

# evo\_2/e

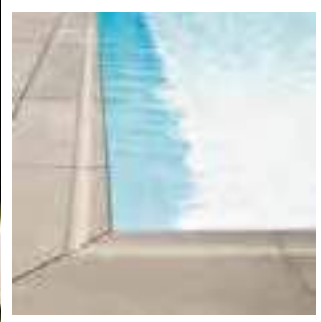
ENG



gardens



terraces

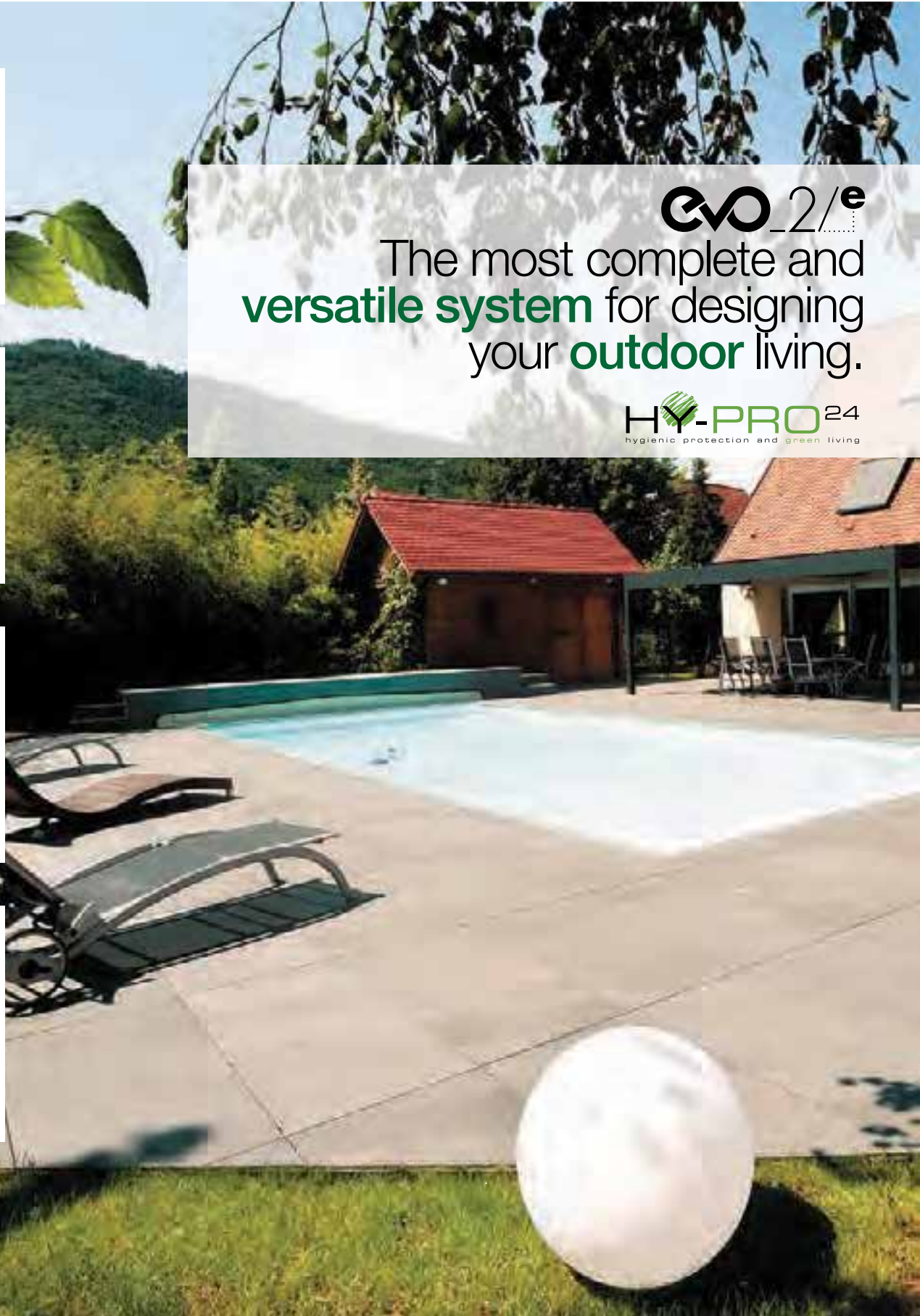


swimming pools



urban design

**evo\_2/e**  
The most complete and  
**versatile system** for designing  
your **outdoor** living.  
**HY-PRO<sup>24</sup>**  
hygienic protection and green living

