



  
Villeroy & Boch  
1748

# OUTDOOR TILES

*for a stylish look all round*





Today, one does not have to be indoors to feel good and relax at home, for on warmer days in particular, life moves outside – where people can spend the evening enjoying the day’s last rays of sunshine surrounded by nature.

Well-designed outdoor areas can significantly increase the quality of both living areas and commercial spaces, possibly introducing pleasant new uses in the process. Yet another reason why it is best to design them like indoor areas, giving preference to ceramics, an aesthetic and extremely practical choice.

The special OUTDOOR TILES from Villeroy & Boch are brand-name products that are available in a variety of designs and which are extremely durable and robust.

They can be laid on a variety of substrates and are an elegant alternative for enhancing life outdoors.

The OUTDOOR TILES collection offers a variety of advantages compared with other outdoor surfaces:



**STYLE:**

Uniform appearance of living areas and balconies, terraces, pathways and entrances.



**MATERIAL:**

*vilbostone*, high-quality, scratch- and abrasion-proof 20 mm thick brand porcelain stoneware tiles.



**FROST-PROOF:**

Frost-proof and weather-resistant when laid professionally.



**COLOUR-FAST:**

No changes in colour as a result of sunlight.



**EASY TO CLEAN:**

Surface-sealed in the factory with *vilbostoneplus* to prevent stains.



**NON-SLIP:**

Classification in non-slip classes R10/A and R11/B for outdoor areas.



**RECTIFIED EDGES:**

Millimetre-precision cut for laying with narrow joints.





## MEMPHIS OUTDOOR20

### – *Purist concrete design*

Concrete's down-to-earth appeal imparts a feeling of calm and serenity - in the garden and on the terrace, too. MEMPHIS OUTDOOR20 interprets modern facing concrete with a gentle relief effect in high-quality porcelain stoneware, combining an authentic concrete look with the impressive merits of ceramics.

The subtle play of colour resulting from the three fine, harmoniously matched shades of grey and the gentle structure lend the minimalist design a special charisma which comes into its own over larger areas produced with the large, square formats.





## OAK PARK OUTDOOR20

### – *The charm of natural beauty*

Splendidly warm, wonderfully natural and yet robust and easy-care at the same time – that’s the kind of feel-good terrace one would want. With great attention to detail, the OAK PARK OUTDOOR20 range interprets fine-grained oak wood in high-quality porcelain stoneware. A gentle relief and four selected hues create a stunningly authentic wood look.

120 cm in length, these tiles are reminiscent of real wood planks – perfect for a floor that not only looks great but also offers the appealing benefits of ceramics, too. Thanks to **vilbostoneplus** surface sealing, it stays as beautiful as the first day – even when exposed to the elements. That’s because moisture and UV light can’t harm these tiles – in contrast to real wood.







## CÁDIZ OUTDOOR20

– *Simple beauty with a natural look and feel*

Like magnificent extracts from Nature herself, CÁDIZ OUTDOOR20 tiles exude a fascinating aura of authenticity.

Available in the colours chalk multicolor, sand and grey multicolor, the range offers a contemporary new interpretation of country house style both indoors and out: A concept that is just as popular in urban environments as it is in rural areas.

The easy-care *vilbostone* porcelain stoneware range is available in the large square format 60 x 60 cm and the elegant rectangular format 40 x 80 cm.











## MY EARTH OUTDOOR20

### – *Design freedom*

No two stones on this Earth are exactly alike, and MY EARTH OUTDOOR20 was developed with this sense of uniqueness in mind. Each tile is a variation of a simple stone structure with a character all its own. The result: individual surface appearances that are able to fascinate time and again.

The range is practically predestined for use in large areas, such as those found between residential units. Easy-care *vilbostone* porcelain stoneware tiles are light-fast and retain their authentic look even when subjected to heavy use.

With its natural appearance, the range is used in both private and public areas. The colour variants light beige, beige, grey and anthracite, each in a multi-coloured version, are available – colours whose facets are ever-changing, and which even nature is unable to top.





## ABERDEEN OUTDOOR20

### – *Modern outdoor living*

Scottish granite in a contemporary interpretation – the famous port city high up in the north of Great Britain provided the inspiration for a real all-rounder for outdoor use. In the garden, on the terrace or in the outdoor kitchen – with ABERDEEN OUTDOOR20, life moves to the great outdoors.

Authentic and modern at the same time, these matt porcelain stoneware tiles with a slight relief effect, reveal the granite look of their natural role models, in three expressive colours. With two formats and individually crafted angled stair treads, private outdoor areas can be designed exactly to suit your taste in a minimalist, feel-good look.











## TUCSON OUTDOOR20

*– A comfortable and natural-looking design*

Natural-looking designs have a powerful and irresistible attraction, particularly when the materials are authentic and the design radiates wellbeing.

The TUCSON OUTDOOR20 *vilbostone* porcelain stoneware has a rustic charm with warm accents to create a visually pleasing harmony between the exterior and interior.

The 60 x 60 cm and 80 x 80 cm tiles reflect the diverse structures and colours of natural stone – an attractive solution for imaginative designs in two light and two darker styles.



## URBAN JUNGLE OUTDOOR20

### – *Quiet minimalism in urban bustle*

Life is throbbing in the modern urban jungle. What a good feeling it is to shift down a gear and treat oneself to a break. Relaxed setting preferred – preferably outside! With its innovative design, the URBAN JUNGLE OUTDOOR20 range is designed with this in mind: A pure concrete look is enlivened with inclusions reminiscent of hand-crafted terrazzo. Depending on your taste, there are four gentle hues that create a cooler or warm atmosphere in the outdoor setting.

