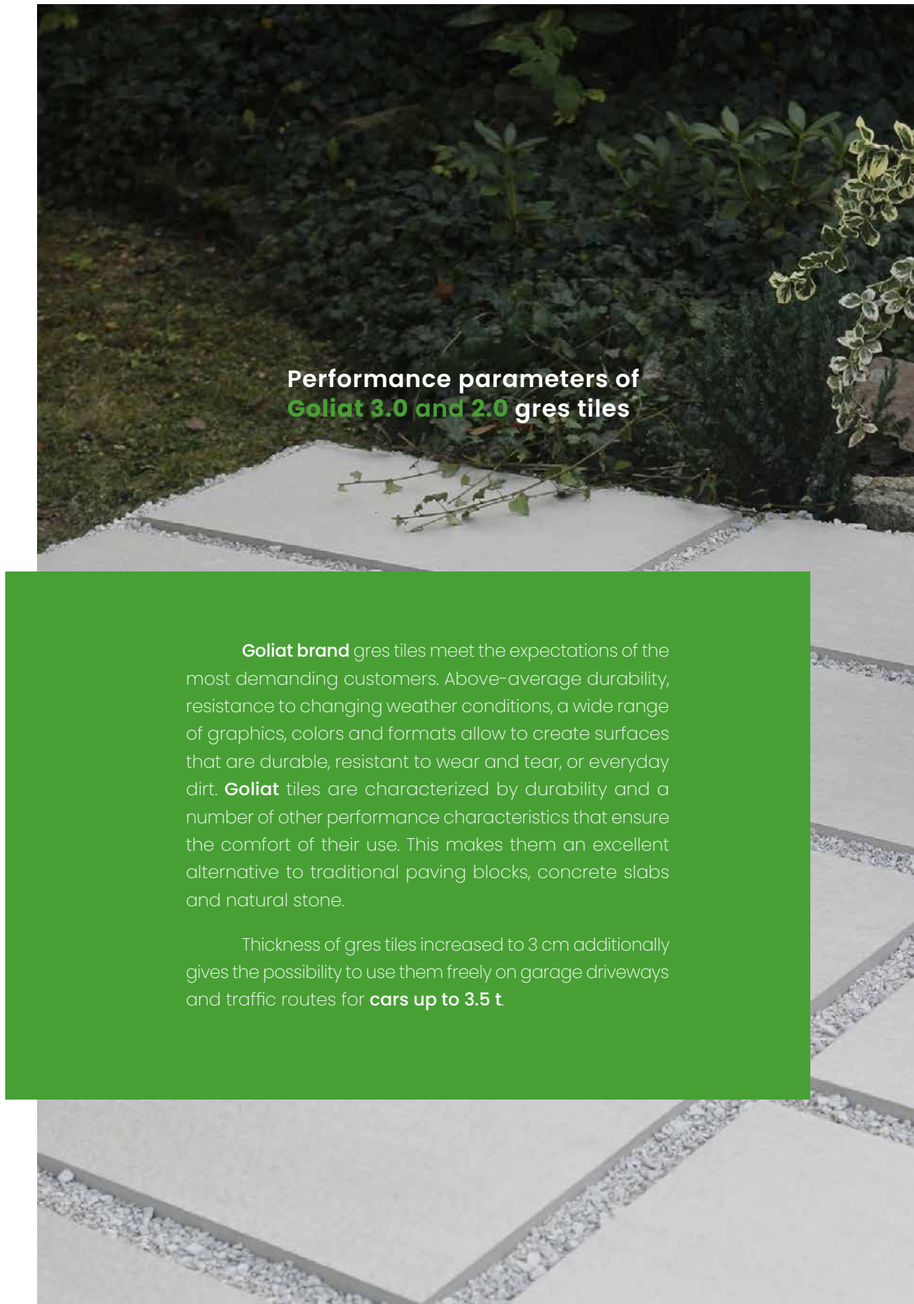
Resistance to scratching

Abrasion resistance

Resistance to chemicals

Thermal resistance

High durability



Performance parameters of Goliat 3.0 and 2.0 gres tiles

Goliat brand gres tiles meet the expectations of the most demanding customers. Above-average durability, resistance to changing weather conditions, a wide range of graphics, colors and formats allow to create surfaces that are durable, resistant to wear and tear, or everyday dirt. **Goliat** tiles are characterized by durability and a number of other performance characteristics that ensure the comfort of their use. This makes them an excellent alternative to traditional paving blocks, concrete slabs and natural stone.

Thickness of gres tiles increased to 3 cm additionally gives the possibility to use them freely on garage driveways and traffic routes for **cars up to 3.5 t**.

Invite **design** into your surroundings and
arrange your dream space
through the eyes of your imagination

Appearance inspired by nature

Goliat brand gres tiles feature an extremely attractive design that combines elegance, durability and a variety of styles. They are available in a wide range of patterns, colors and textures, allowing you to create unique compositions perfectly tailored to any space. They can mimic natural materials such as wood or stone or materials such as concrete, allowing you to get the authentic look of these surfaces without worrying about their vulnerability to damage or difficult maintenance. Their surface can be smooth, matte or textured to create different visual effects and tactile sensations.

The huge variety of gres tiles patterns and colors gives unlimited design possibilities. Together with a wide range of formats, it lets you create unique compositions and designs. When laying gres tiles, you can create minimalist, modern compositions with solid, subdued colors, as well as experiment with contrasts and patterns to give the space a distinct and individual character. **Goliat gres tiles** allow you to express your unique style and create a place that reflects your aesthetic preferences.

Gres tiles
or **paving blocks ?**

gres tiles

VS

paving blocks

Gres tiles and *paving blocks* are two different surface finish options with different properties and applications.
Gres tiles are known for their high durability. They are manufactured from ceramic materials that are resistant to abrasion, impact and adverse weather conditions. This means that the gres tiles are more resistant to damage and have a longer service life compared to *paving blocks*..

Why should you choose **2 and 3 cm gres tiles?**

Durability, ease of cleaning and installation, aesthetics and design are just some of the strengths of gres tiles.
Gres tiles are used both indoors and outdoors. It can be used on terrace floors, driveways and access roads. With **gres tiles,** we are able to make a seamless transition between the outdoor space and the interior of the house while maintaining the same style. *Paving blocks,* on the other hand, are more often associated with the technical aspect and are used exclusively for paving roads, sidewalks and driveways.

The surface of **gres tiles** is smooth and less absorbent, making it easier to keep clean. It can be easily washed with water and standard cleaning products. *Paving blocks,* due to their structure and joints, can require more effort and time to maintain..

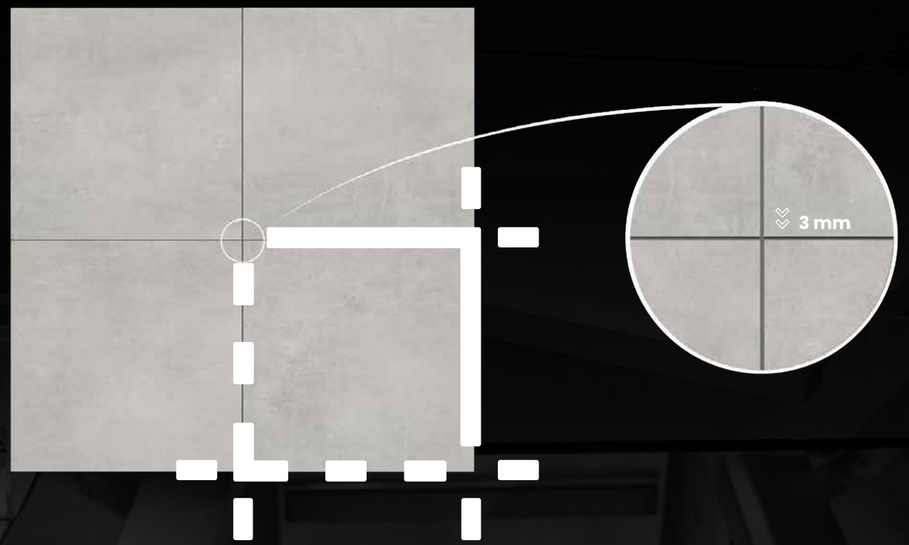
Gres tiles offers a wide range of patterns, colors and textures, allowing for more variety in space design. There are gres tiles imitating various materials, such as wood, stone or concrete. *Paving blocks,* on the other hand, have their own distinctive look that can fit into traditional or rustic settings.

Strenghts of gres tiles:

- Easy to clean
- High durability
- Damage resistance
- Pattern and color fastness
- Wide range of designs
- Aesthetic appearance and freedom of arrangements
- Easy installation and removal

GOLIAT GRES

- **uniform** size
- **aesthetic** finish
- **convenient** installation



Rectified gres tiles

allows to achieve an aesthetically pleasing finish with joint width reduced to as little as **3 mm**.

Formats **and thicknesses**

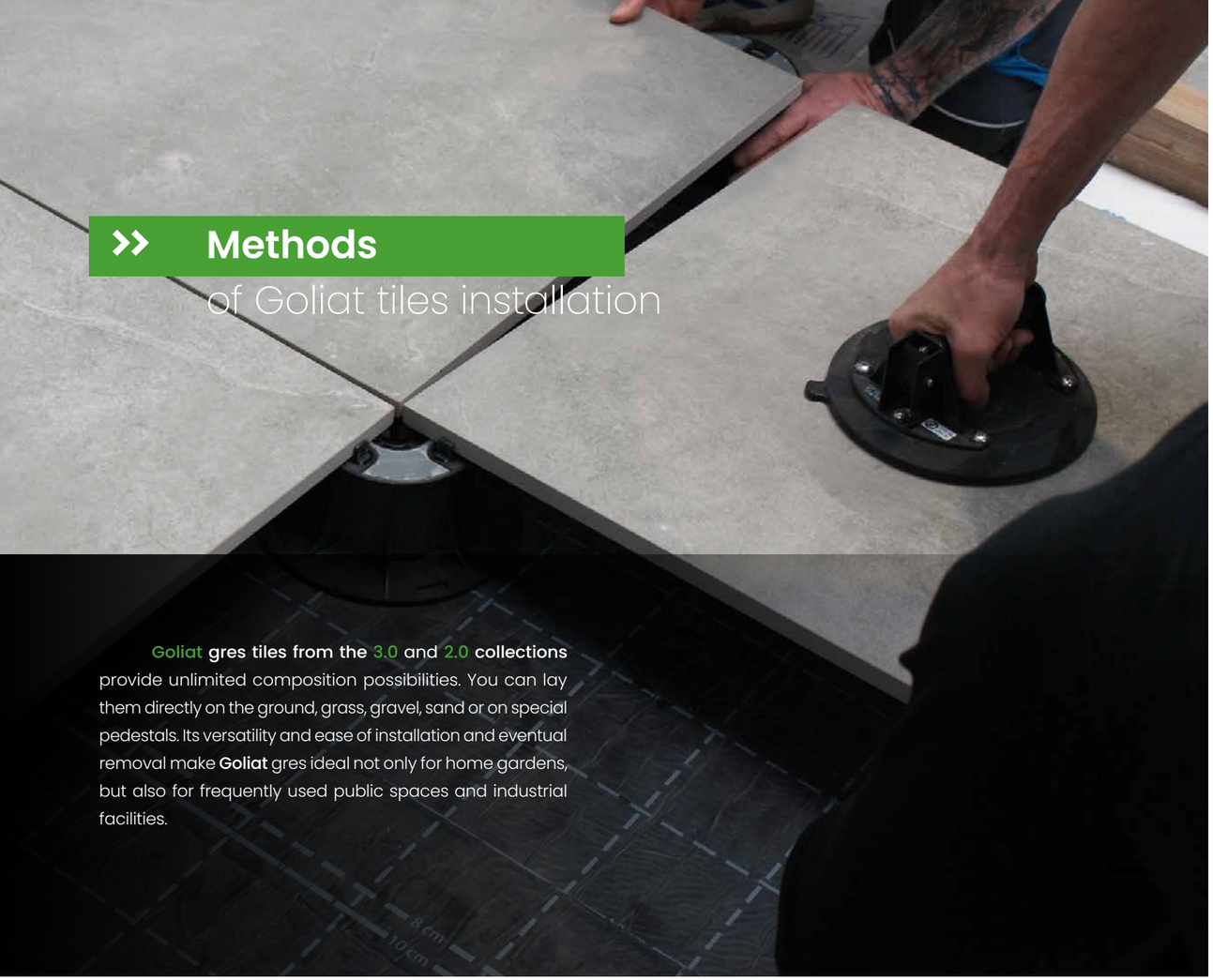
3.0
2.0

2 CM

90x90x2
60x120x2
30x120x2 step tile
45x90x2
60x60x2

3 CM

90x90x3
60x60x3
45x90x3



Methods
of Goliat tiles installation

Goliat gres tiles from the 3.0 and 2.0 collections provide unlimited composition possibilities. You can lay them directly on the ground, grass, gravel, sand or on special pedestals. Its versatility and ease of installation and eventual removal make **Goliat** gres ideal not only for home gardens, but also for frequently used public spaces and industrial facilities.

7 ways to install

01

Raised paving on flat coverings
Raised floor on terraces or balconies

- 2.0 or 3.0 gres tile
- Pedestal (fixed, adjustable or self-levelling)
- Water insulation
- Concrete floor

02

Laying on flat coverings
Sand

- 2.0 or 3.0 gres tile
- Stabilizing layer (sand)
- Drainage layer
- Ground

03

Laying on a grass substrate
Grass

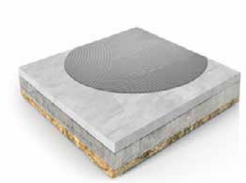
- 2.0 or 3.0 gres tile
- Soil layer with grassy substrate
- Stabilizing layer (gravel)
- Drainage layer
- Ground

04

Laying on a gravel substrate
Gravel

- 2.0 or 3.0 gres tile
- Stabilizing layer (gravel)
- Drainage layer made of aggregate
- Ground

05



Laying on a substructure with the use of adhesive
Substructure

- 2.0 or 3.0 gres tile
- Adhesive layer
- Concrete floor
- Substructure
- Ground

06

Laying on a terrace or a driveway
Water-permeable surface

- 2.0 or 3.0 gres tile
- Bedding layer with a thickness of 3-5 cm after compaction (crushed grit with a grain size of 2-5 mm or washed sand with a grain size of 0-2 mm or 0-4 mm or dry concrete)
- Unbound substructure with a thickness of 20-50 cm with a slope of 1.5-2% (ballast or key aggregate with a grain size of 0-31.5 mm)
- Ground

07

Laying on a terrace or a driveway
Poorly-permeable surface

- 2.0 or 3.0 gres tile
- Bedding layer with a thickness of 3-5 cm after compaction (crushed grit with a grain size of 2-5 mm or washed sand with a grain size of 0-2/0-4 mm or dry concrete)
- A layer of concrete — class min. B10/20-60 cm
- Geotextile
- Unbound substructure with a thickness of 10-20 cm with a slope of 1.5-2% (ballast or key aggregate with a grain size of 0-31.5 mm)
- Ground

* detailed information on laying tiles on pedestals available on **page 108**

More details about the installation systems are available at **www.goliatgres.pl**

laying **on gravel**

laying **on a substructure**

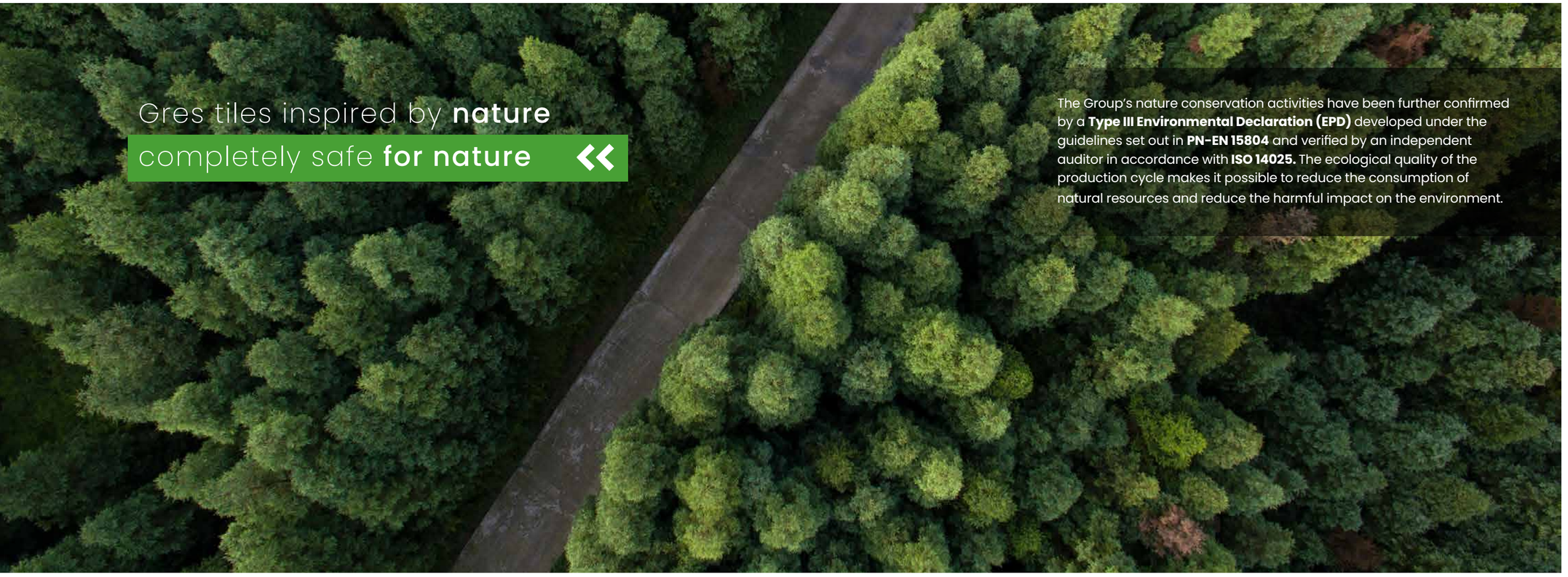
laying **on adhesive**

laying **on grass/sand**

laying **on pedestals**

How to lay 2 and 3 cm gres tiles?