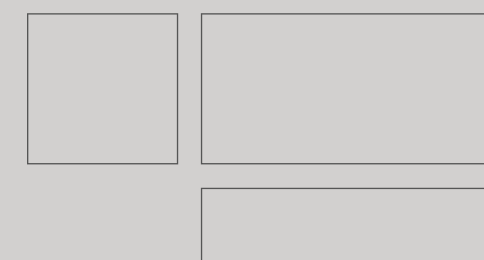


# FLOORS FOR THE OUTDOORS AN EVOLVED AND VERSATILE SYSTEM

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SLAB  
60x120cm  
30x120cm  
60x60cm



THICKNESS  
20mm



### Hi- tech porcelain stoneware.

The best possible performance: a material that lasts over time, guaranteed by the expertise of Mirage and used in prestigious architecture projects across the world.

### An extra-complete system.

EVO\_2/e is a complete system: trim tiles for swimming pools, gardening, stairs, raised installation solutions.

### Evolved design.

Various colours of extraordinary aesthetic impact, perfect to the finest detail.

### Unrivalled functionality.

Versatile and easy to install, as well as easy to clean and not in need of further maintenance.

### Environmentally friendly.

Mirage collections are Ecolabel certified and are suitable for sustainable architecture projects.



# MIRAGE PORCELAIN STONEWARE: EXCELLENT PERFORMANCE AND FUNCTIONALITY









**The most technologically evolved material:**

Mirage porcelain stoneware offers the utmost performance in 20mm thickness. It does not change over time, is wear and weather resistant.









**Practical and functional:** easy to install, it does not require maintenance.

A broad range of trims, it guarantees perfect finishing even in special locations such as swimming pools and gardens.

PERFORMANCE

-  **FROST RESISTANT**
-  **COLOUR REMAINS UNCHANGED OVER TIME**
-  **RESISTANT TO THERMAL SHOCK**  
(from -50°C to +60°C)
-  **HIGH BREAKAGE LOAD**  
(more than 1,000 kg per slab)
-  **RESISTANT TO ATTACK FROM**  
moulds, moss and verdigris treatments
-  **RESISTANT TO CORROSION FROM SALT**
-  **RESISTANT TO STAINS, ACIDS AND CHEMICALS**
-  **ENVIRONMENTALLY FRIENDLY**  
Mirage collections are Ecolabel certified

FUNCTIONALITY

-  **EASY TO CLEAN**  
(also with the use of pressure washers)
-  **EASY TO INSTALL**  
Rectified and single work-size
-  **IT DOES NOT REQUIRE SPECIAL TREATMENTS**
-  **REMOVABLE, EASY TO INSPECT AND REUSABLE**  
(only 17 kg per slab 60x60)
-  **SINGULARLY PACKED**
-  **OUTDOOR APPLICATION + COORDINATED INDOORS**  
Available in standard thickness for indoor use
-  **ANTI-SLIP**  
Surface finish R11 / A + B + C
-  **VERSATILE**  
Various installation systems

# FOR AN INFINITE AMOUNT OF APPLICATIONS: FUNCTIONALITY, DESIGN, FINISHES

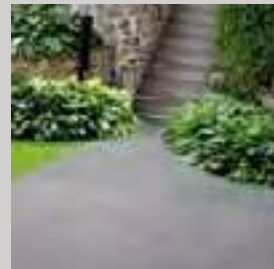
## RESIDENTIAL VENUES



GARDEN



PATIOS AND TERRACES



STEPS AND PATHWAYS  
trim tiles



SWIMMING POOLS  
trim tiles



PARAPETS AND FLOWER BEDS  
trim tiles

## PUBLIC VENUES



HOSPITALITY



BATHING RESORTS



INDUSTRIAL AREAS



PATHWAYS AND URBAN DESIGN

The performance and design of EVO\_2/e slabs, combined with the complete range of trim tiles, allow for the paving of outdoor areas of public and residential venues with the utmost appeal and precious finishes.