The matt finishes are fascinating for their fine feel. And the strong ceramic design lends these high-quality porcelain stoneware tiles a three-dimensional depth – they're practically made for trendy, feel-good locations in the urban world in which we live and work.









## X-PLANE OUTDOOR20

### – *Modern minimalism in the open air*

Cement looks are all the rage - not only for wall and floor coverings, but for all manner of home accessories as well. With their puristic look and timelessly modern designs, they are true all-rounders for contemporary styles and are destined to establish a lasting presence in modern living spaces.

The finely structured surfaces of X-PLANE OUTDOOR20 offer a popular yet discreet urban look. Available in the colours beige, grey and anthracite, they are equally at home in architectural applications and private living areas.

The *vilbostone* porcelain stoneware tiles harmonise wonderfully with steel and concrete, and are also ideal as a modern counterpoint to all natural materials.

## NOSING TILES

– *Elegant stair solutions made to measure*

Nosing tiles can be used to create both functional and aesthetic stairways for a wide variety of construction projects. They are individually made to order and tailored to the exact requirements of the site. In order to overcome fixed differences in height, the depth of the stair tread and height of the edging can be defined as required.

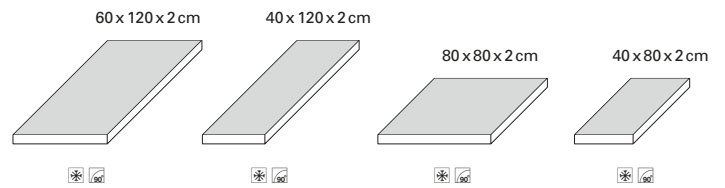
Nosing tiles are also impressive in terms of looks: because the steps appear to be a single block, the resulting staircase has a seamless, monolithic look. The prefabricated steps can also be used to edge a tiled area.







**Basic tiles**  
Tile thickness 20 mm



				Dimensions	595 x 1195 x 20 mm	395 x 1195 x 20 mm	795 x 795 x 20 mm	395 x 795 x 20 mm
ABERDEEN OUTDOOR20	SB60	opal grey			Art. 2843			
	SB70	tobacco			Art. 2843			
	SB90	slate grey			Art. 2843			
CÁDIZ OUTDOOR20	BU2M	sand						Art. 2807
	BU1M	chalk multicolor						Art. 2807
	BU7M	grey multicolor						Art. 2807
MEMPHIS OUTDOOR20	MT06	silver grey					Art. 2891	
	MT70	warm grey					Art. 2891	
	MT60	dark grey					Art. 2891	
MY EARTH OUTDOOR20	RU10	light beige					Art. 2816	Art. 2806
	RU20	beige multicolour						Art. 2806
	RU60	grey multicolour					Art. 2816	Art. 2806
	RU90	anthracite multicolour					Art. 2816	Art. 2806
OAK PARK OUTDOOR20	HR10	crema				Art. 2821		
	HR20	chalette				Art. 2821		
	HR30	brandy				Art. 2821		
	HR80	cacao				Art. 2821		
TUCSON OUTDOOR20	RN10	light rock					Art. 2819	
	RN20	sunny rock					Art. 2819	
	RN60	warm rock					Art. 2819	
	RN90	black rock					Art. 2819	
URBAN JUNGLE OUTDOOR20	TC10	light grey					Art. 2888	
	TC70	greige					Art. 2888	
	TC60	grey					Art. 2888	
	TC90	dark grey					Art. 2888	
X-PLANE OUTDOOR20	ZM20	beige			Art. 2843			
	ZM60	grey			Art. 2843			
	ZM90	anthracite			Art. 2843			
Unit of measure					m <sup>2</sup> 44,44 kg 1,39 pce	m <sup>2</sup> 46,56 kg 2,08 pce	m <sup>2</sup> 44,38 kg 1,56 pce	m <sup>2</sup> 45,31 kg 3,13 pce
Per box					0,72 m <sup>2</sup> 32 kg 1 pce	0,48 m <sup>2</sup> 22,35 kg 1 pce	0,64 m <sup>2</sup> 28,4 kg 1 pce	0,64 m <sup>2</sup> 29 kg 2 pce
Per pallet					23,04 m <sup>2</sup> 1024 kg 32 box	23,04 m <sup>2</sup> 1072,80 kg 48 box	23,04 m <sup>2</sup> 1022,40 kg 36 box	17,28 m <sup>2</sup> 783 kg 27 box
Min. sales unit					P (box)	P (box)	P (box)	P (box)
Calculation unit					m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>
Price group					P132	P132	P132	P121

= Rectified

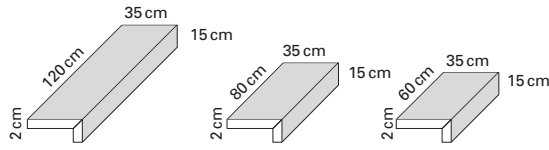
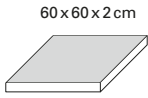
= Frostproof  
DIN EN ISO 10545-12