Regardless of the installation method used, there are a few general rules to follow. Make sure that the substrate is properly prepared, stable, leveled and free of dirt. In case of adhesive-based installation, it is important to use a weather-resistant adhesive. In case of ballasted installation, care must be taken to ensure that the ballast layer is properly composed and properly compacted. In case of installation on adjustable pedestals, care should be taken to precisely adjust the height of the pedestals and evenly distribute the load over the entire terrace area.



Gres tiles inspired by **nature**

completely safe **for nature**

The Group's nature conservation activities have been further confirmed by a **Type III Environmental Declaration (EPD)** developed under the guidelines set out in **PN-EN 15804** and verified by an independent auditor in accordance with **ISO 14025.** The ecological quality of the production cycle makes it possible to reduce the consumption of natural resources and reduce the harmful impact on the environment.

For the sake of the **environment,** we shorten the supply chain of raw materials to production facilities as much as possible. With the use of modern production techniques available throughout the industrial process, we minimize air pollutants emissions and reduce electricity consumption. By investing in advanced solutions, we also ensure that we minimize water, energy and packaging consumption, and will reduce greenhouse gas emissions as much as possible.

Low carbon footprint

Certification of the Polish Committee for Standardization (PKN)

Industrial water reuse

Neutral impact on the environment

Natural raw materials

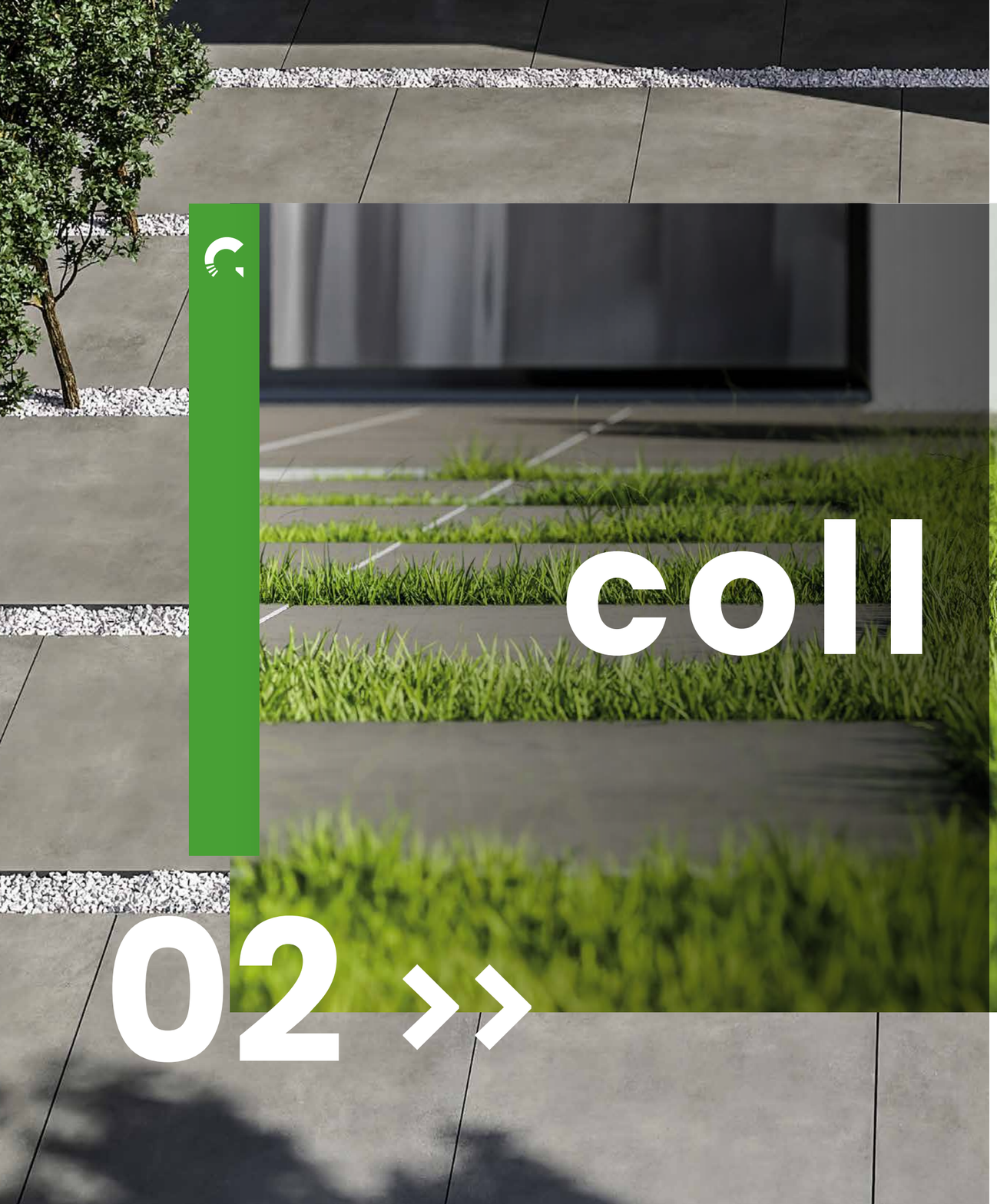
Waste recycling

Low energy consumption

Care for the environment

ISO

ISO certification



3.0
2.0

collections

02 »

cortona new	38
luca new	42
patio	46
toskania	50
marsylia	54
signum 2.0	58
signum 3.0	62
goliat	66
square	70

cortona 2.0 new

60x60x2

inspiration **concrete**

silver • taupe • musk • smoke

cortona 2.0 new

60x60x2

silver • 60x60x2 rectified.

8 graphics

palette of available colors

silver taupe musk smoke

indexes of gres tiles

silver	•	60x60x2	•	5905427711490
taupe	•	60x60x2	•	5905427711476
musk	•	60x60x2	•	5905427711513
smoke	•	60x60x2	•	5905427711537

packaging system

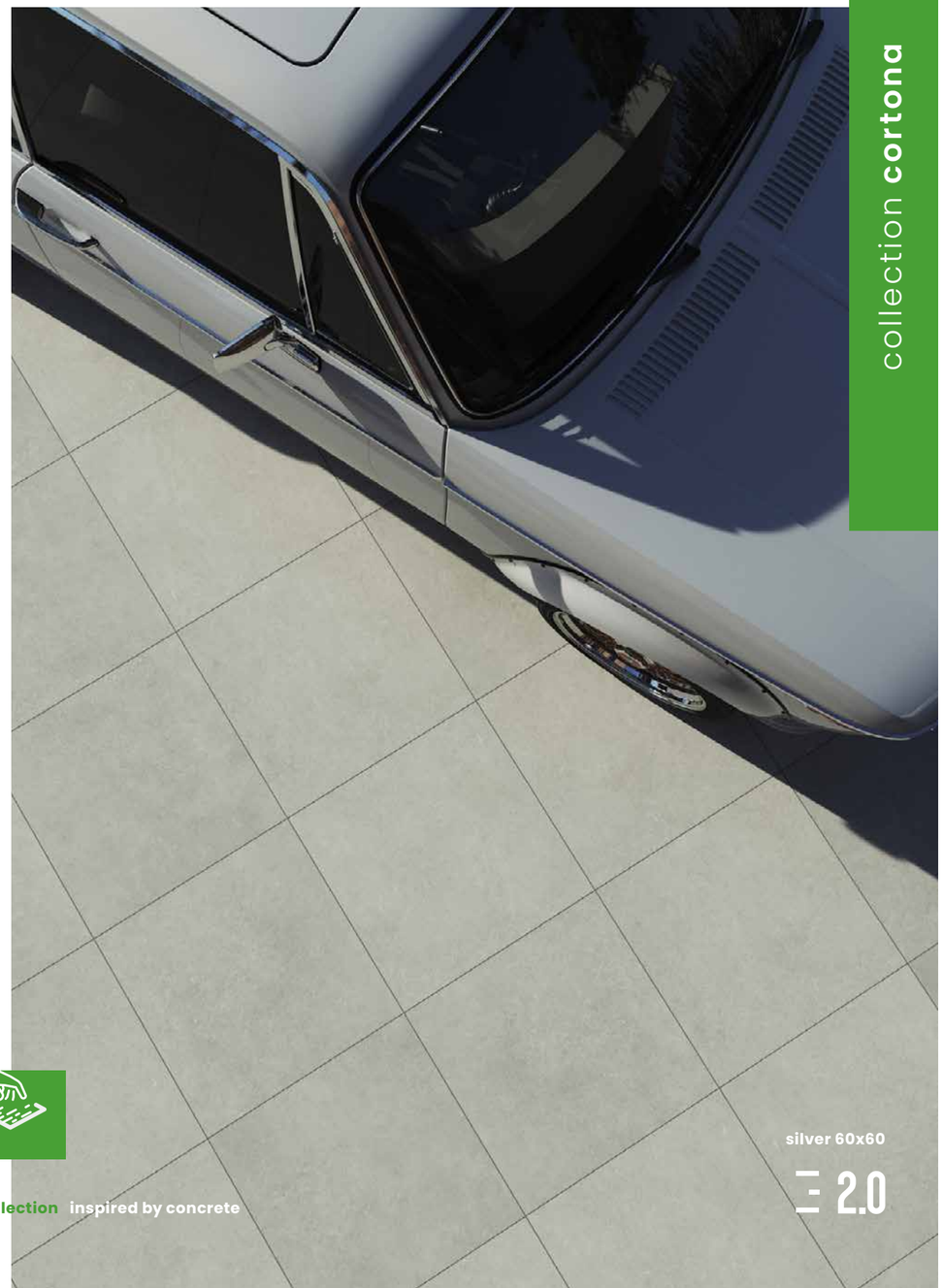
format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

PEI IV R11

collection **cortona**



collection inspired by concrete

silver 60x60

2.0

luca 2.0

new

60x60x2

inspiration **stone**

cream • beige • almond • peak • grove

luca 2.0 new

60x60x2

almond • 60x60x2 rectified

8 graphics

palette of available colors

cream beige almond peak grove

indexes of gres tiles

cream	•	60x60x2	•	5905427711636
beige	•	60x60x2	•	5905427711612
almond	•	60x60x2	•	5905427711551
peak	•	60x60x2	•	5905427711575
grove	•	60x60x2	•	5905427711599

packaging system

format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
thickness 1 cm					
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
thickness 3 cm					
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
thickness 2 cm					
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

PEI IV R11

collection **luca**

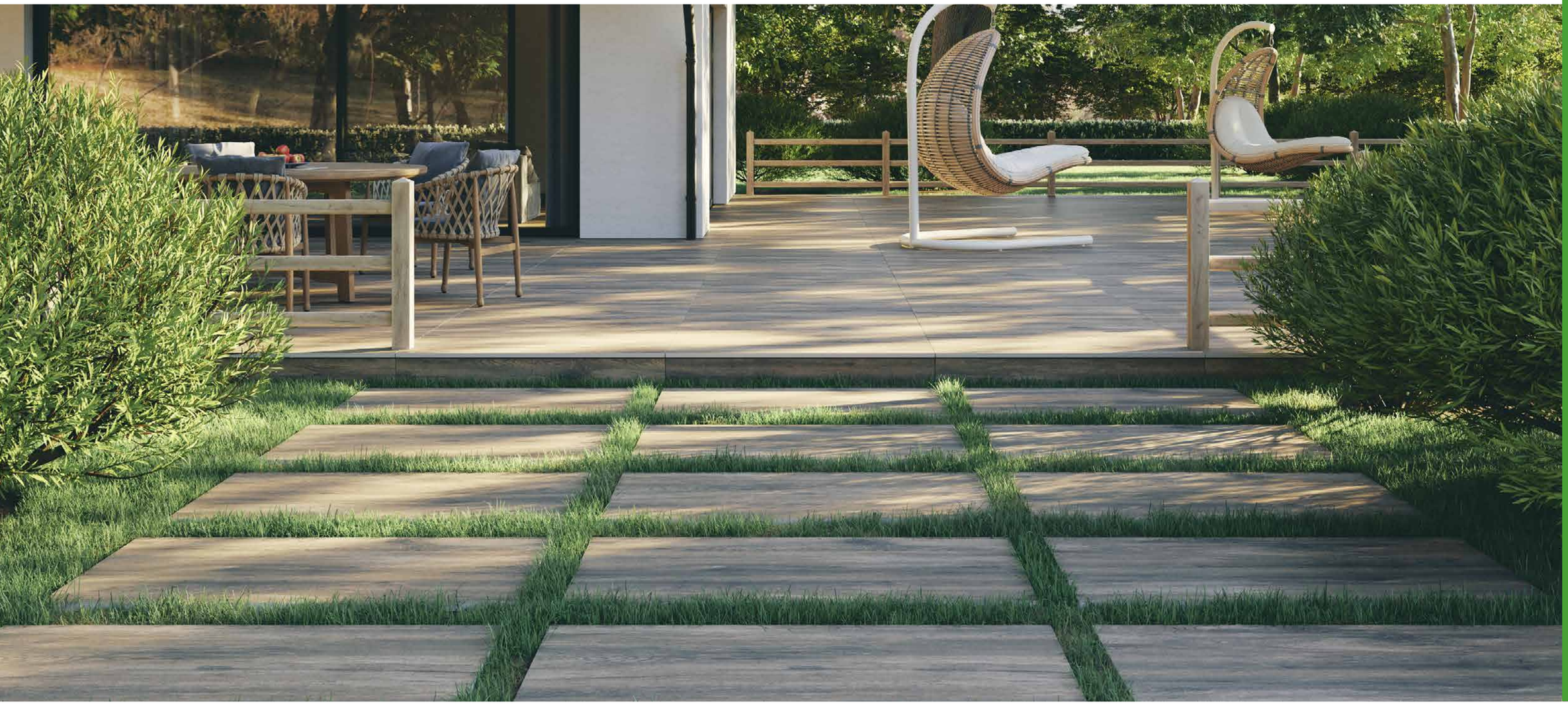
collection inspired by stone

almond 60x60

2.0

patio 2.0

20x120x1 • 45x90x2



inspiration **wood**

grey • oak • ash • black

• selected collection formats also available in 1 cm thickness

patio 2.0

20x120x1 • 45x90x2

oak • 20x120x1 rectified 9 graphics

oak • 45x90x2 rectified 4 graphics

palette of available colors

grey

oak

ash

black

indexes of gres tiles

grey	•	20x120x1	•	5901503228340
		45x90x2	•	5901503225561
oak	•	20x120x1	•	5901503228388
		45x90x2	•	5901503225585
ash	•	20x120x1	•	5901503228326
		45x90x2	•	5901503225547
black	•	20x120x1	•	5901503228364
		45x90x2	•	59011503225523