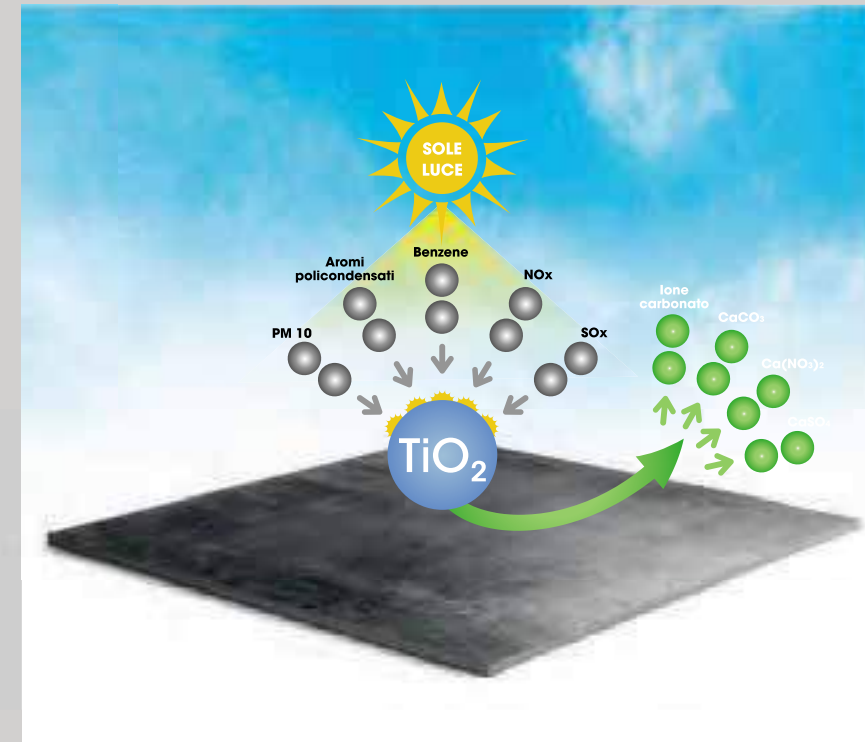


# ECOLABEL, THE EUROPEAN ENVIRONMENTAL QUALITY MARK



 EVO\_2/e system slabs are Ecolabel certified.

Ecolabel is a European quality mark that certifies products that, throughout their entire life span, have a reduced environmental impact. Ecolabel certification is awarded to products that meet the most stringent environmental and technical standards set forth by the European Union.



**HY-PRO**<sup>24</sup>  
hygienic protection and green living

HY-PRO<sup>24</sup> is the innovative Mirage technology that makes it possible to treat porcelain stoneware hot applied with titanium dioxide (TiO<sub>2</sub>), directly included in the transparent surface structure of the material. The treatment is further enhanced by active metal elements that combat germs and bacteria, giving an effective contribution to their removal. Mirage porcelain stoneware, which already boasts excellent technical performance, thus becomes an anti-pollution, hygienising, photocatalytic material, self-cleaning on ventilated facades, combining the advantages of Mirage porcelain stoneware with all the benefits of titanium dioxide and the metal elements added to it. The technology used employs an innovative fixing process, creating a building material in which this treatment is no longer just a surface layer that can easily be scratched by walking on it, but actually becomes an integral part of the ceramic material itself. The action of the HY-PRO<sup>24</sup> treatment thus proves to be abrasion-resistant and able to last over time.

**SUNDECK** collection is also available with Hy-Pro<sup>24</sup> treatment (page 107).



**SUNDECK**

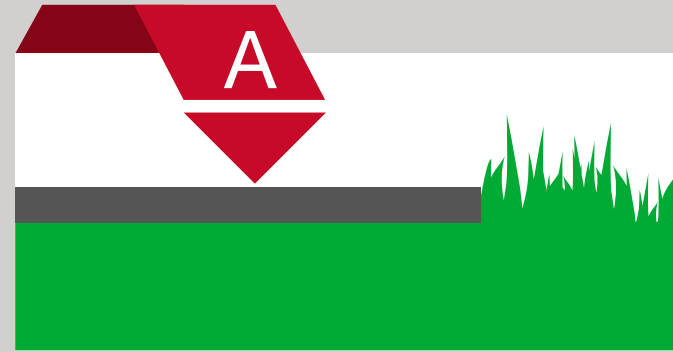
**HY-PRO<sup>24</sup>**  
hygienic protection and green living