= Anti-slip in  
 workshop areas

= Anti-slip in barefoot  
 areas

**Basic tiles**  
Tile thickness 20 mm

**Nosing tiles\***  
Tile thickness 20 mm



Basic tiles		Nosing tiles*			Dimensions			
595 x 595 x 20 mm		350 x 1195 x 145 mm x 20 mm	350 x 795 x 145 mm x 20mm	350 x 595 x 145 mm x 20 mm				
Art. 2838		Art. 2885		Art. 2883	opal grey	SB60		ABERDEEN OUTDOOR20
Art. 2838		Art. 2885		Art. 2883	tobacco	SB70		
Art. 2838		Art. 2885		Art. 2883	slate grey	SB90		
Art. 2803			Art. 2884	Art. 2883	sand	BU2M		CÁDIZ OUTDOOR20
Art. 2803			Art. 2884	Art. 2883	chalk multicolor	BU1M		
Art. 2803			Art. 2884	Art. 2883	grey multicolor	BU7M		
Art. 2863			Art. 2884	Art. 2883	silver grey	MT06		MEMPHIS OUTDOOR20
Art. 2863			Art. 2884	Art. 2883	warm grey	MT70		
Art. 2863			Art. 2884	Art. 2883	dark grey	MT60		
Art. 2802			Art. 2884	Art. 2883	light beige	RU10		MY EARTH OUTDOOR20
Art. 2802			Art. 2884	Art. 2883	beige multicolour	RU20		
Art. 2802			Art. 2884	Art. 2883	grey multicolour	RU60		
Art. 2802			Art. 2884	Art. 2883	anthracite multicolour	RU90		
		Art. 2885			crema	HR10		OAK PARK OUTDOOR20
		Art. 2885			chalette	HR20		
		Art. 2885			brandy	HR30		
		Art. 2885			cacao	HR80		
Art. 2808			Art. 2884	Art. 2883	light rock	RN10		TUCSON OUTDOOR20
Art. 2808			Art. 2884	Art. 2883	sunny rock	RN20		
Art. 2808			Art. 2884	Art. 2883	warm rock	RN60		
Art. 2808			Art. 2884	Art. 2883	black rock	RN90		
			Art. 2884		light grey	TC10		URBAN JUNGLE OUTDOOR20
			Art. 2884		greige	TC70		
			Art. 2884		grey	TC60		
			Art. 2884		dark grey	TC90		
Art. 2838		Art. 2885		Art. 2883	beige	ZM20		X-PLANE OUTDOOR20
Art. 2838		Art. 2885		Art. 2883	grey	ZM60		
Art. 2838		Art. 2885		Art. 2883	anthracite	ZM90		
m <sup>2</sup> 44,44 kg 2,78 pce		m 21,95 kg 0,83 pce	m 22,04 kg 1,25 pce	m 22,08 kg 1,67 pce	Unit of measure			
0,72 m <sup>2</sup> 32 kg 2 pce		1,21 m 26,45 kg 1 pce	0,80 m 17,63 kg 1 pce	0,60 m 13,22 kg 1 pce	Per box			
21,60 m <sup>2</sup> 960 kg 30 box		-	-	-	Per pallet			
P (box)		E (pce)	E (pce)	E (pce)	Min. sales unit			
m <sup>2</sup>		Piece	Piece	Piece	Calculation unit			
P120		E164	E155	E144	Price group			

1 2 3 4 = Shade variation

\* The nosing tile can be used to edge a tiled area or as a stair tread.  
The depth of the tile and height of the edging can be specified as required.