packaging system

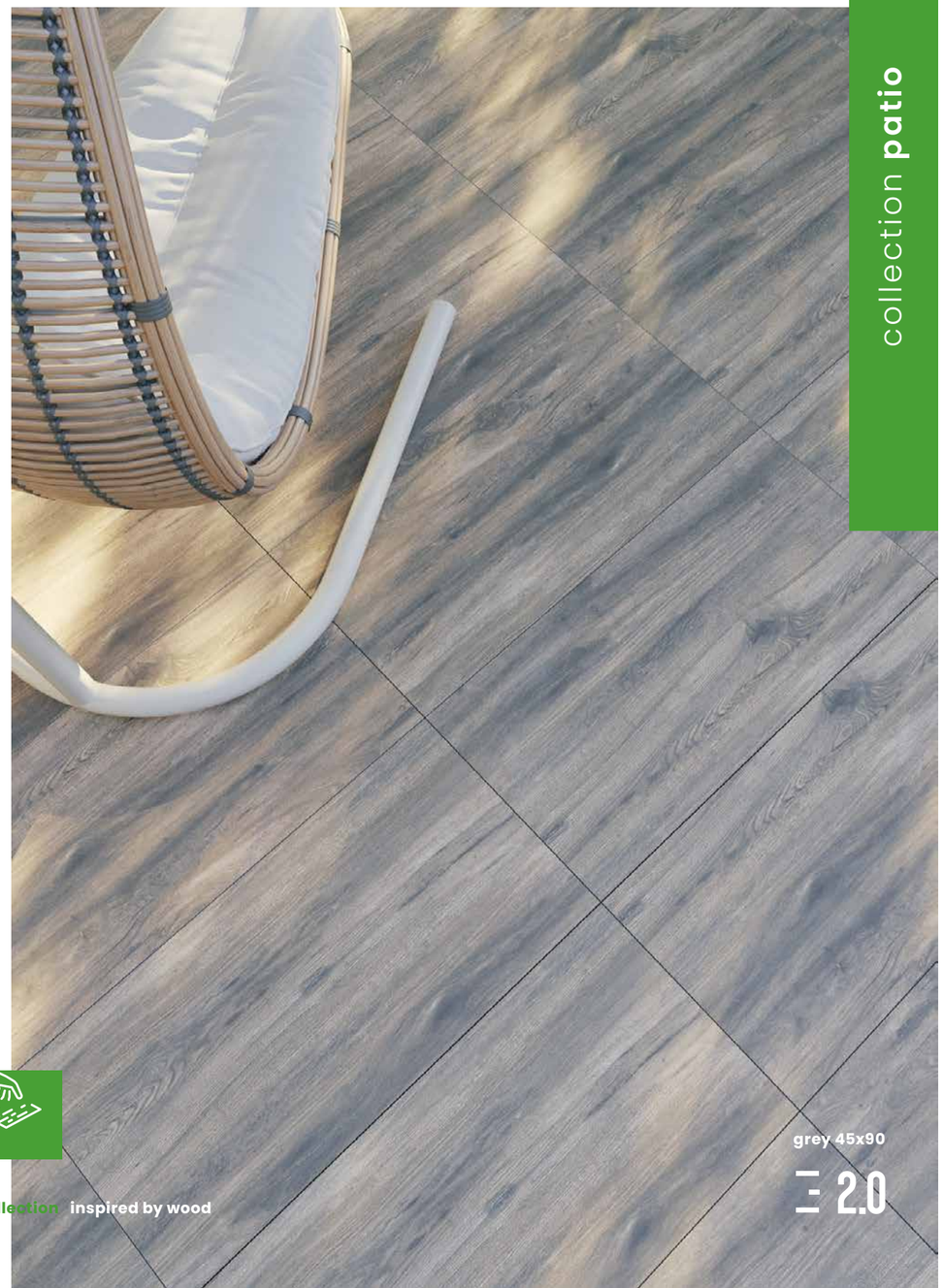
format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

PEI IV R11

collection **patio**



collection inspired by wood

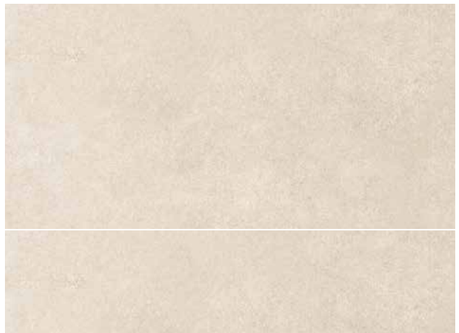
grey 45x90

2.0

toskania 2.0

60x120x2 • 30x120x2 step tile • 60x60x2

toskania • 60x60x2 rectified 6 graphics



toskania • 60x120x2 rectified 3 graphics

toskania • 30x120x2 rectified step tile 7 graphics

palette of available colors

toskania

indexes of gres tiles

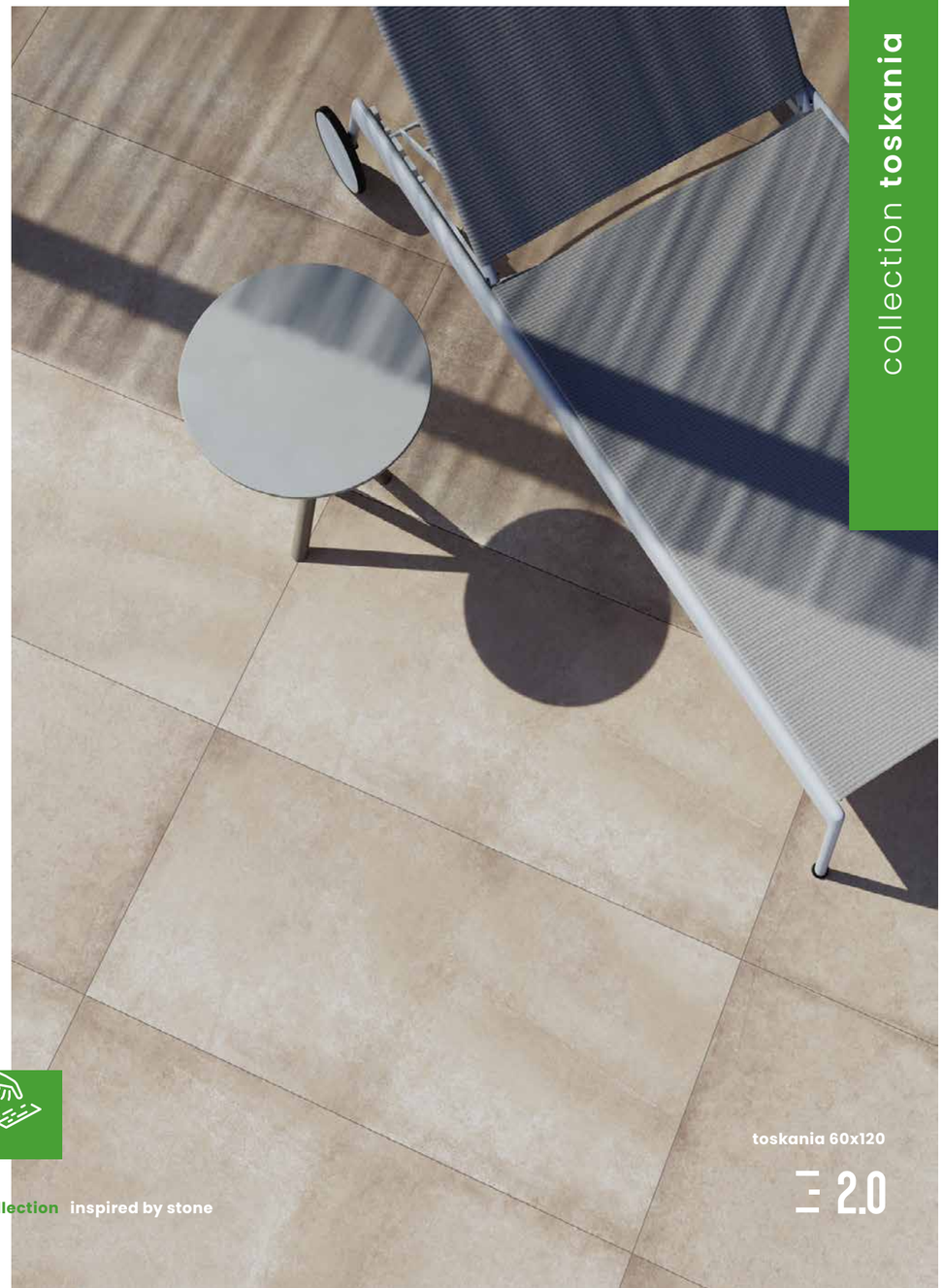
toskania	•	60x120x2	• 9006947032211
		30x120x2 step	• 5905427710363
		60x60x2	• 5901503227527

packaging system

format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**



collection **toskania**

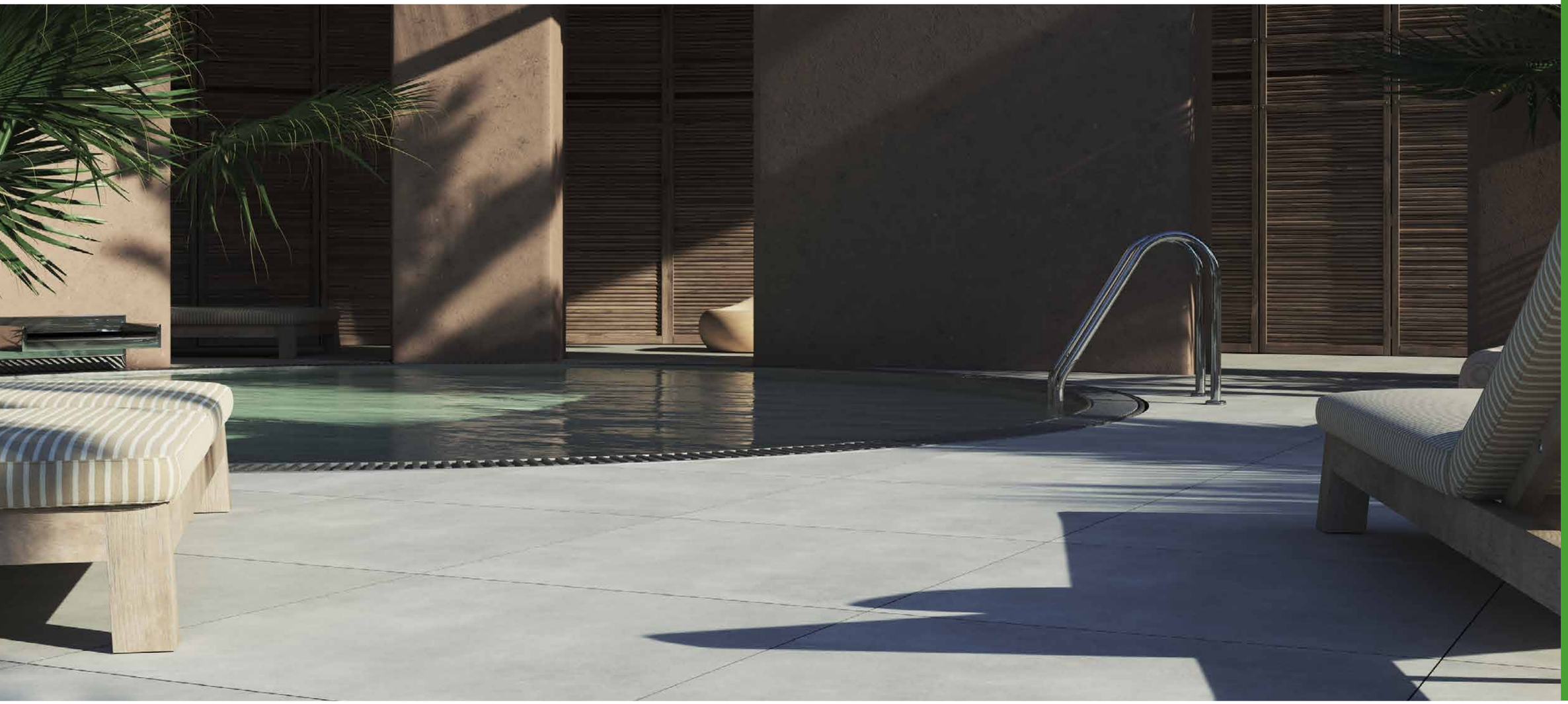
collection inspired by stone

toskania 60x120

2.0

marsylia 3.0 / 2.0

90x90x3 • 90x90x2

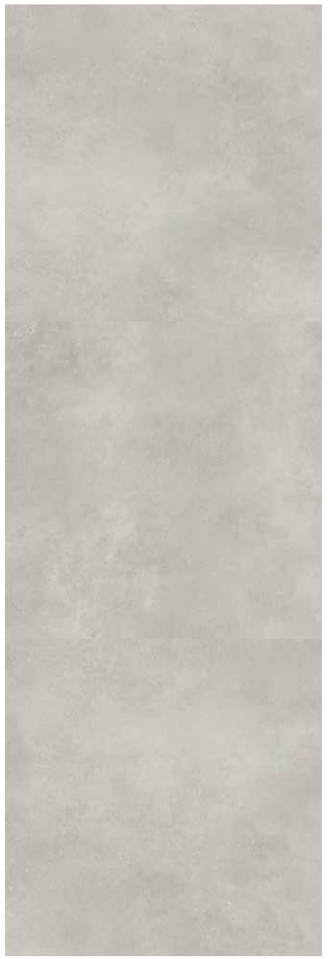


inspiration **concrete**

grey • dark grey

marsylia 3.0 / 2.0

90x90x2 • 90x90x3



grey • 90x90x2 rectified 5 graphics

palette of available colors

grey

dark grey

indexes of gres tiles

grey	•	90x90x3	•	5901503218976
		90x90x2	•	5905427710301
dark gr.	•	90x90x3	•	5901503218990
		90x90x2	•	5905427710288

packaging system

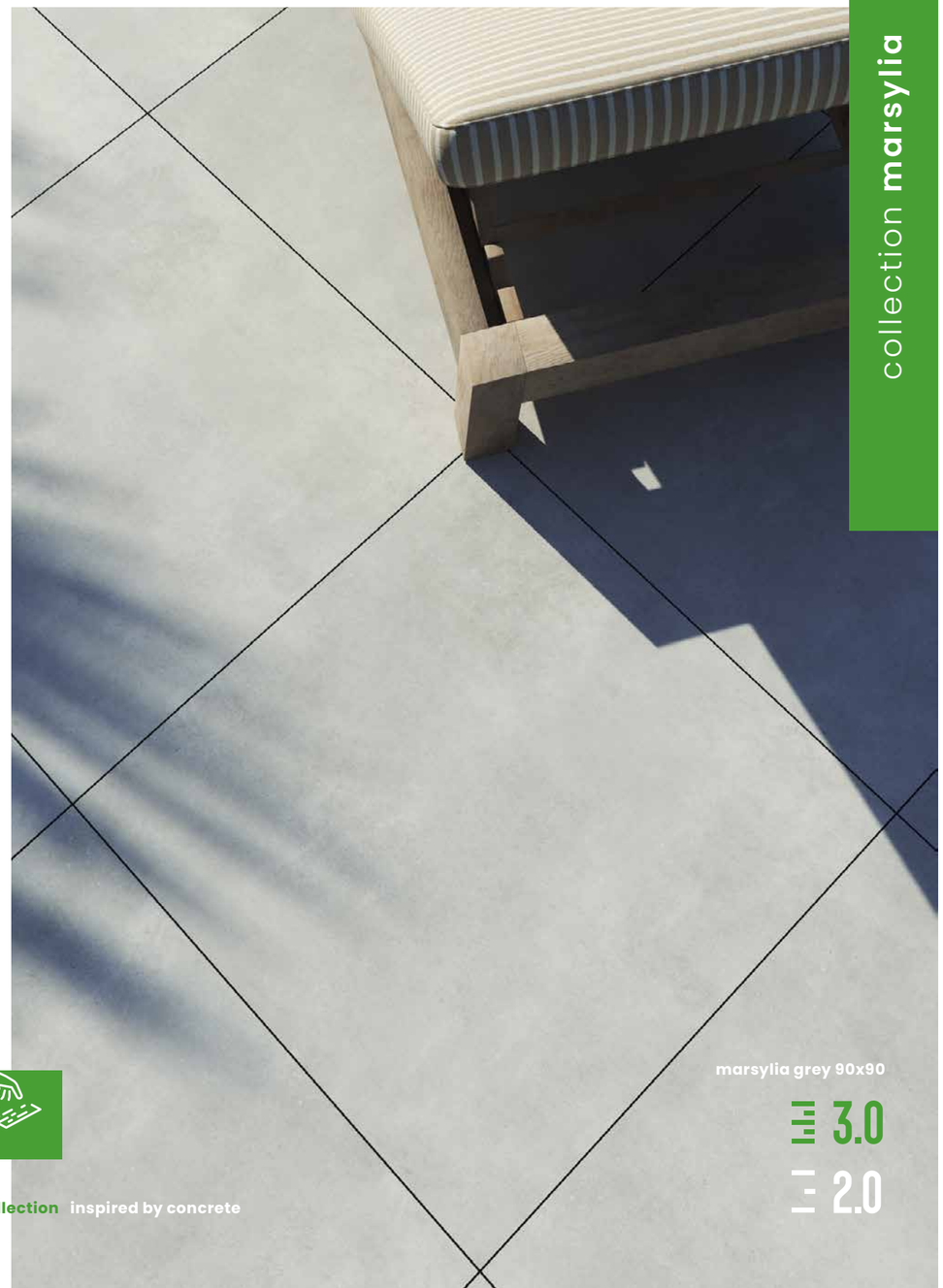
format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
thickness 1 cm					
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
thickness 3 cm					
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
thickness 2 cm					
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