A material treated with HY-PRO<sup>24</sup> therefore becomes:

- **Anti-pollution**, contributing to combating smog, fine particles and other harmful pollutants. The photocatalytic action of HY-PRO<sup>24</sup> products purifies the air by guaranteeing the safe removal of compounds harmful to human health, thanks to the activation of the titanium dioxide through light radiation. Laboratory researches have shown that the eco-activity of HY-PRO<sup>24</sup> against dangerous NOx pollutants, over a surface of 100 square metres, is equivalent to the action of 100 medium-sized trees in eliminating the harmful substances present in the air.
- **Active in defending against germs and bacteria**, through the combination of TiO<sub>2</sub> and active metal elements. The photocatalytic action of HY-PRO<sup>24</sup> also effectively removes common, and potentially harmful, germs and bacteria from every treated surface. The activity triggered by the UV rays, combined with the addition of active metal elements even in the absence of radiation, guarantee hygiene in both public and private areas, indoors and outdoors, at any time of the day.
- **Self-cleaning**, thanks to the ultra-hydrophilic properties. The rare, distinctive characteristic of the HY-PRO<sup>24</sup> treatment is that it makes the surface ultra-hydrophilic. The advantages of this property become evident when water coming into contact with the material evenly distributed all over the surface, thus making it easier to remove elements of dirt.

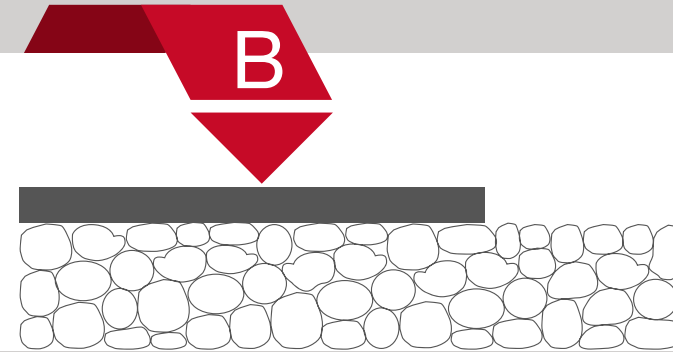
**SUNDECK** collection is also available with Hy-Pro24 treatment (page 107).

# 5 INSTALLATION SYSTEMS: MAXIMUM VERSATILITY



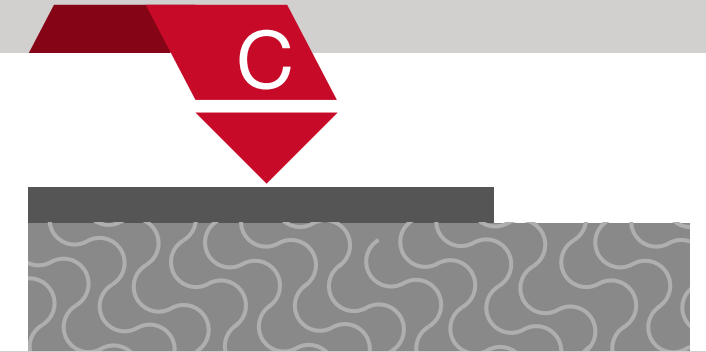
## INSTALLATION ONTO GRASS

- + Easy to install and removable.  
Suitable for residential gardens and public parks.



## INSTALLATION ONTO GRAVEL AND/OR SAND

- + Easy to install and removable.  
Perfect colours and design to enhance contemporary buildings.



## ADHESIVE INSTALLATION ONTO FOOTING

- + Carriageable floors.  
Continuous effect with indoor floors: slabs available in standard thickness.



EVO\_2/e is an innovative and extremely versatile system thanks to five different installation solutions: from the simple laying on grass or gravel to raised installation (and floating installation), all the way through to the adhesive installation onto the footing.