## ABERDEEN OUTDOOR20

opal grey



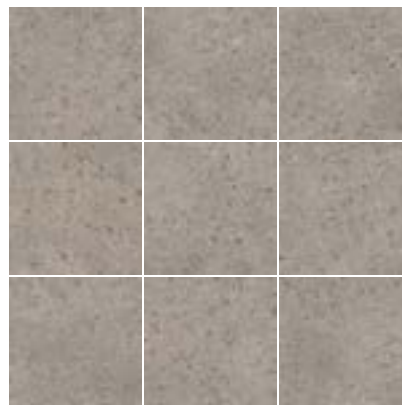
60 x 120 x 2 cm



60 x 60 x 2 cm



tobacco



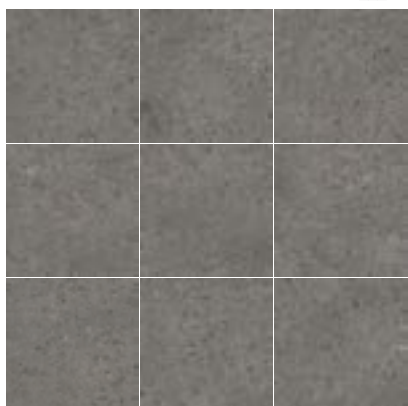
60 x 120 x 2 cm



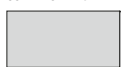
60 x 60 x 2 cm



slate grey



60 x 120 x 2 cm



60 x 60 x 2 cm



## CÁDIZ OUTDOOR20

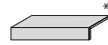
chalk multicolor



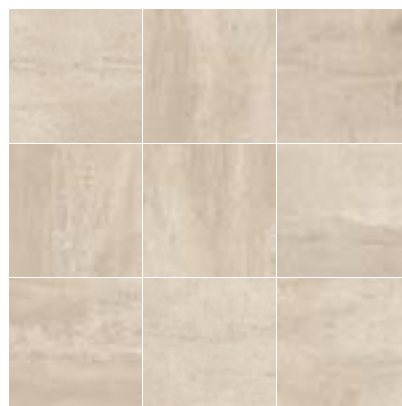
40 x 80 cm



60 x 60 cm



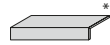
sand



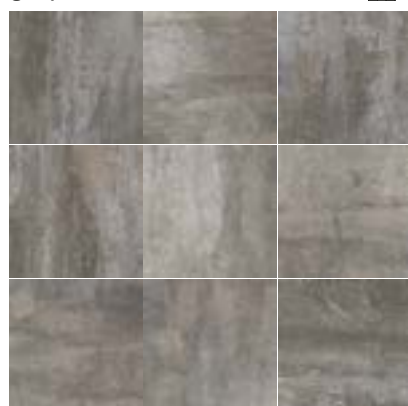
40 x 80 cm



60 x 60 cm



grey multicolor



40 x 80 cm

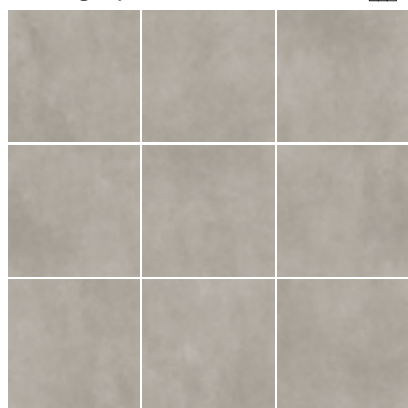


60 x 60 cm



## MEMPHIS OUTDOOR20

silver grey



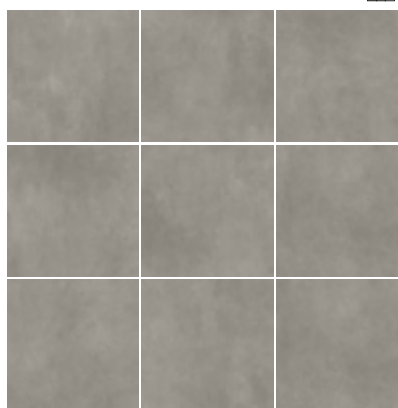
80 x 80 x 2 cm



60 x 60 x 2 cm



warm grey



80 x 80 x 2 cm



60 x 60 x 2 cm



dark grey



80 x 80 x 2 cm

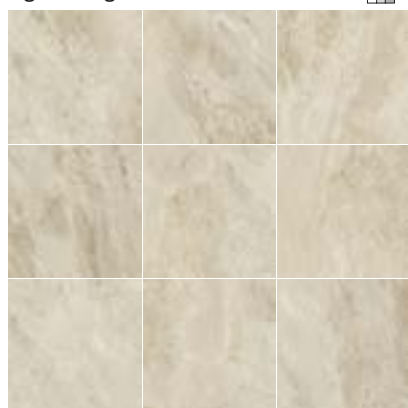


60 x 60 x 2 cm



## MY EARTH OUTDOOR20

light beige



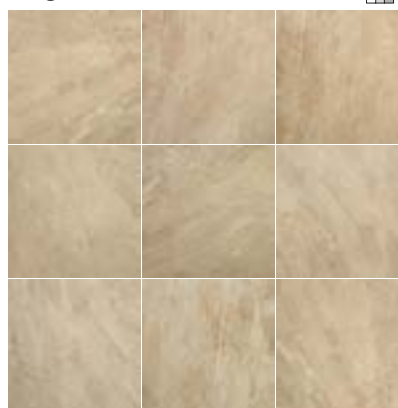
80 x 80 cm 40 x 80 cm



60 x 60 cm



beige multicolour



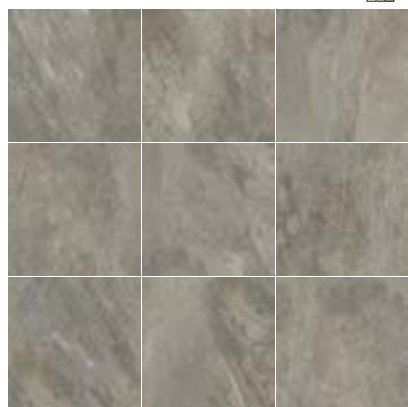