PEI IV R11

collection **marsylia**



marsylia grey 90x90

3.0

2.0

collection inspired by concrete

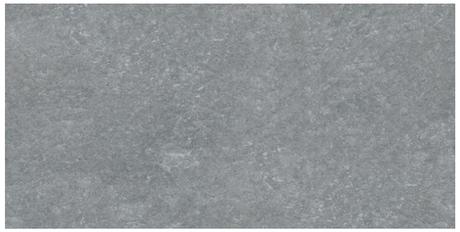
60x120x2 • 30x120x2 step tile • 60x60x2 • 45x90x2

soft grey • beige • grey • antracite

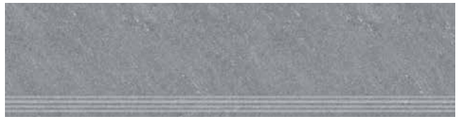
signum 2.0

60x120x2 • 30x120x2 step tile • 60x60x2 • 45x90x2

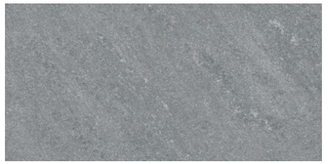
grey • 60x60x2 rectified 15 graphics



grey • 60x120x2 rectified 9 graphics



grey • 30x120x2 rectified step tile 9 graphics



grey • 45x90x2 rectified 7 graphics

palette of available colors

soft grey

beige

grey

antracite

indexes of gres tiles

s.grey	60x120x2	5901503211496
	30x120x2 step	5902706502961
	60x60x2	5901503207635
	45x90x2	5901503221570
beige	60x120x2	5901503211489
	30x120x2 step	5902706502947
	60x60x2	5901503207642
	45x90x2	5901503221556
grey	60x120x2	5901503211533
	30x120x2 step	5902706502954
	60x60x2	5901503207659
	45x90x2	5901503221563
antr.	60x120x2	5901503211748
	30x120x2 step	5902706502930
	60x60x2	5901503207666
	45x90x2	5901503221549

packaging system

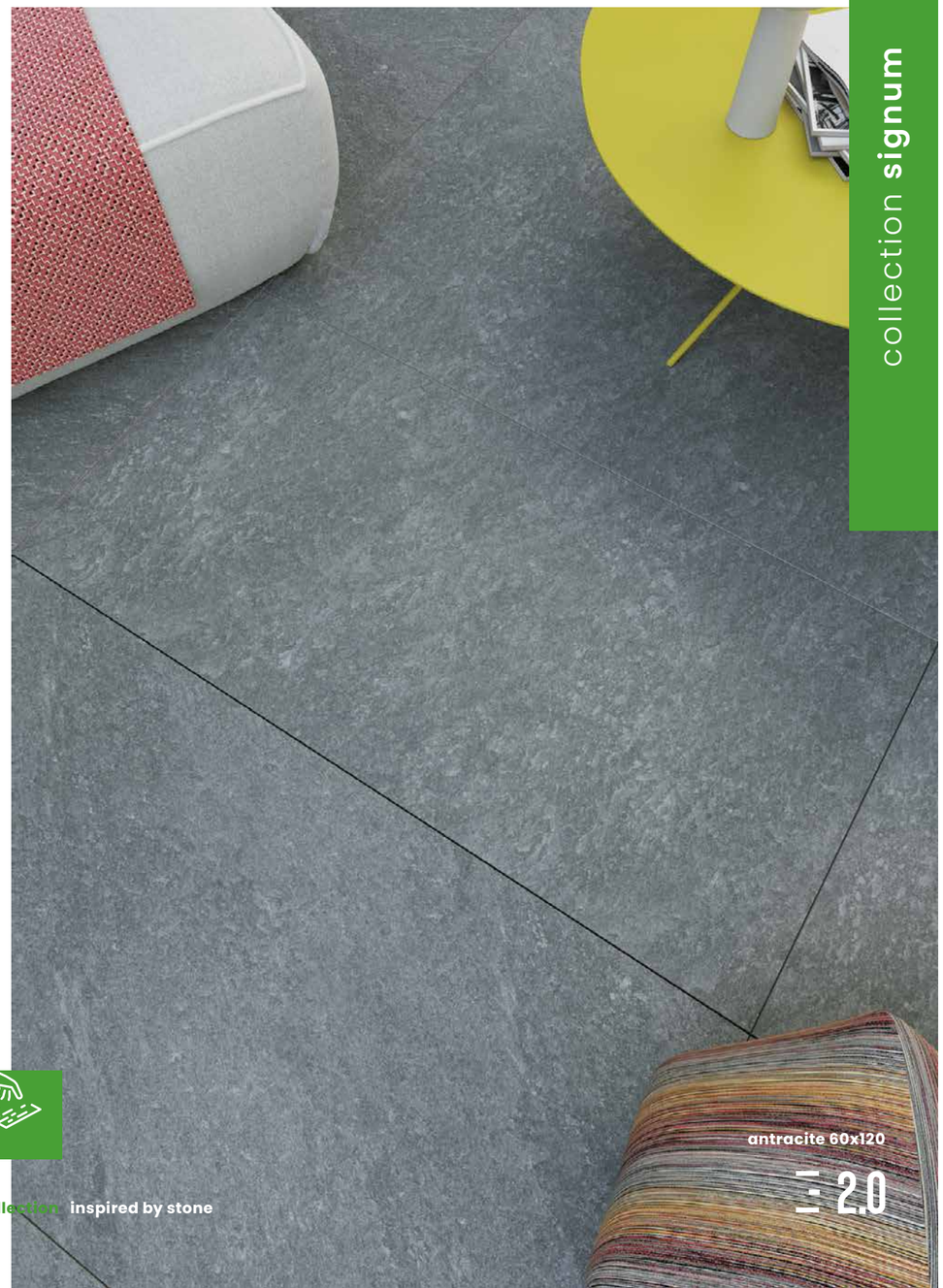
format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

PEI IV R11

collection **signum**



collection inspired by stone

antracite 60x120

2.0

45x90x3

soft grey • beige • grey • antracite

signum 3.0

45x90x3

soft grey • 45x90x3 rectified 7 graphics

palette of available colors

soft grey beige grey antracite

indexes of gres tiles

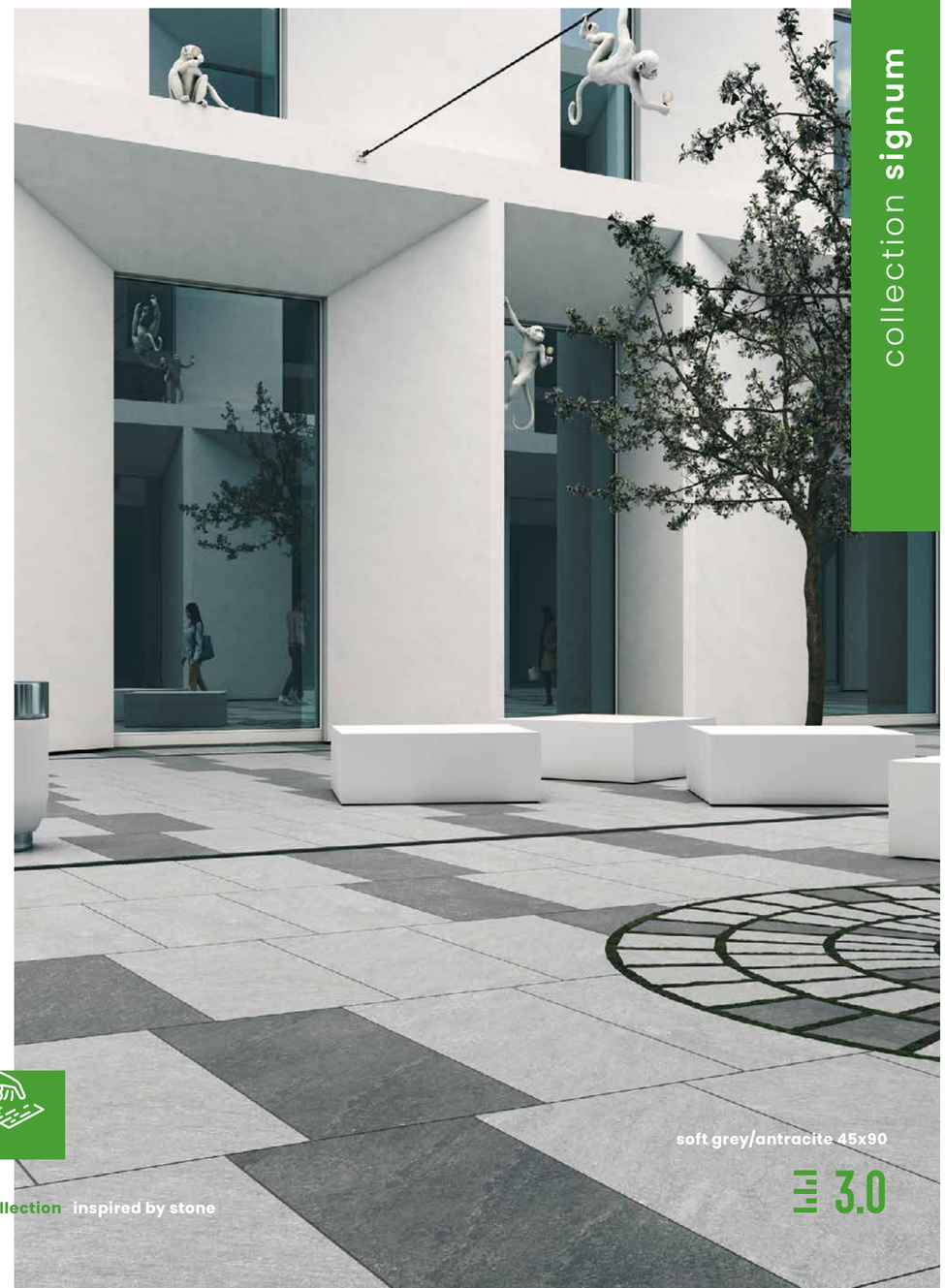
soft grey	•	45x90x3	•	5901503210222
beige	•	45x90x3	•	5901503210215
grey	•	45x90x3	•	5901503210239
antr.	•	45x90x3	•	5901503210246

packaging system

format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**



collection **signum**

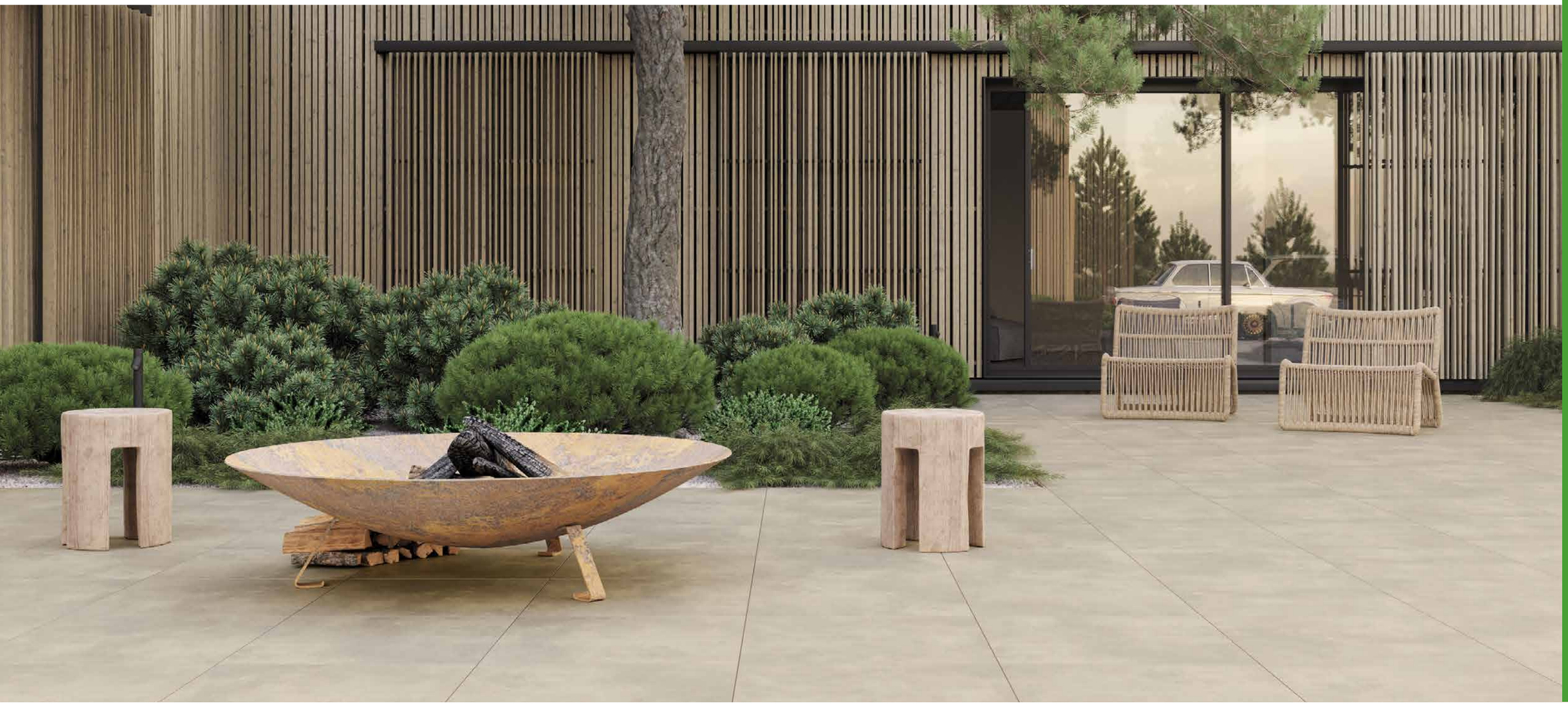
soft grey/antracite 45x90

3.0

collection inspired by stone

goliat 2.0

90x90x2 • 60x120x2 • 60x120x1 • 30x120x2 step tile • 60x60x2 • 60x60x0,8



inspiration **concrete**

white • taupe • soft grey

goliat 2.0

90x90x2 • 60x120x2 • 60x120x1 • 30x120x2 step tile • 60x60x2 • 60x60x0,8

white • 60x60x2/60x60x0,8 rectified 6 graphics

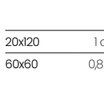
white • 60x120x2/60x120x1 rectified 6 graphics