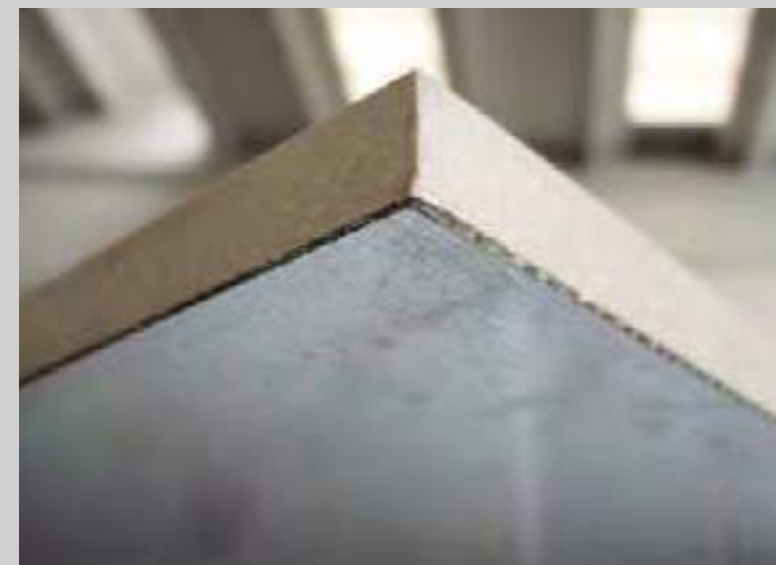
## FLOATING INSTALLATION ONTO SPACER FEET

**+** Removable and reusable.



## RAISED INSTALLATION ONTO FLAT SURFACES

**+** Easy to inspect.  
Housing for cables, electrical circuits and pipes.  
Two different supports available.



## EVO 2/E: WARNINGS FOR LAYING ON RAISED FLOORS

### Size 60x60 – 20 mm thickness

When laying 60x60, 20 mm thick slabs in raised applications, it is advisable to maintain a **maximum** raised height of 10 cm from the tread surface. With a view to maintaining the highest quality standards and guaranteeing the raised laying of only the tile in full safety, Mirage also recommends the use of a central foot on the 60x60 during laying operations, in order to correctly distribute the stress from various types of loads on the tread surface. It is in any case possible to lay 60x60 20 mm thick tiles at heights of more than 10 cm **by gluing** the lower part of the slab to a **fibre glass mesh or galvanised steel sheet, depending on the required height.**

### Size 60x120 – 20 mm thickness

Size 60x120 with 20 mm thickness is considered suitable for laying on screed, gravel, sand, grass or supports at a maximum height of 2 cm, using 6 supports per slab (3.3 supports/m<sup>2</sup>) in order to distribute loads uniformly. For **raised laying between 2 and 10 cm** a fibre glass mesh must be applied to the lower part of the slab. A raised floor of more than 10 cm **is subject to the application of a galvanised steel sheet on the rear of the slab.**

### Size 30x120 – 20 mm thickness

Size 30x120 with 20 mm thickness is considered suitable for laying on screed, gravel, grass or sand. The use of size 30x120 in 20 mm is allowed for raised floors of up to 10 cm using 6 supports per slab (6 supports/m<sup>2</sup>) and applying a galvanised steel sheet to the rear of the slab. **Size 30x120 cannot be laid at heights of more than 10 cm from the underlying tread surface.**

*For more information, technical specifications concerning raised laying and quotations, please contact your sales representative or Mirage Engineering Division.*





+ resistant to attack from moulds, moss and verdigris treatments.



+ Easy and quick installation that does not require professional laying technicians.

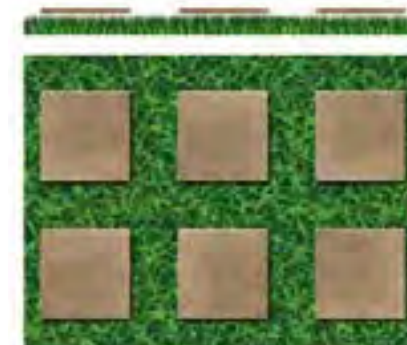
The installation does not require special equipment or tools.