40 x 80 cm



60 x 60 cm



grey multicolour



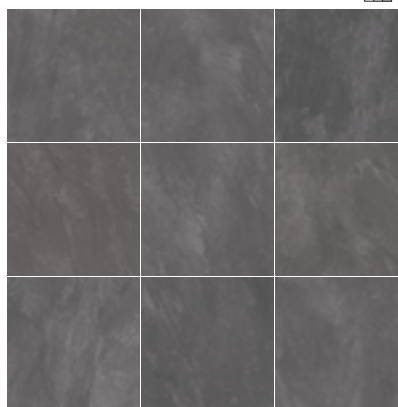
80 x 80 cm 40 x 80 cm



60 x 60 cm



anthracite multicolour



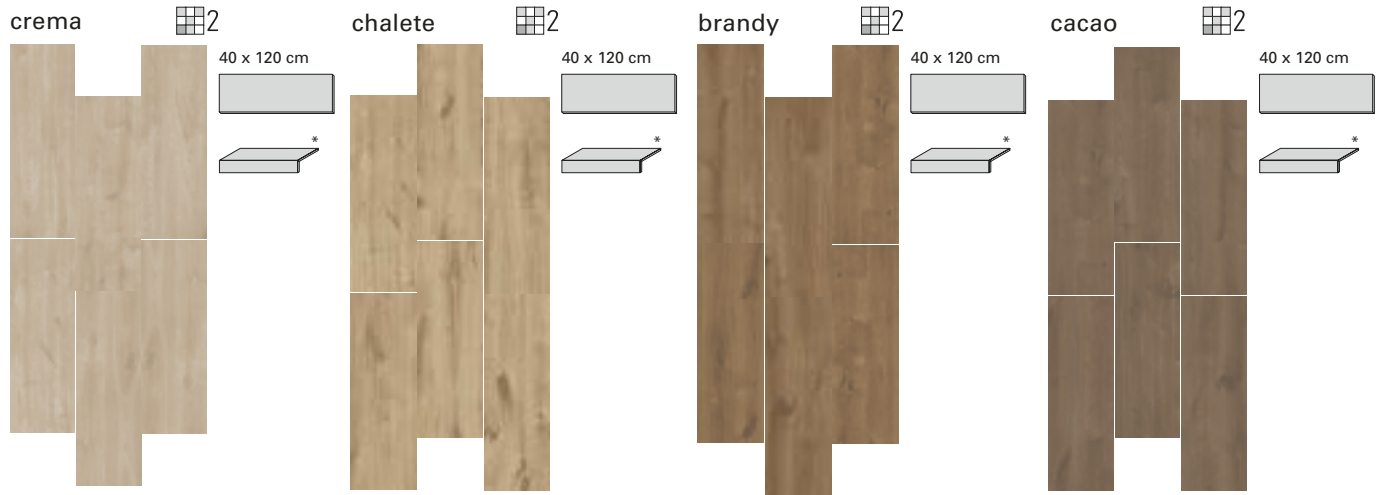
80 x 80 cm 40 x 80 cm



60 x 60 cm



## OAK PARK OUTDOOR20



## TUCSON OUTDOOR20



## URBAN JUNGLE OUTDOOR20

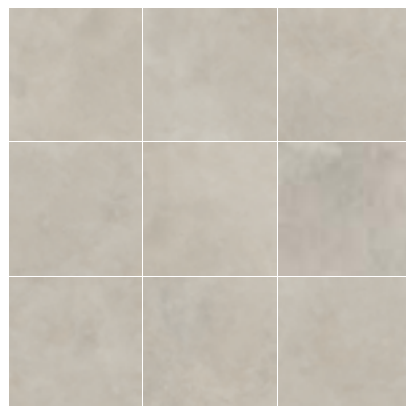
light grey



80 x 80 cm



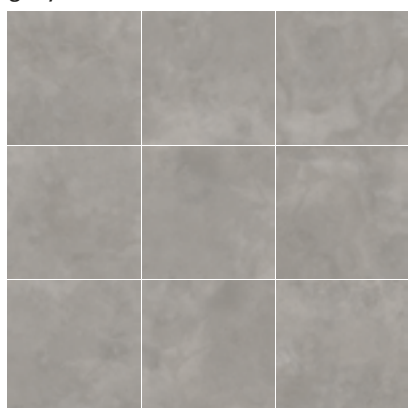
greige



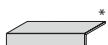
80 x 80 cm



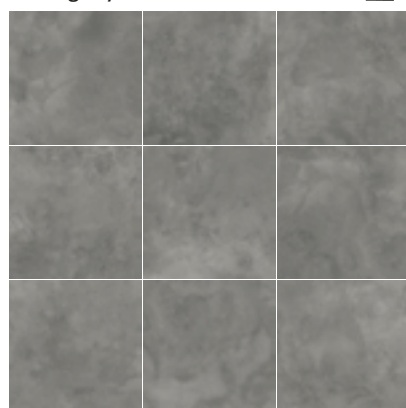
grey



80 x 80 cm



dark grey

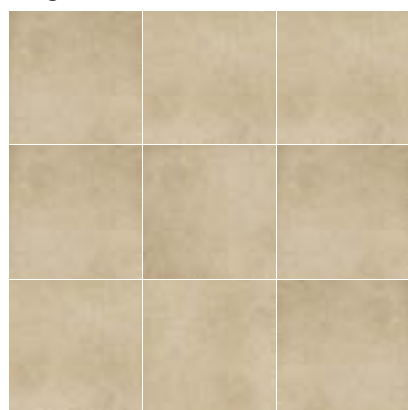


80 x 80 cm



## X-PLANE OUTDOOR20

beige



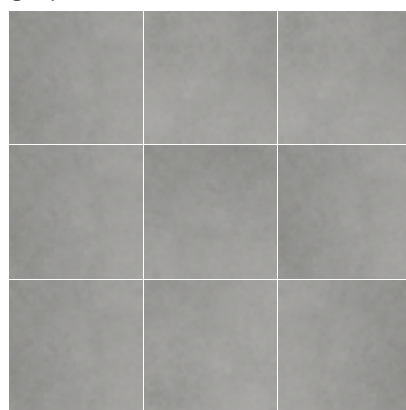
60 x 120 cm



60 x 60 cm



grey



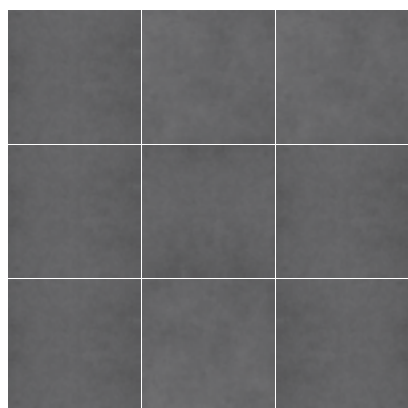
60 x 120 cm



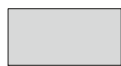
60 x 60 cm



anthracite



60 x 120 cm

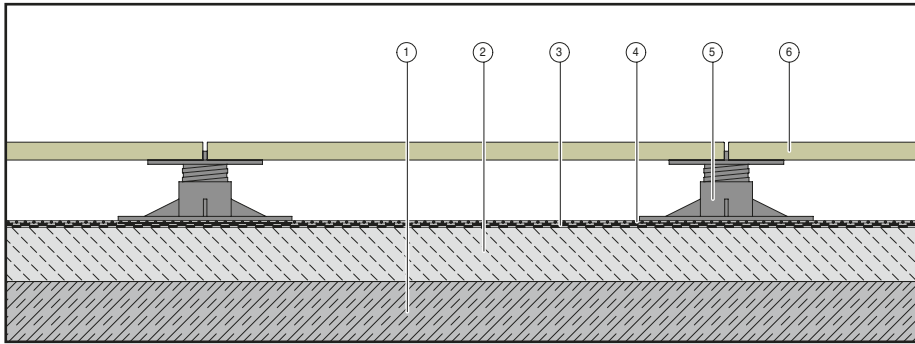


60 x 60 cm



# INSTALLATION METHODS

## Laying on pile foundations or mortar bags



Loose laying on pile foundations or mortar bags on underground floor slab or concrete cantilever slab