white • 30x120x2 rectified step tile 7 graphics

white • 90x90x2 rectified 7 graphics

* optional custom accessories available on **page 110**

palette of available colors



white

taupe

soft grey

indexes of gres tiles

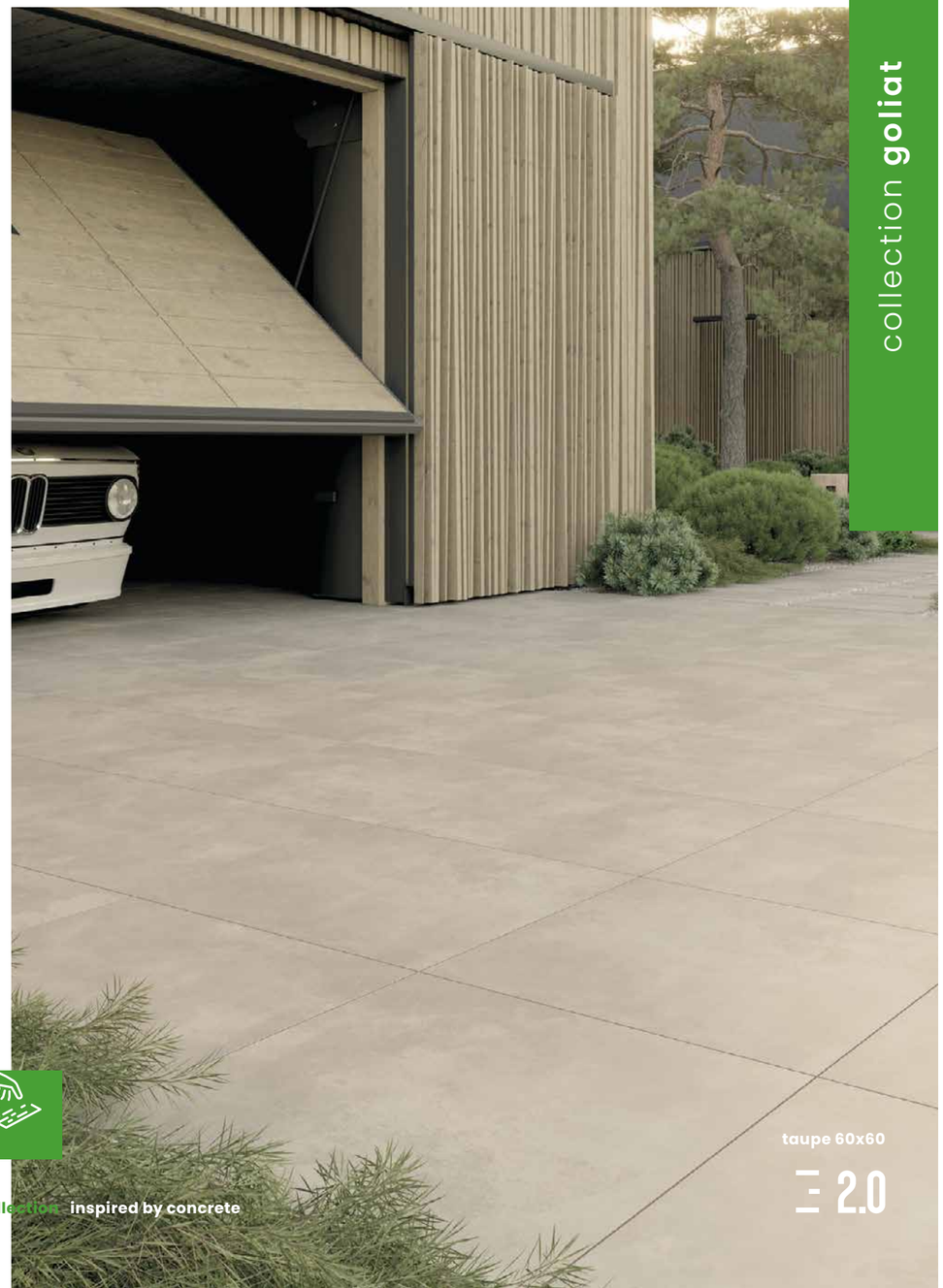
white	60x60x2	•	5901503225752
	60x60x0,8	•	5901503227367
	90x90x2	•	5905427710400
	60x120x2	•	5901503225738
	60x120x1	•	5901503227428
	30x120x2 step	•	5901503227497
taupe	60x60x2	•	5901503221167
	60x60x0,8	•	5901503227381
	60x120x2	•	5905427710530
	60x120x1	•	5901503227442
s.grey	60x60x2	•	5901503221150
	60x60x0,8	•	5901503227404
	60x120x2	•	5905427710387
	60x120x1	•	5901503227466
	30x120x2 step	•	5901503227480

* detailed technical parameters available on **page 105**

packaging system

format cm	thk	pcs/box	m²/box	kg/box	pcs/pallet
thickness 1 cm					
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
thickness 3 cm					
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
thickness 2 cm					
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

PEI IV R11



collection **goliat**

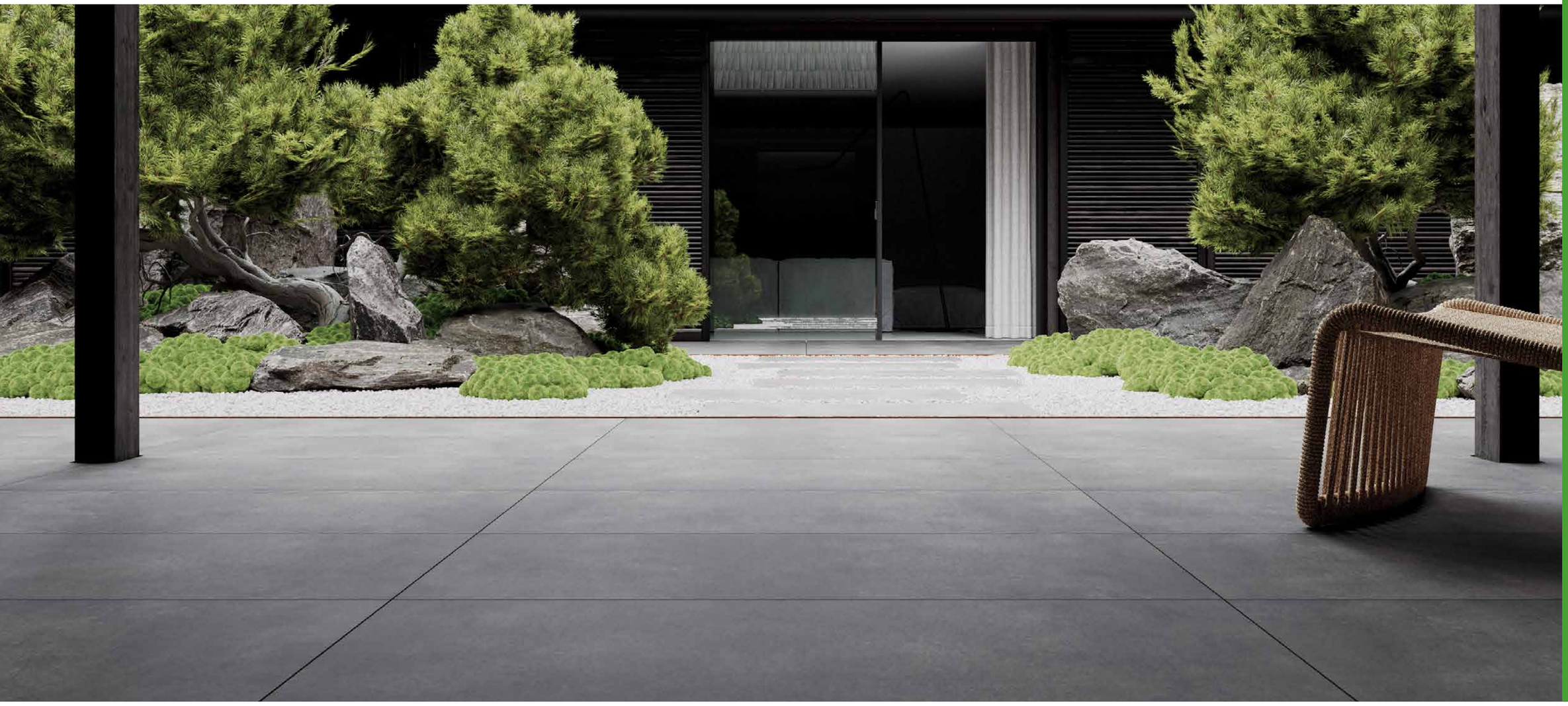
taupe 60x60

2.0

collection inspired by concrete

square 3.0 / 2.0

60x120x2 • 30x120x2 step tile • 60x60x3 • 60x60x2



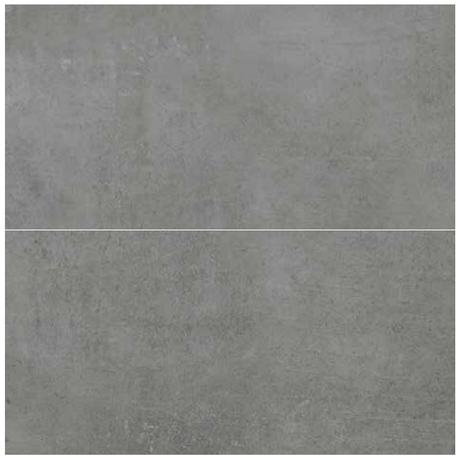
inspiration **stone**

grey • antracite

square 3.0 / 2.0

60x120x2 • 30x120x2 step tile • 60x60x3 • 60x60x2

antracite • 60x60x2 rectified 6 graphics



antracite • 60x120x2 rectified 6 graphics

antracite • 30x120x2 rectified step tile 7 graphics

palette of available colors

grey mat

antracite mat

indexes of gres tiles

grey	•	60x60x3	•	5901503212059
		60x60x2	•	5901503207680
		60x120x2	•	5905427710349
		30x120x2 step	•	5901503227503
antr.	•	60x60x3	•	5901503212066
		60x60x2	•	5901503207673
		60x120x2	•	5905427710325
		30x120x2 step	•	5901503227510

* selected colours of the collection are also available in 1 cm thickness

packaging system

format cm	thk.	pcs/box	m²/box	kg/box	pcs/pallet
		thickness 1 cm			
20x120	1 cm	5	1,20	26	45
60x60	0,8 cm	5	1,80	30	30
		thickness 3 cm			
90x90	3 cm	1	0,81	56	20
45x90	3 cm	1	0,41	28	32
60x60	3 cm	1	0,36	25	40
		thickness 2 cm			
90x90	2 cm	1	0,81	35,2	30
60x120	2 cm	1	0,72	32	32
30x120	2 cm	1	0,36	16	50
45x90	2 cm	2	0,81	37	24
60x60	2 cm	2	0,72	31	30

* detailed technical parameters available on **page 105**

* optional custom accessories available on **page 110**

collection **square**

antracite 60x120

3.0

2.0

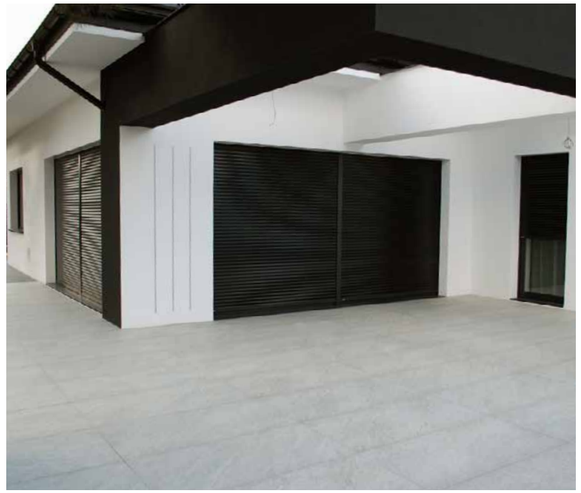
collection **inspired by stone**

inspir ations

03 »

arrangement #1	76
arrangement #2	78
arrangement #3	80
arrangement #4	82
arrangement #5	84
arrangement #6	86
arrangement #7	88
arrangement #8	90
arrangement #9	92
arrangement #10	94

Arrangement #1



signum soft grey 60x120x2

signum antracite 60x120x2

signum 3.0/2.0 collection

Works completed: terrace, sidewalk, driveway

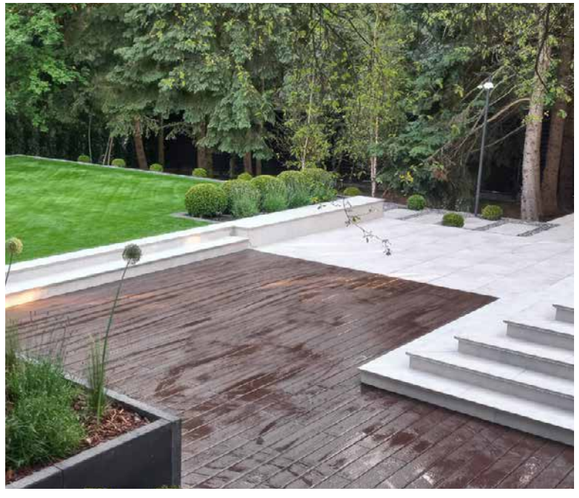
Collections used: signum soft grey, signum antracite 60x120x2