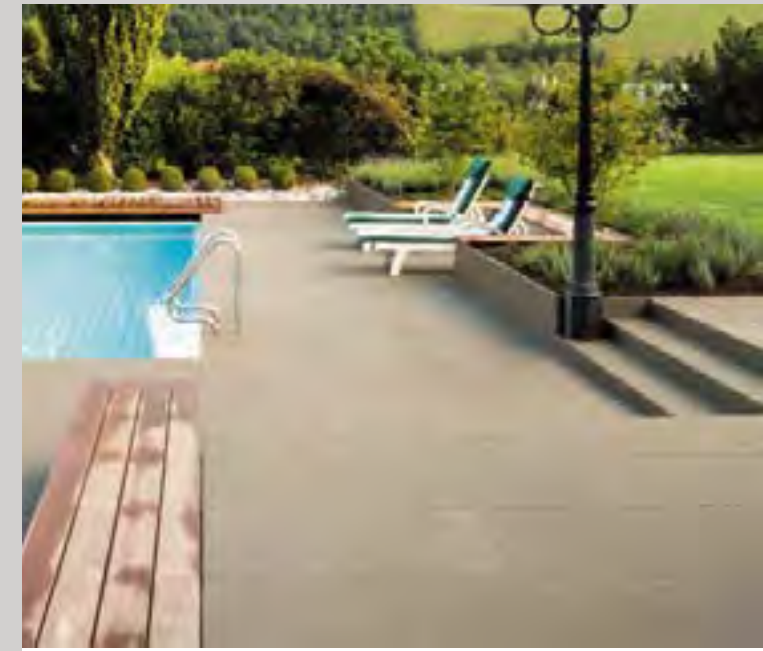
+ Various installation options.



01




02






+ The Ecolabel mark means that the most hygienic and environmentally safe products can be easily identified.

 Mirage ceramic collections are Ecolabel certified.





+ Colours don't change their appearance over time.

+ Resistant to extreme temperatures: from -50°C to +60°C.

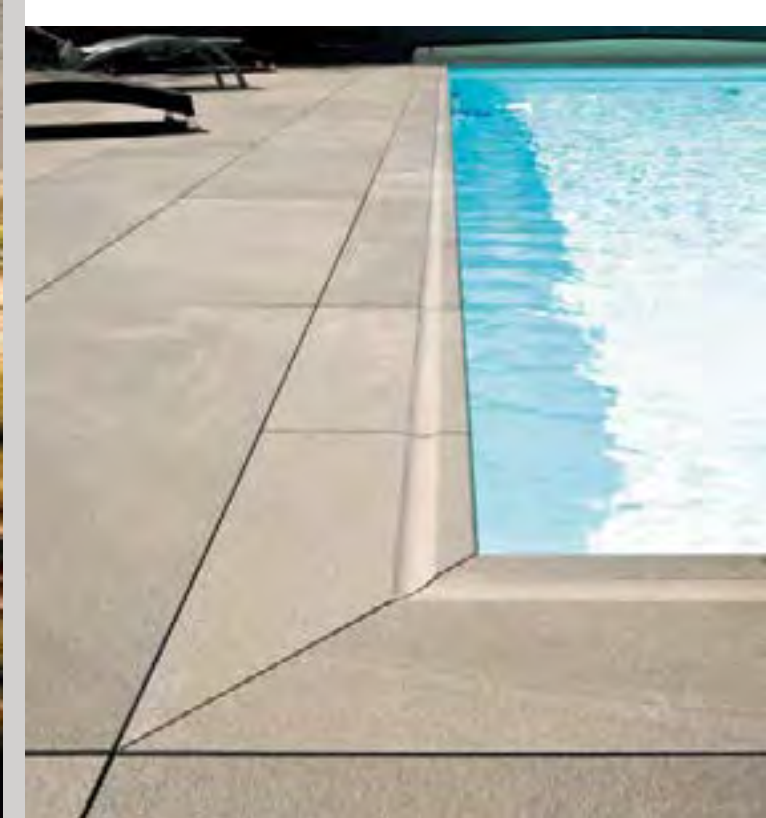
+ EVO\_2/e range allows the use of more than one size on the same floor.

+ It does not stain with oils or greasy residues from barbecues.



+ Also for large surfaces, the aesthetic result is excellent thanks to the planarity and dimensional precision of the slabs.

**+** The quick installation, the perfect drainage of rainwater and the absence of joints are the most significant advantages of the installation onto gravel.





+ L border 15x15x60 to contain gravel.

+ EVO\_2/e is suitable for renovation works of outdoor areas combining aesthetics, functionality and durability.





+ Resistant to attack from moulds, moss and verdigris treatments.