- ① Uncovered floor
- ② Sloping screed
- ③ Seal in accordance with DIN 18531-5
- ④ Protective mat
- ⑤ Pile foundations / mortar bags
- ⑥ OUTDOOR TILES

### Advantages:

- Suitable for laying on top of existing coverings if the resulting overall height meets requirements
- Both laying variants can be performed quickly
- When laid on pile foundations or mortar bags, replacing individual OUTDOOR TILES is quite straightforward
- This also allows for the concealment of cables, pipes etc. under the structure

### Laying the tiles:

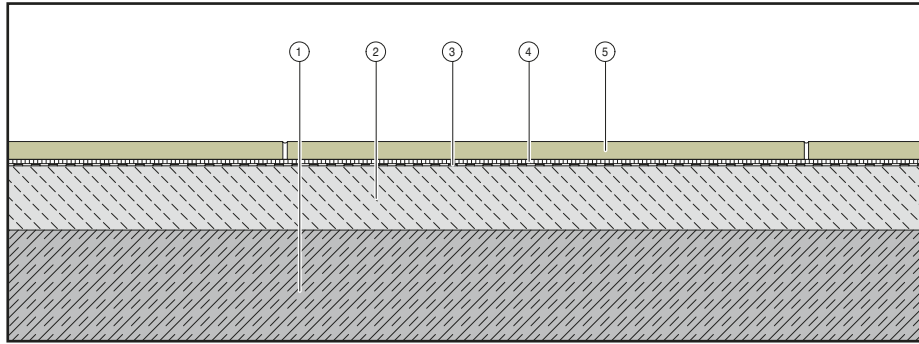
- Prepare the substrate with a slope of at least 2% and seal in accordance with DIN 18531-5
- In order to protect against mechanical impairment, a protective mat should also be installed over the waterproofing
- A vapour barrier is required above heated rooms
- Place the pile foundations or mortar bags (with integrated spacers) or mortar bags in the desired grid and align horizontally
- Lay the OUTDOOR TILES by placing them around the spacers with approx. 5 mm wide joints
- If higher loads are expected, it is recommended that support also be provided beneath the centre of each tile





# INSTALLATION METHODS

## Laying on cement screed



Fixed laying in a mortar bed on underground floor slab or concrete cantilever slab

- ① Floor slab
- ② Sloping screed
- ③ Composite seal in acc. with DIN 18531-5
- ④ Mortar bed
- ⑤ OUTDOORTILES

### Advantages:

- Suitable for terraces and balconies with low overall heights
- Harmonises well with similar indoor floor coverings

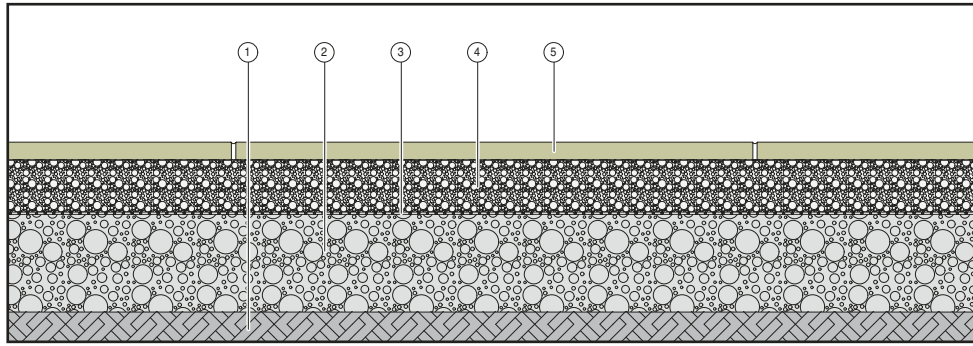
### Laying the tiles:

- Prepare the substrate with a slope of at least 2% and waterproofing in accordance with DIN 18531-5
- If necessary, apply an additional levelling coat in the event that the deviations in screed height are too great
- Lay the tiles with approx. 5 mm wide joints in a joint-coordinated pattern (cross joints) using a hydraulically setting thin-bed mortar (Group C2 S2)
- Carry out jointing with hydraulic hardening joint mortar
- The space between the settlement joints in a width of approx. 6-12 mm can, depending on the expected thermal expansion pursuant to the ZDB flyer, be between 2 and 5 m.



# INSTALLATION METHODS

## Laying on gravel beds as necessary with contact layer/Bonding course



Loose laying on gravel bed

- ① Natural soil
- ② Rough gravel support
- ③ Water-permeable covering
- ④ Gravel bed
- ⑤ OUTDOOR TILES  
as necessary with contact layer

### Advantages:

- Suitable for accessible ground-level terraces
- It is possible to simply lay the tiles on concrete slabs or base plates, or on natural, load-bearing substrates
- When laid on gravel beds, replacing individual tiles is quite straightforward