Type of tiles used: sidewalk 2 cm, driveway 3 cm

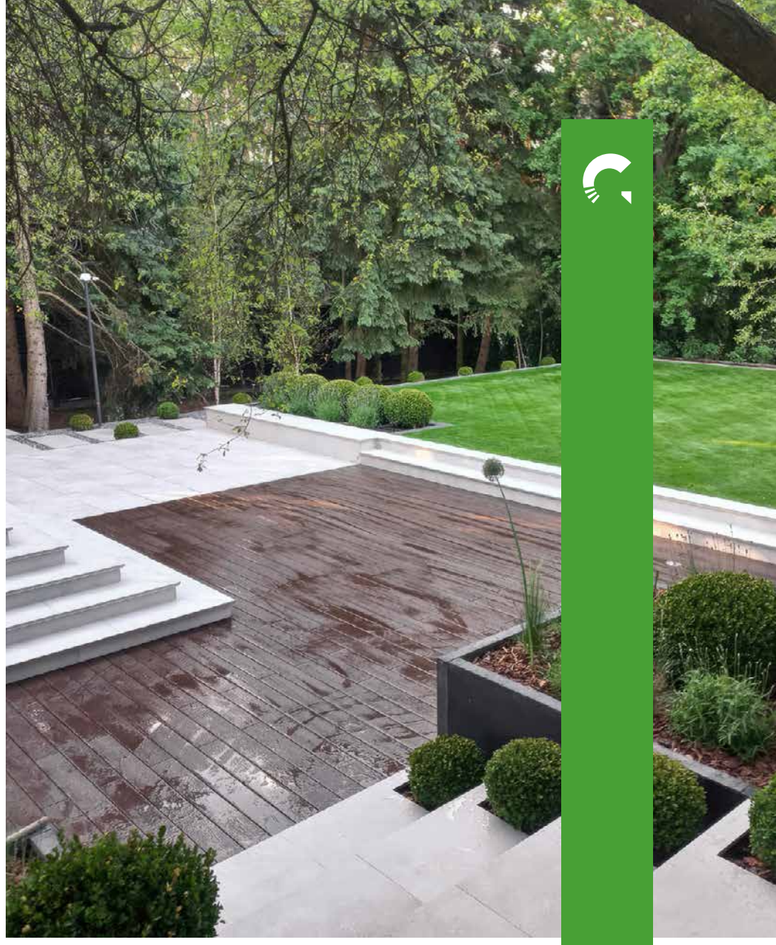
Laying method: pedestals, on sand

Arrangement #2

= 2.0



goliat white 60x60x2



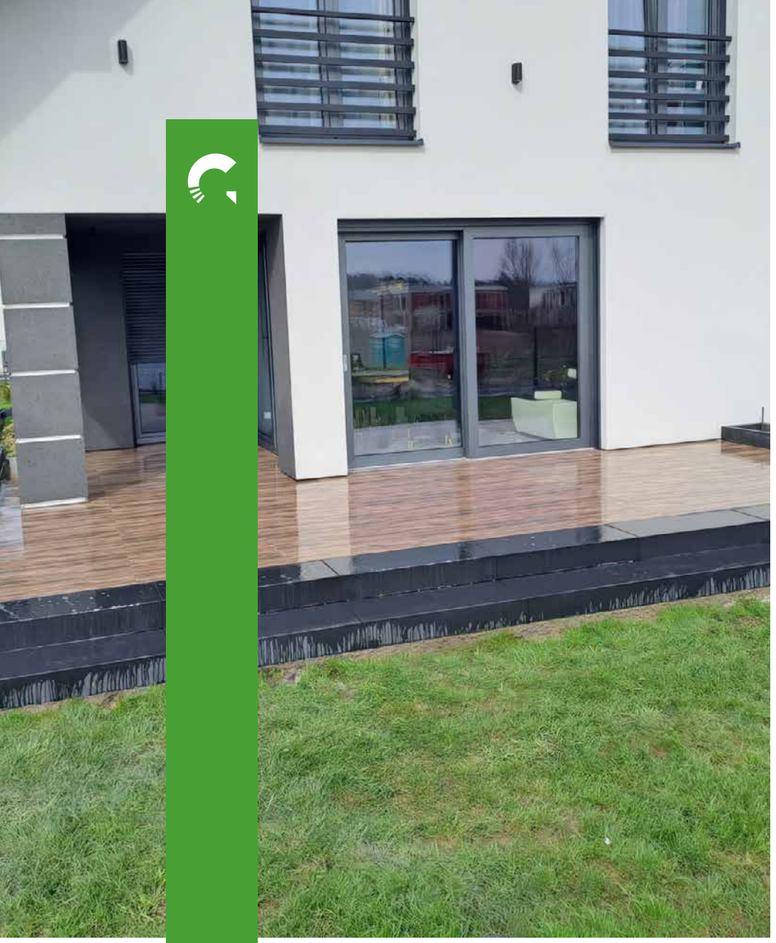
goliat 2.0 collection

Works completed: terrace, stairs

Collections used: goliat 60x60x2

Type of tiles used: 2 cm gres tiles

Metoda układania: on a permeable substrate



2.0

goliat&patio 2.0 collections

Works completed: terrace, sidewalk, driveway

Collections used: goliat 60x60x2, patio 45x90x2

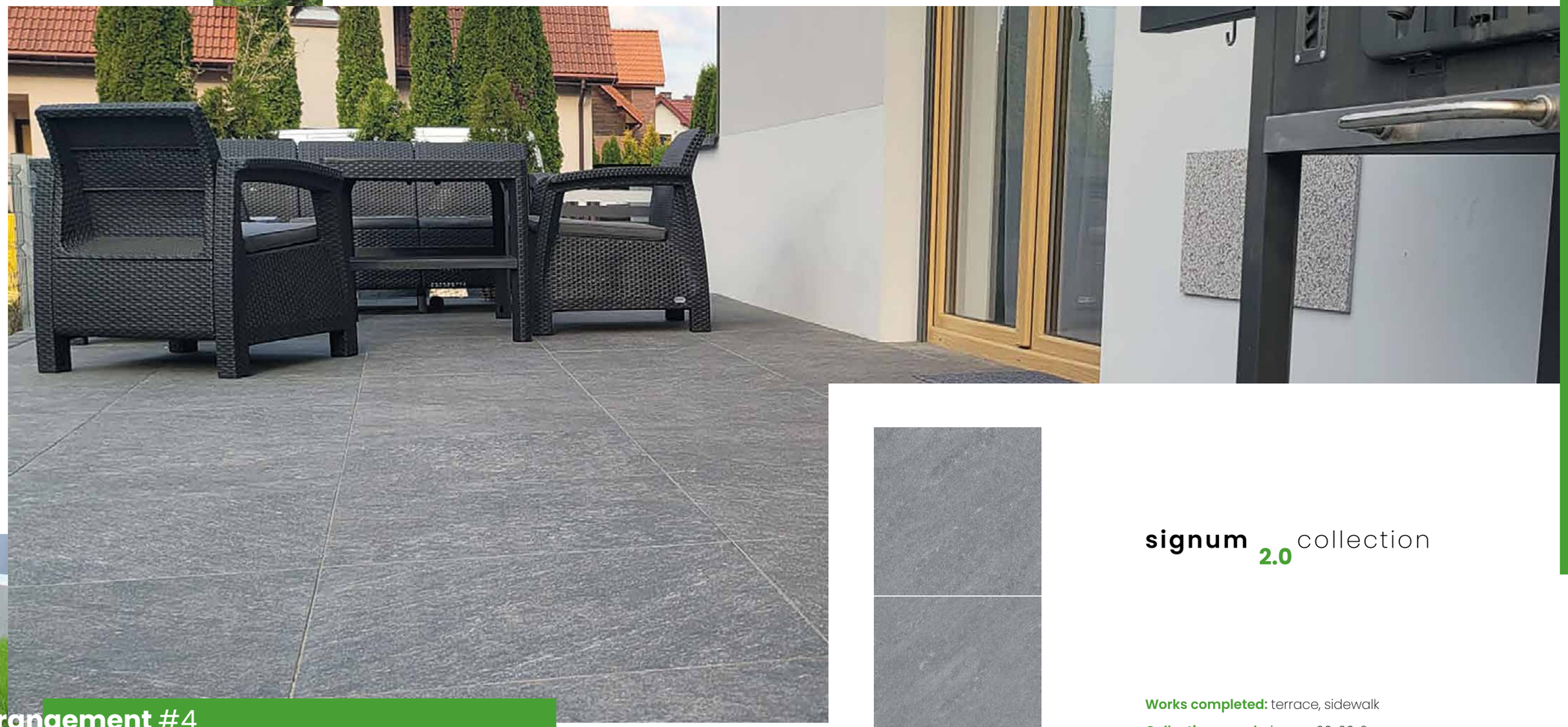
Type of tiles used: stairs - 2 cm, terrace - 2 cm tiles

Laying method: on a permeable substrate

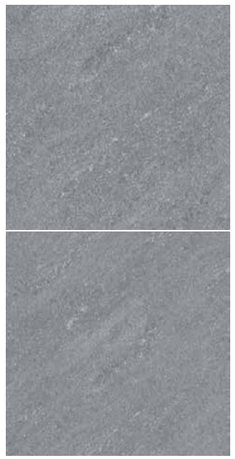
goliat white 60x60x2

patio oak 45x90x2

Arrangement #3



Arrangement #4



signum grey 60x60x2

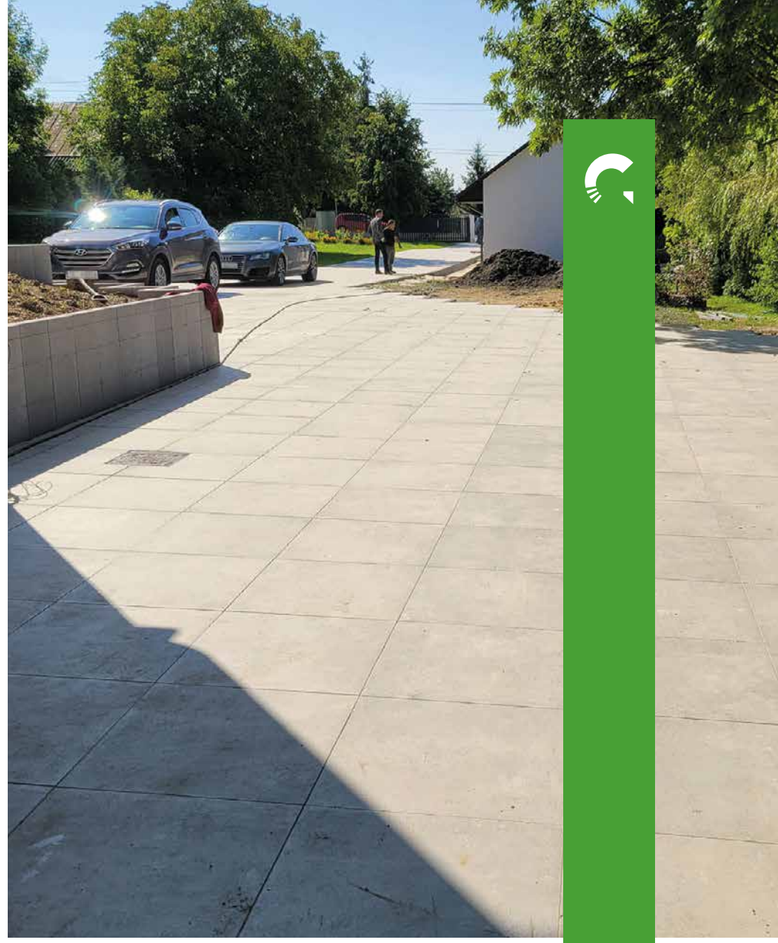
signum 2.0 collection

Works completed: terrace, sidewalk

Collections used: signum 60x60x2

Type of tiles used: 2 cm gres tiles

Laying method: on a permeable substrate



toskania 60x60x2

toskania 2.0 collection

Works completed: terrace, sidewalks, edging, driveway, stairs

Collections used: toskania 60x60x2, nicea 60x60x3

Type of tiles used: 2 cm gres tiles

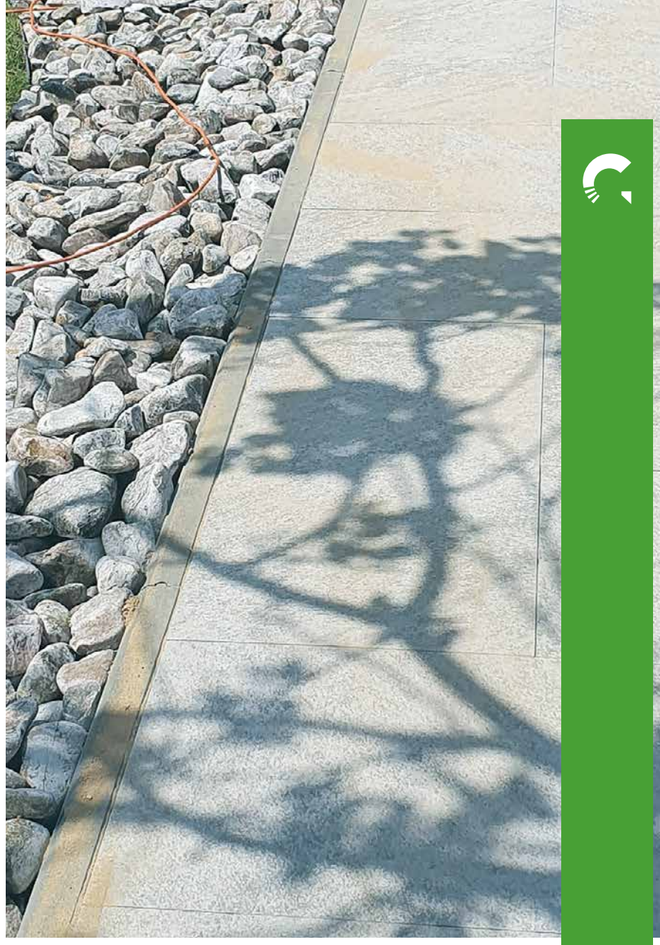
Laying method: pedestals, on sand

Arrangement #5

Arrangement #6

Ξ 2.0

signum soft grey 60x60x2



signum 2.0 collection

Works completed: terrace, sidewalk

Collections used: signum 60x60x2

Type of tiles used: 2 cm gres tiles

Laying method: pedestals, on sand

toskania 2.0 collection

Works completed: terrace and edging
Collections used: toskania 60x60x2
Type of tiles used: 2 cm gres tiles
Laying method: on sand