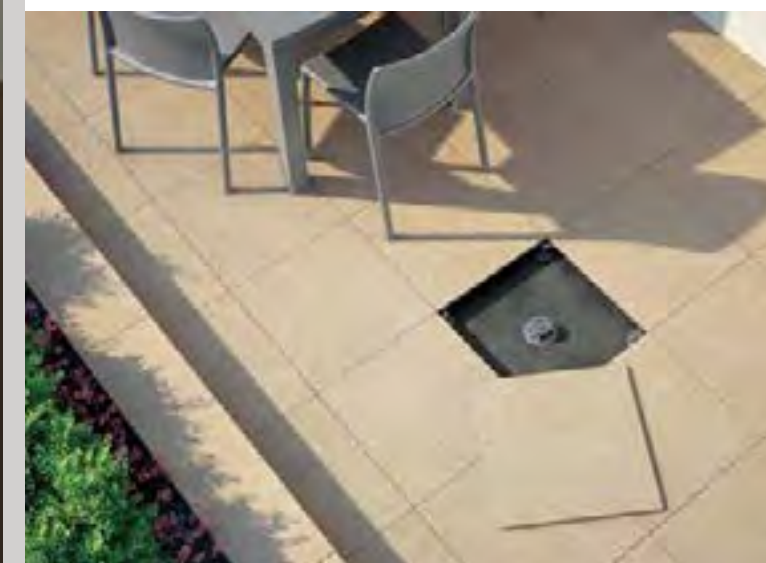
+ EVO\_2/e range allows the use of more than one size on the same floor.

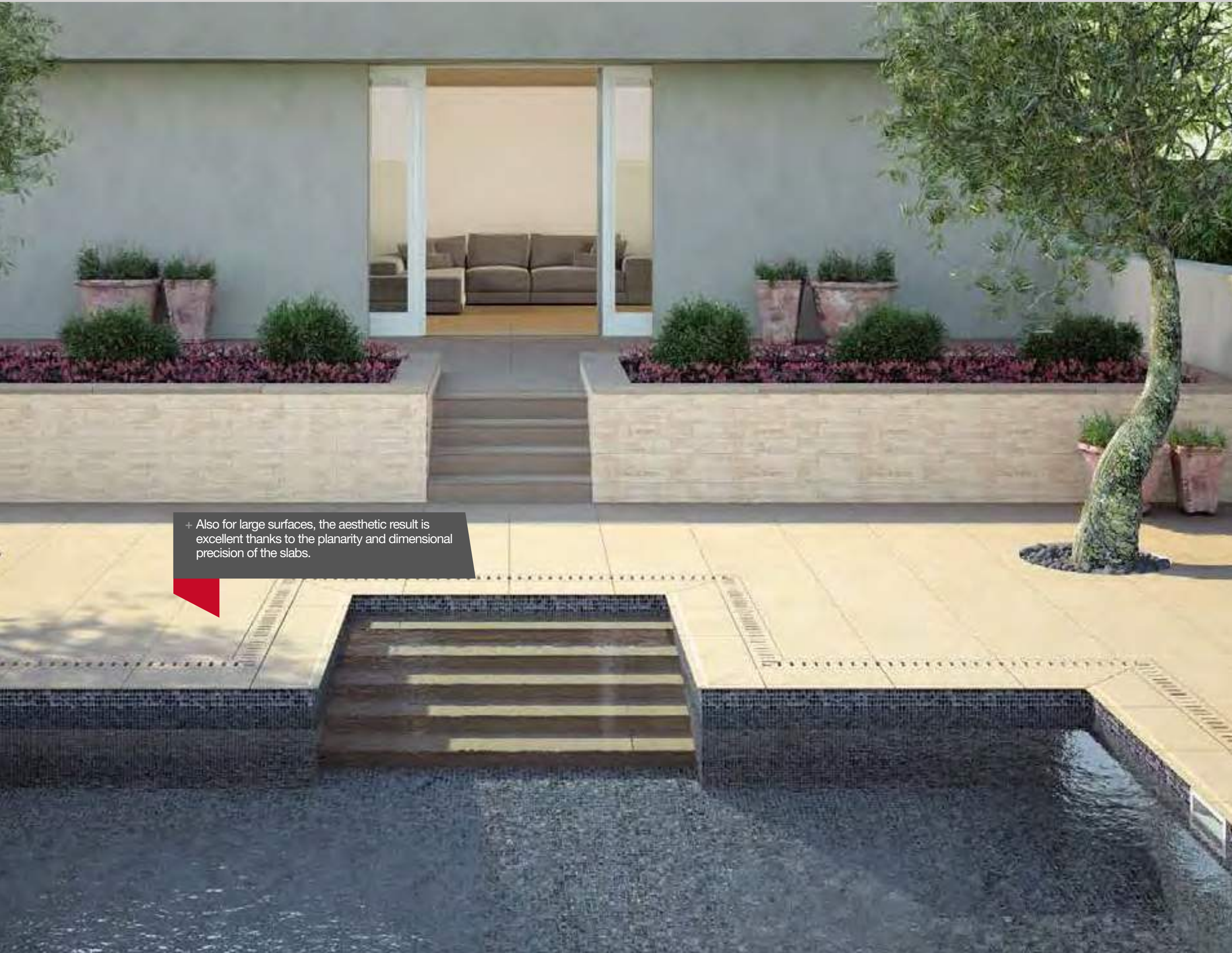
+ The surface can be cleaned using pressure washers.