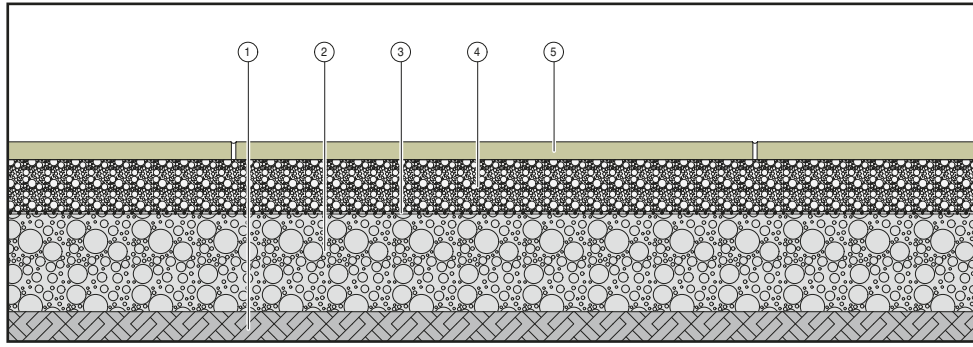
### Laying on natural soil:

- The substrate must be sufficiently compacted
- The 20 - 40 cm thick mineral supporting layer, comprising mixed gravel, for example, should have a grain size of approx. 0/32 to 0/56 mm
- Application of a water-permeable covering is required
- Create a 3 - 5 cm thick gravel bed that is able to drain
- Lay the OUTDOOR TILES with approx. 5 mm wide joints. A bonding course should be applied to the back of the tiles to reduce subsequent shifting and tilting of the tiles.
- Fill joints with water-permeable joint sand
- Surface slope of at least 2%



# INSTALLATION METHODS

## Laying on drainage mortar with contact layer



Fixed laying on drainage mortar

- ① Natural soil
- ② Rough gravel support
- ③ Water-permeable covering
- ④ Drainage mortar
- ⑤ OUTDOOR TILES with contact layer

### Advantages:

- Suitable for accessible ground-level terraces
- It is possible to simply lay the tiles on concrete slabs or base plates, or on natural, load-bearing substrates

### Laying on natural soil:

- The substrate must be sufficiently compacted
- The 20 - 40 cm thick mineral supporting layer, comprising mixed gravel, for example, should have a grain size of approx. 0/32 to 0/56 mm
- Application of a water-permeable covering is required
- Drainage mortar must be applied in a thickness of at least 5 cm and up to 10 cm, depending on the load
- A suitable contact layer must be applied to the back of the tiles during installation
- Lay the OUTDOOR TILES with approx. 5 mm wide joints
- Fill joints with water-permeable joint sand
- Surface slope of at least 2%

## TECHNICAL PROPERTIES

vilbostone unglazed porcelain stoneware in acc. with DIN EN 14411, Group BI<sub>a</sub> (Water Absorption E<sub>b</sub> ≤ 0.5%)

Grouping: Table ZA.1.1 Outdoor floor covering



Characterization	Test according to DIN EN ISO	Requirements	Test result 40 x 80 cm	Test result 60 x 60 cm
Dimensions	10545-2	Compliance to the tolerances required	Passed	Passed
Surface quality	10545-2	min. 95 % free from visible defects	Passed	Passed
Water absorption % by weight	10545-3	≤ 0,5 / individual max. 0,6%	< 0,5	< 0,5
Modulus of rupture in N/mm <sup>2</sup>	10545-4	min. 35 N / mm <sup>2</sup> individual min. 32 N / mm <sup>2</sup>	≥ 45	≥ 45
Breaking strength	10545-4	min. 700N (thickness <7,5 mm) min. 1.300N (thickness ≥7,5 mm)	≥ 11.200	≥ 11.200
Breaking load	10545-4	Declared value	≥ 5.700	≥ 11.400
Resistance of impact (Measurement of the rebound coefficient)	10545-5	Declared value	≥ 0,55	≥ 0,55
Resistance to deep abrasion	10545-6	max. 175 mm <sup>3</sup>	≤ 145	≤ 145
Linear thermal expansion from ambient temperature to 100° C in K <sup>-1</sup>	10545-8	Declared value	Not tested	Not tested
Thermal shock resistance	10545-9	Declared value	Not tested	Not tested
Moisture expansion in mm/m	10545-10	Declared value	Not tested	Not tested
Frost resistance	10545-12	Required	Passed	Passed
Resistance to household chemicals and swimming pool salts	10545-13	min. class B	A	A
Resistance to acids and alkalis - low concentration	10545-13	Declared value	LA	LA
Resistance to acids and alkalis - high concentration	10545-13	Declared value	HA	HA
Resistance to staining	10545-14	min. class 3	Class 5	Class 5
Release of lead and cadmium	10545-15	Declared value	Not tested	Not tested
Minor differences in colour	10545-16	ΔE <sub>cmc</sub> < 1.0	Not tested	Not tested
Determination of slip-resistance – commercial area	CEN/TS 16165	Declared value	R11	R11
Determination of slip-resistance – barefoot area	CEN/TS 16165	Declared value	B	B

Tiles by Villeroy & Boch meet every aspect of the international parameters required for “sustainable building”.

All over the world, our tiles feature in architectural projects that are classified by the German DGNB, and in accordance with the American LEED and the British BREEAM. The closed manufacturing processes that include both traditional and state-of-the-art technologies, such as digital print, meet the very highest environmental standards. All raw materials used in the ceramic mass, glazes and pastes, as well as for packaging the tiles, are evaluated according to strict ecological principles.

The entire manufacturing process avoids emissions into the water, soil and air that would have a detrimental effect on the environment. Heat recovery and continuous energy-efficiency measures, as well as environmentally aware waste management, are testimony to the environmental

compatibility of our production. At least 85% of the waste produced is recycled. The waste water generated by the manufacturing process and the solids it contains are almost entirely re-used. Thanks to heat recovery, CO<sub>2</sub>-emissions can be reduced by about 3000 tons per year.

Not only manufacturing considerations but also the lasting quality of the designs of our tiles earn them the “sustainable building” accolade at international level. Both manufacture and the products themselves are continuously assessed in accordance with the latest independent system and product certifications.