toskania 60x60x2

Arrangement #7

Arrangement #8

marsylia grey 90x90x2

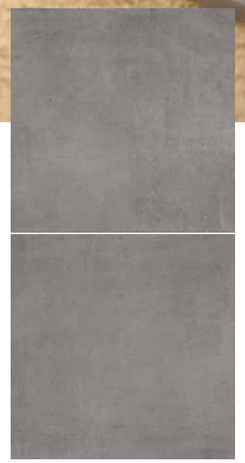
marsylia 2.0 collection

Works completed: sidewalk

Collections used: marsylia 90x90x2

Type of tiles used: 2 cm gres tiles

Laying method: on grass



square antracite 60x60x3

square 2.0 collection

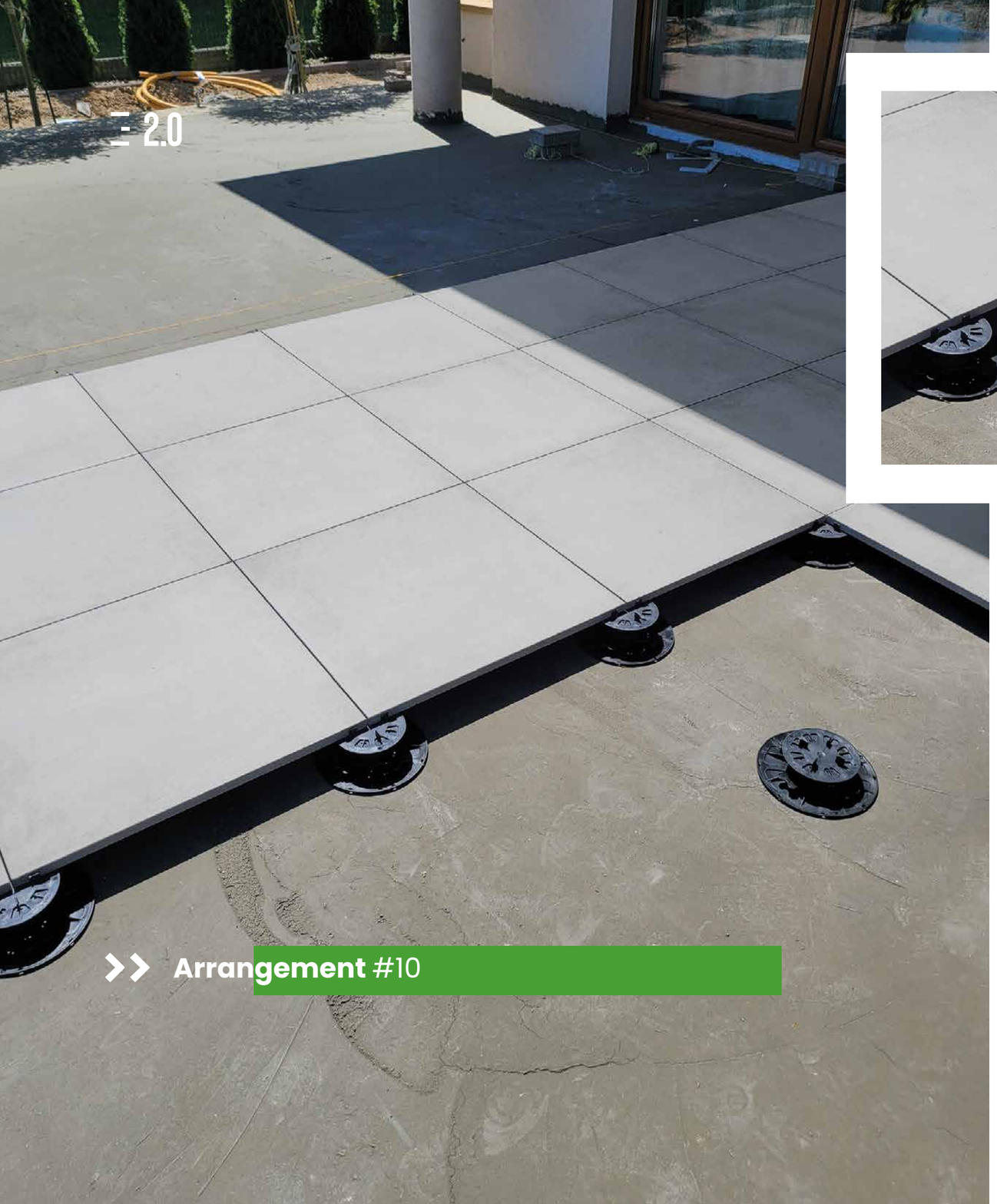
Works completed: terrace, sidewalk

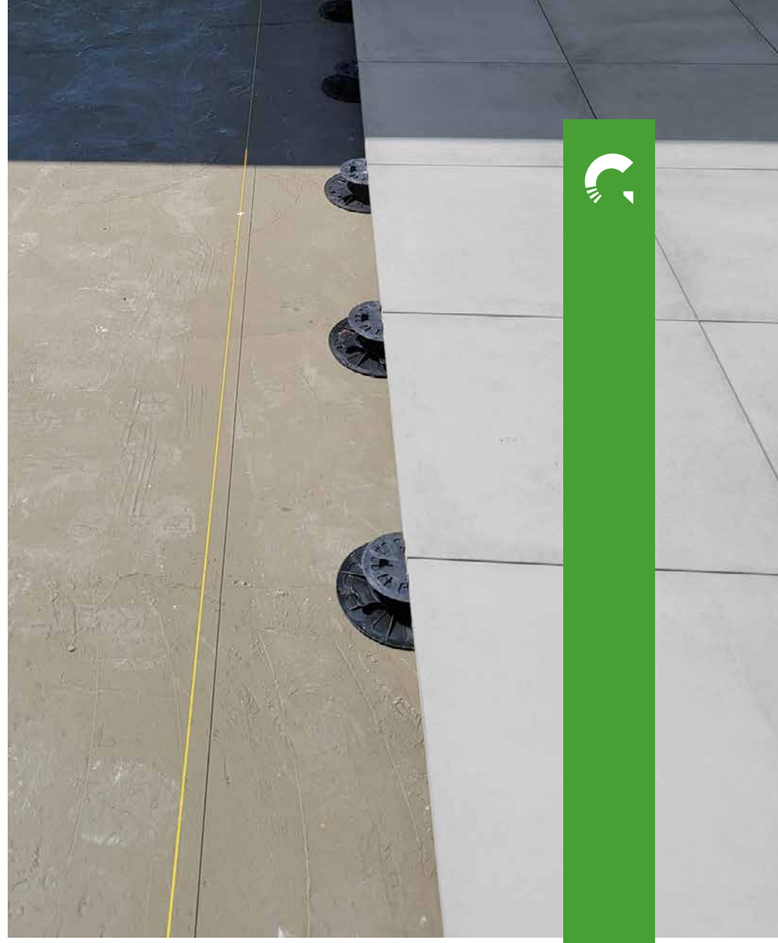
Collections used: square 60x60x3

Type of tiles used: stairs – 2 cm, terrace – 2 cm tiles

Laying method: on sand

Arrangement #9





Arrangement #10

square grey 60x60x2

square 2.0 collection

Works completed: terrace, sidewalk, driveway

Collections used: square 60x60x2

Type of tiles used: 2 cm gres tiles

Laying method: pedestals, on sand

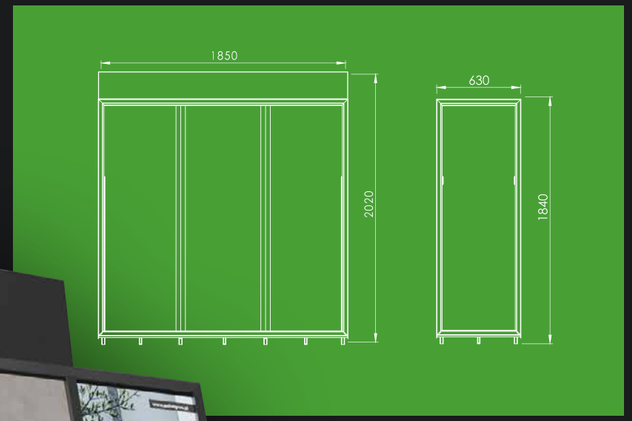
display

04 »

display zone 97
laying scheme 99
sample box 101

01

>> Tilt 220x185x110 cm

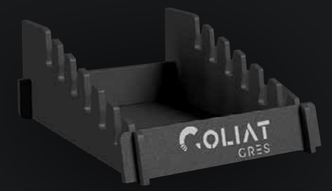


>> Zone with connector (2x tilt + connector) 220x433x110 cm

*the tilts can be connected to each other in a sequence using a connector module

3.0

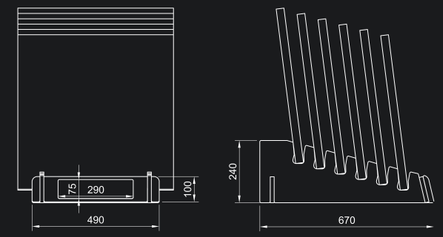
2.0



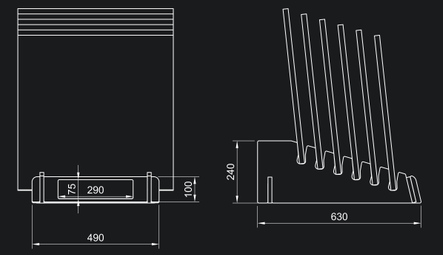
>> Floor stand 24x50x63 cm

02

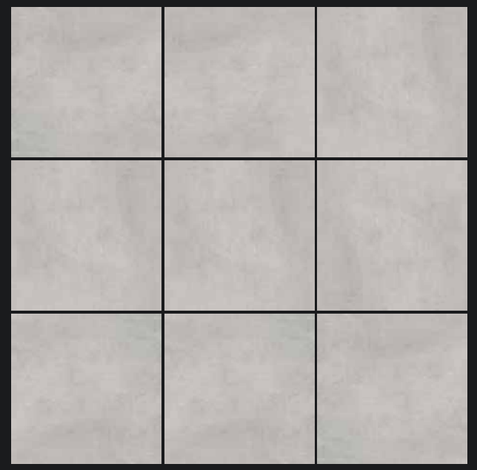
3.0



2.0

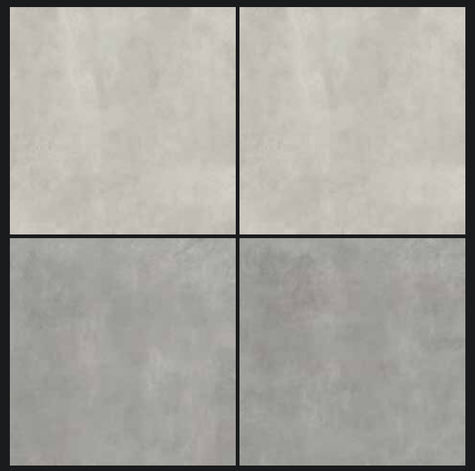


laying scheme in the zone



01 >> **Combination 1** 60x60x2 / 60x60x3

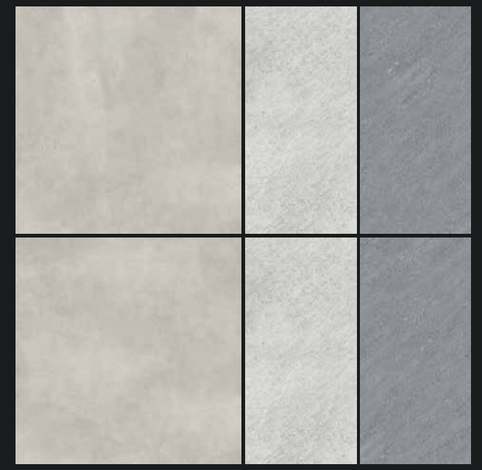
02 >> **Combination 2** 60x120x2 / 60x60x2



03 >> **Combination 3** 90x90x2 / 90x90x3

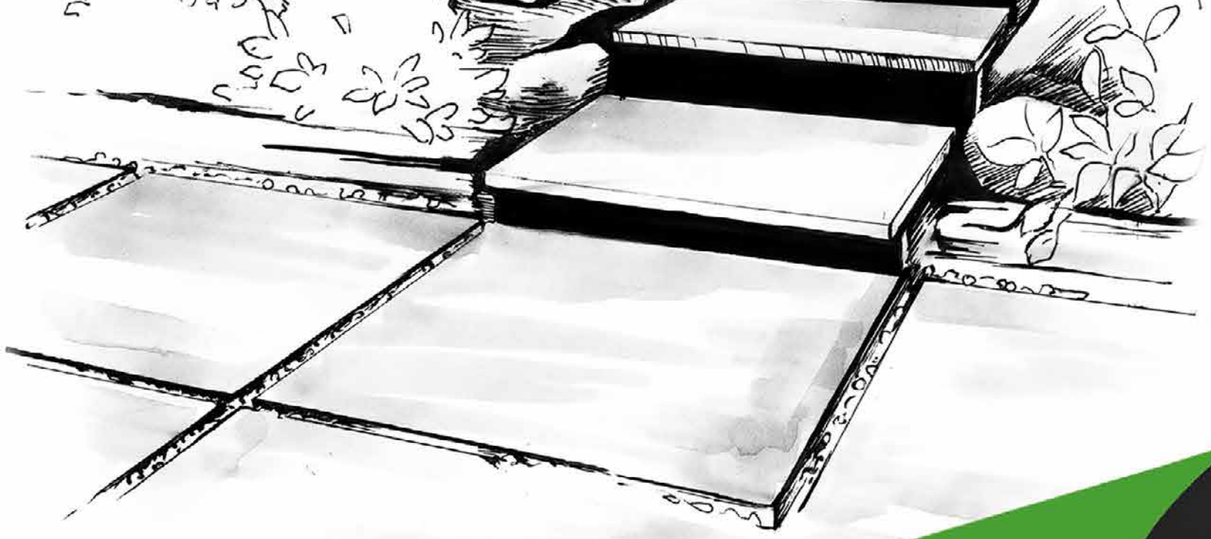
04 >> **Combination 4** 45x90x2 / 45x90x3

laying scheme in the zone



05 >> **Combination 5** 90x90x2 / 90x90x3
or 45x90x2 / 45x90x3

+ more



>> Sample box

3.0

Marsylia, Square, Signum

>> Sample box :

2.0

Toskania, Marsylia, Square, Goliat

>> 2 cm or 3 cm **collection sample box**

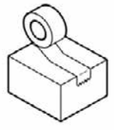
The sample box consists of samples of graphics and colors of all the collections available in Goliat offer. Sample cube format — 10 cm x 10 cm

packaging system

format (cm)	thickness (cm)	pcs/box	m²/box	kg/box	pcs/pallet	m²/pallet	kg/pallet*
thickness 3 cm							
90x90	3	1	0,81	56	20	16,2	1120
45x90	3	1	0,40	28	32	12,8	896
60x60	3	1	0,36	25	40	14,4	1000
thickness 2 cm							
60x120	2	1	0,72	32	32	23,04	1024
90x90	2	1	0,81	35,2	30	24,3	1056
30x120 stopnica	2	1	0,36	16	50	18	800
45x90	2	2	0,81	37	24	19,44	888
60x60	2	2	0,72	31	30	21,6	930
thickness 1 cm							
20x120	1	5	1,20	26	45	54	1170
60x60	0,8	5	1,80	30	30	54	900

* **Net weight** (weight of goods without weight of pallet)

01

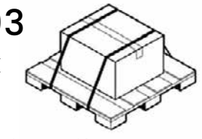


Goods secured in a cardboard packaging

02

Collective cardboard packaging additionally secured by stretch foil

03



Goods secured for transport on EUR-pallets

technical **parameters**

	Dimension and surface flatness	Method of testing	N ≥ 15 cm	
			Requirements	Average value
	Length	EN ISO 10545-2	± 0,6%	± 0,5%
	Width		± 0,6%	± 0,5%
	Thickness		± 5% / 0,5 mm	± 3% / max 0,5 mm
	Deviation from right angle		± 0,5% / 2mm	± 0,05% / max 2 mm
	Surface flatness		± 0,5% / 2mm	± 0,2% / max 2 mm

	Properties	Method of testing	Requirements	Average value	
	Water absorption	EN ISO 10545-3	E ≤ 0,5%	0,1% - 0,2%	
Kg	Bending strength	EN ISO 10545-4	for thickness ≥ 7,5 mm - ≥ 1300 N	30 MM	26 000 N
				20 MM	8500 N
Kg	Breaking strength	EN ISO 10545-4	≥ 35 N / mm²	30 MM	48 N / mm²
				20 MM	43 N / mm²
	PEI abrasion resistance	EN ISO 10545-7	as declared by the manufacturer	IV	
	Resistance to thermal shock	EN ISO 10545-9	required	resistant	
	Resistance to hairline cracks	EN ISO 10545-11	required	resistant	
	Frost resistance	EN ISO 10545-12	required	resistant	
	Chemical resistance	EN ISO 10545-13	min. B	A, LA, HA	
	Resistance to stains	EN ISO 10545-14	min. 3	5	
	Release of lead and cadmium	EN ISO 10545-15	requirements of the Commission Directive	0 0	
	Slip resistance	DIN 51130	as declared by the manufacturer	R11	

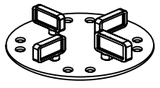
Values according to the standard:
EN 14411:2012

number of graphics

collection name	color	format	# of graphics
thickness 1 cm			
goliat			
goliat	white/taupe/soft grey	60x60x0,8	6
goliat	white/taupe/soft grey	60x120x0,8	6
patio			
patio	grey/oak/ash/black	20x120x1	9
thickness 3 cm			
marsylia			
marsylia	grey/dark grey	90x90x3	5
signum			
signum	soft grey/beige/grey/antracite	45x90x3	7
square			
square	grey/antracite	60x60x3	6
thickness 2 cm			
cortona new			
cortona	silver/taupe/musk/smoke	60x60x2	8
goliat			
goliat	white/taupe/soft grey	60x60x2	6
goliat	white/taupe/soft grey	60x120x2	6

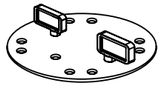
collection name	color	format	# of graphics
goliat	white/taupe/soft grey	30x120x2	7
goliat	white/taupe/soft grey	90x90x2	7
luca new			
luca	cream/beige/almond/peak/grove	60x60x2	8
marsylia			
marsylia	grey/dark grey	90x90x2	5
patio			
patio	grey/oak/ash/black	45x90x2	4
signum			
signum	soft grey/beige/grey/antracite	60x120x2	9
signum	soft grey/beige/grey/antracite	30x120x2	9
signum	soft grey/beige/grey/antracite	60x60x2	15
signum	soft grey/beige/grey/antracite	45x90x2	7
square			
square	grey/antracite	60x120x2	6
square	grey/antracite	30x120x2	7
square	grey/antracite	60x60x2	6
toskania			
toskania	toskania	60x120x2	3
toskania	toskania	30x120x2	7
toskania	toskania	60x60x2	6

Installation on pedestals - pedestal diagram



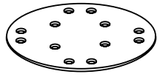
corner spacer

for supporting corner surfaces of gres tiles



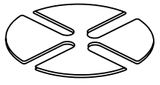
side spacer

for supporting the side surfaces of gres tiles



center spacer

to support the center of gres tiles

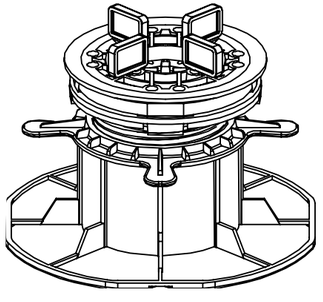


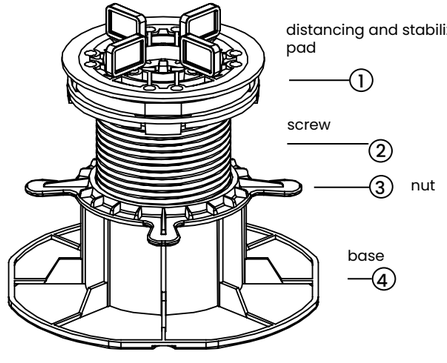
rubber pad

mounted on top of the pedestal

pedestal construction diagram

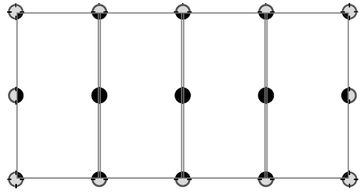
pedestal - starting position





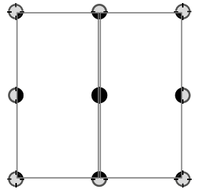
Installation on pedestals - laying diagram

top view of the system

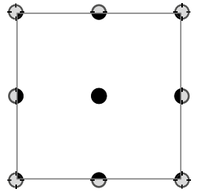


60x120 format

top view of the system

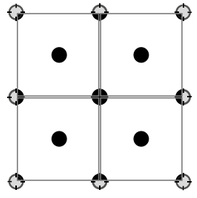


45x90 format



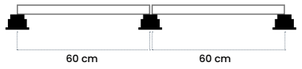
90x90 format

top view of the system

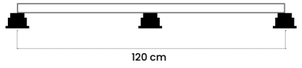


60x60 format

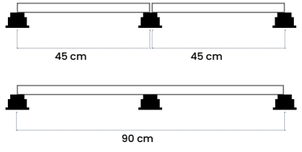
front view of the system



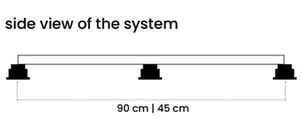
side view of the system



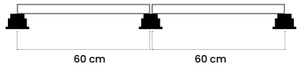
front view of the system



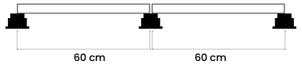
side view of the system



front view of the system



side view of the system



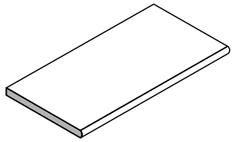
WARNING

We recommend using 5 pedestals when laying, one at each corner and one in the middle of the gres tile.