For further information about projects and certifications, as well as videos and brochures about our environmental management, please go to [www.respecting-nature.com](http://www.respecting-nature.com)

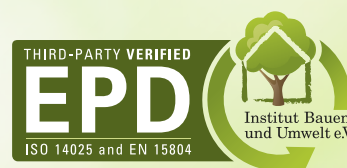
## Certification - DIN EN ISO 9001

The DIN EN ISO 9001 quality management system has been documenting the ongoing optimisation of work processes throughout the company since 1995.

## Certification - DIN EN ISO 14001

Based on the plan-do-check-act cycle and ongoing improvement in environmental performance, DIN EN ISO 14001 specifies the main requirements for identification, monitoring and supervision of direct and indirect environmental aspects in the company.

All certifications are carried out by Bureau Veritas.



## **EMAS validation**

V & B Fliesen GmbH was the first German tile manufacturer to participate in the EMAS (Eco-Management and Audit Scheme), currently the strictest test system for environmental criteria, at Merzig. It calls for a continuous, performance-oriented and regularly measurable optimisation process in which employees must also be involved. In 2019, V & B Fliesen GmbH was certified for another three years by an external environmental auditor.

## **CE mark**

The CE mark indicates that the product complies with the requirements of the corresponding EU directive – in particular with regard to health protection and the safety of users and consumers – and may thus be freely circulated on the Community market.

At [www.villeroy-boch.com/ce](http://www.villeroy-boch.com/ce) you will find information on compliance with requirements for the CE mark by porcelain stoneware, glazed vitreous and nonvitreous products from Villeroy & Boch Tiles.

## **Ecological, environmentally friendly production**

Our tiles have been awarded the Environmental Product Declaration (EPD) label by the IBU (Institut für Bauen und Umwelt e.V.). The Environmental Product Declaration provides relevant, verifiable and comparable information on the environmental impact of products. This certification allows architects and planners to utilise our products in all properties that have been certified as satisfying the BREEAM, LEED, DGNB or other comparable international requirements for sustainable building.

The IBU, as the administrator of the German EPD program, is part of the ECO PLATFORM, through which it works to promote the harmonisation of national EPD programmes at the European level.

## **Declaration of Performance in accordance with the Construction Products Regulation [BauPVO]**

**305/2011 (EU) dated 9 March 2011:**

The Declaration of Performance specifies the characteristics that are applicable in accordance with the product standard DIN EN 14411 for which our compliance is obligatory. In our company this applies to the following product groups:

- Porcelain stoneware (Group BIa)
- Vitreous stoneware (Group BIb)
- Nonvitreous stoneware (Group BIII)

This can be viewed and downloaded from our homepage at [www.villeroy-boch.com/pvo](http://www.villeroy-boch.com/pvo).



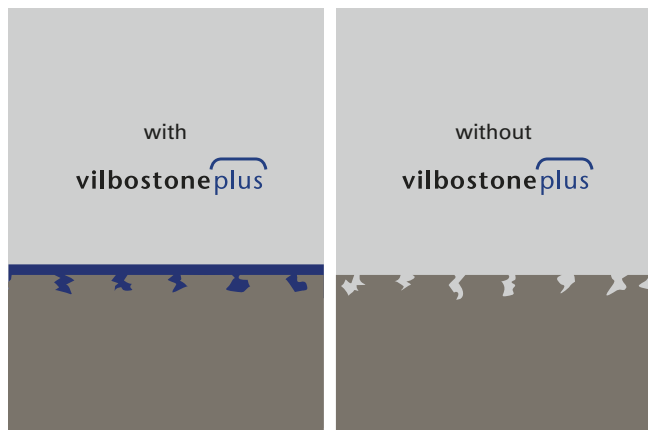
# CLEANING AND CARE

## General

On account of their properties, tiles are considered to be easy to clean. The cleaning methods and cleaning agents must, however, be adapted to the type of floor and local conditions.

It should be noted that hydrofluoric acid and related substances are able to attack or destroy the surface of porcelain stoneware tiles.

**Consequently, no cleaning agents containing hydrofluoric acid are to be used!**



## vilbostoneplus

Unglazed vilbostone porcelain stoneware with a matt or rough-polished surface finish have the vilbostoneplus seal, which renders the tiles particularly resistant to dirt and stains. During the manufacturing process, the structure of the tile surface is sealed in order to further increase the tiles' resistance to staining and dirt, as a result of which subsequent treatment with impregnating agents is no longer necessary.

## Cleaning

Final cleaning after tiling / Basic cleaning	Product and dosage	Cleaning equipment
Loose dirt	-	Broom and vacuum cleaner
Cement film, mineral soiling, such as limescale deposits, soap residue	Acidic cleaner (available from specialist retailers)	Sponge, scrubbing brush, brush, cloth, microfibre cloth
Grease, oils, waxes, cosmetics, shoe marks	Alkaline cleaner (available from specialist retailers)	Sponge, scrubbing brush, brush, cloth, microfibre cloth
Routine cleaning		
Normal dirt, such as dust, light dirt, street dirt	Neutral cleaning agents (available from specialist retailers)	Broom and vacuum cleaner Sponge, scrubbing brush, brush, cloth, microfibre cloth

**Please note: All of the information we provide about cleaning, care and removing stains from ceramic tiles is based on the latest knowledge and material research. It is, however, of a general nature and cannot cover every single eventuality. Therefore, please observe the instructions provided by the cleaning agent manufacturer.**



V & B Fliesen GmbH

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Shades and dimensions subject to the usual tolerances. We reserve the right to make technical modifications to the range and alter colours.