When installing **3 cm or 2 cm** thick gres tiles as a terrace system with **raised pedestals** the tile may crack. Therefore, the manufacturer recommends to check the specific application before installation. Under certain conditions, **3 cm or 2 cm** gres tiles should be further reinforced with a layer of fiber mesh or galvanized metal sheet. Failure to follow these instructions may lead to misuse of the product or cause serious injury.

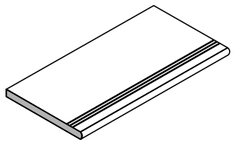
optional accessories

In addition to the core offering, the **Goliat brand** offers custom products available on special order.

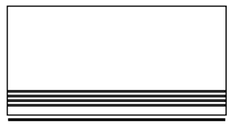


Swimming pool edge tile - 3D view

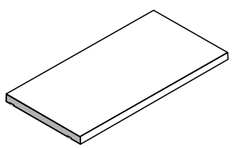
Swimming pool edge tile - top view



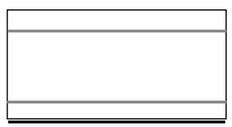
Step tile with a groove - 3D view



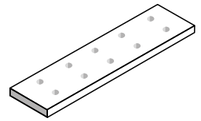
Step tile with a groove - top view



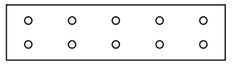
Cover tile with a groove - 3D view



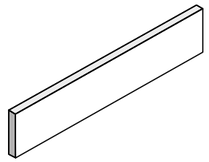
Cover tile with a groove - top view



Drainage tile - 3D view

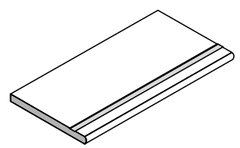


Drainage tile - top view

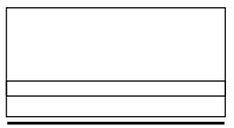


Skirting - 3D view

Skirting - top view



Swimming pool edge tile with a groove - 3D view



Swimming pool edge tile with a groove - top view

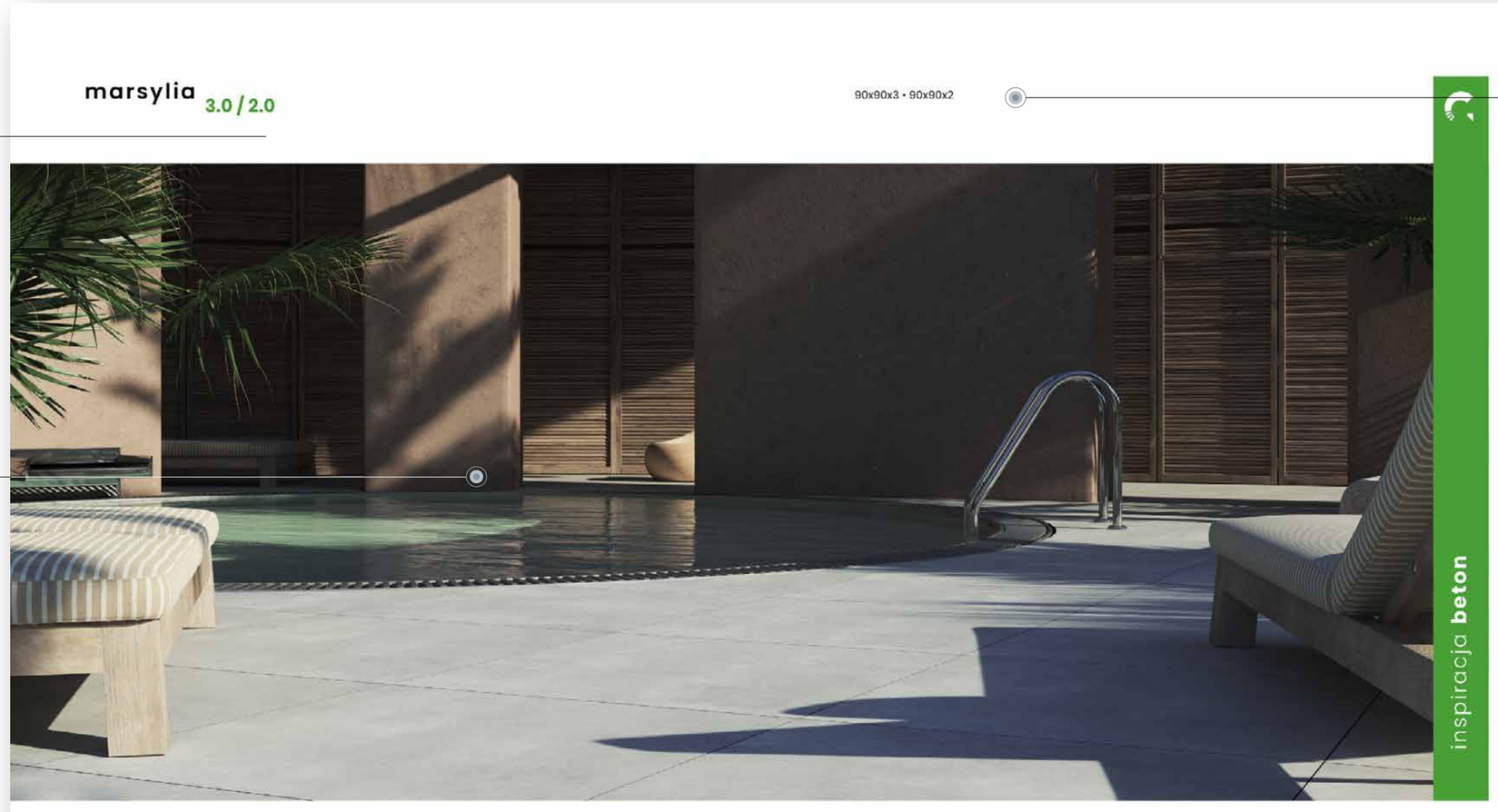
Collection name and thickness

Collection formats

Collection visualization

Collection inspiration

Collection colors



catalog explanations

płyta podłogowa · mrozoodporność · R11 antypoślizgowość · PEI IV ścieralność PEI · mat · rektyfikacja · tonalność · płyta 2 lub 3 cm

Thickness of gres tiles

Collection name

Samples of other colors

Samples of graphics in the selected color

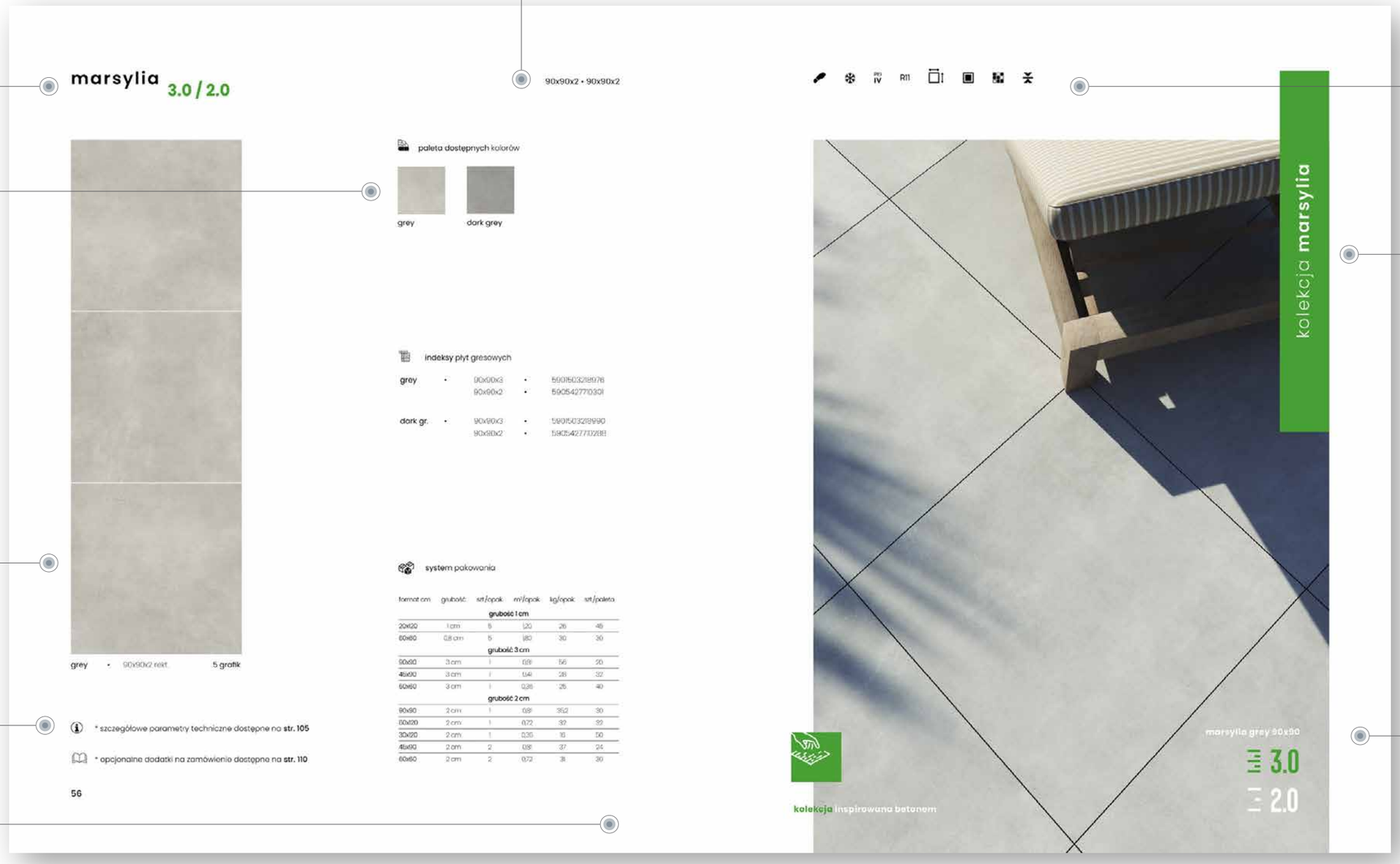
Redirection to technical information

Tiles packaging system

Pictograms

Collection name

Name of the collection used in the arrangement



format index

collection	60x120x2	30x120x2	90x90x3	90x90x2	45x90x3	45x90x2	60x60x3	60x60x2
cortona new								38
goliat	66	66		66				66
luca new			34					42
marsylia			54	54				
patio					46			
signum	58	58			62	58		58
square	70	70					70	70
toskania	50	50						50

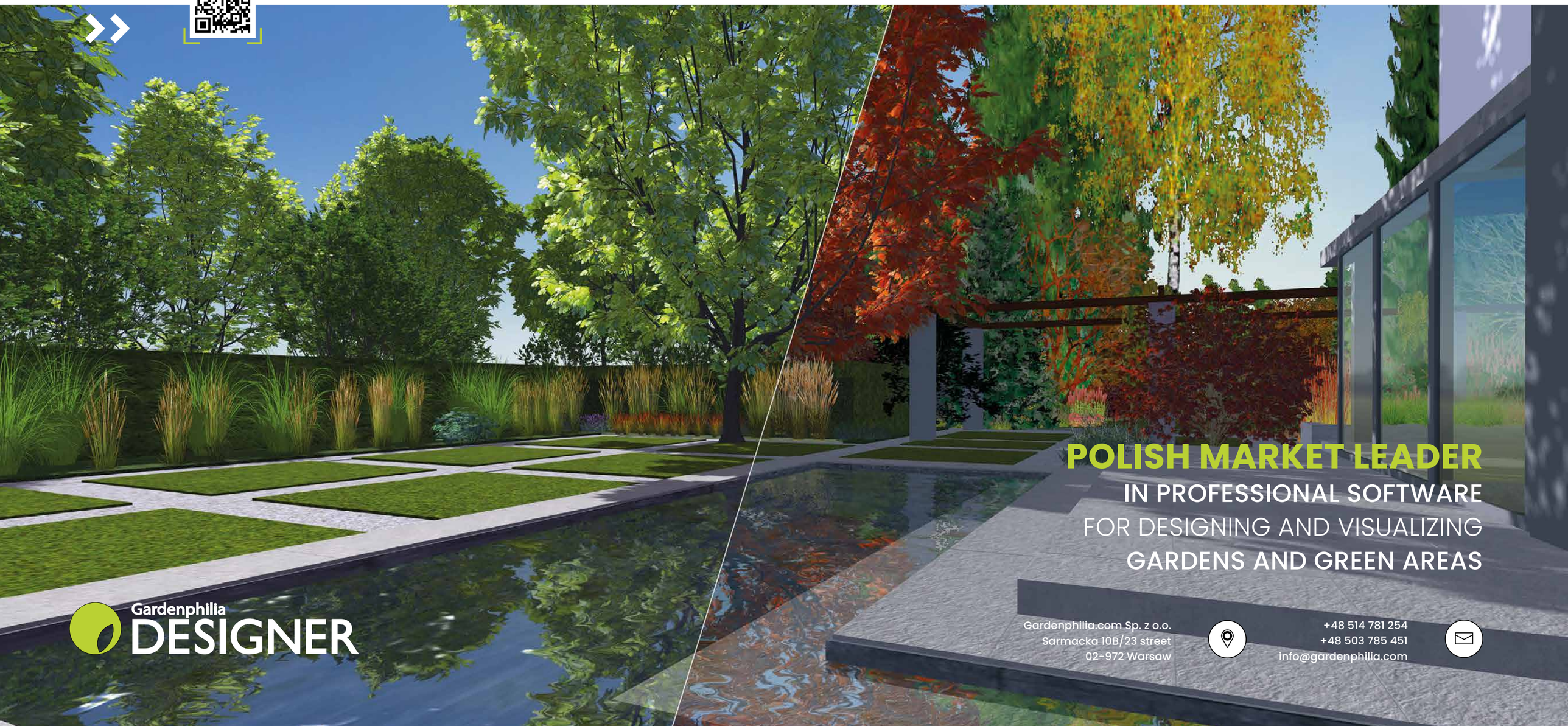
collection	60x120x1	20x120x1	60x60x0,8
goliat	66		66
patio		46	
toskania	50		50

alphabetical **index**

cortona new	38
goliat	66
luca new	42
marsylia	54
patio	46
signum 2.0	58
signum 3.0	62
square	70
toskania	50

ALL **GOLIAT 3.0 AND 2.0**
COLLECTIONS CAN BE FOUND IN
GARDENPHILIA DESIGNER

Gardenphilia.com
spółka z o.o.



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FOR DESIGNING AND VISUALIZING
GARDENS AND GREEN AREAS

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GOLIAT® GRES

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06/2024 edition