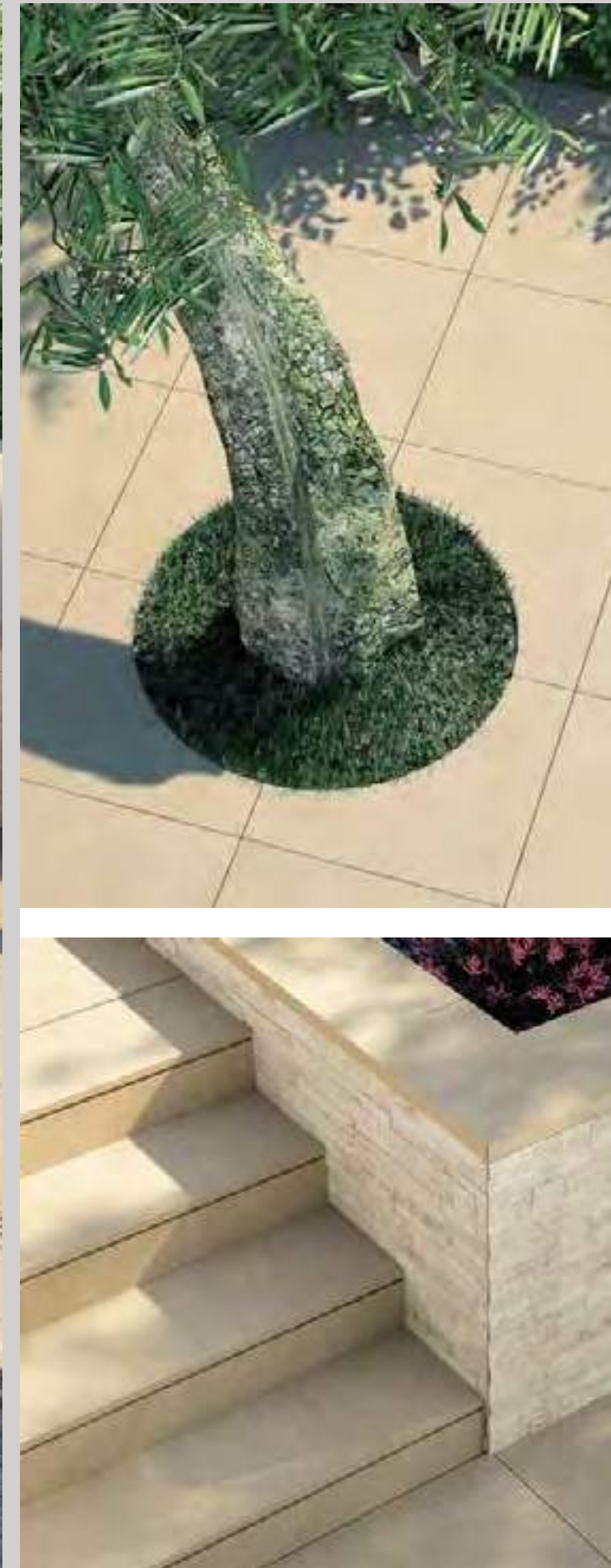


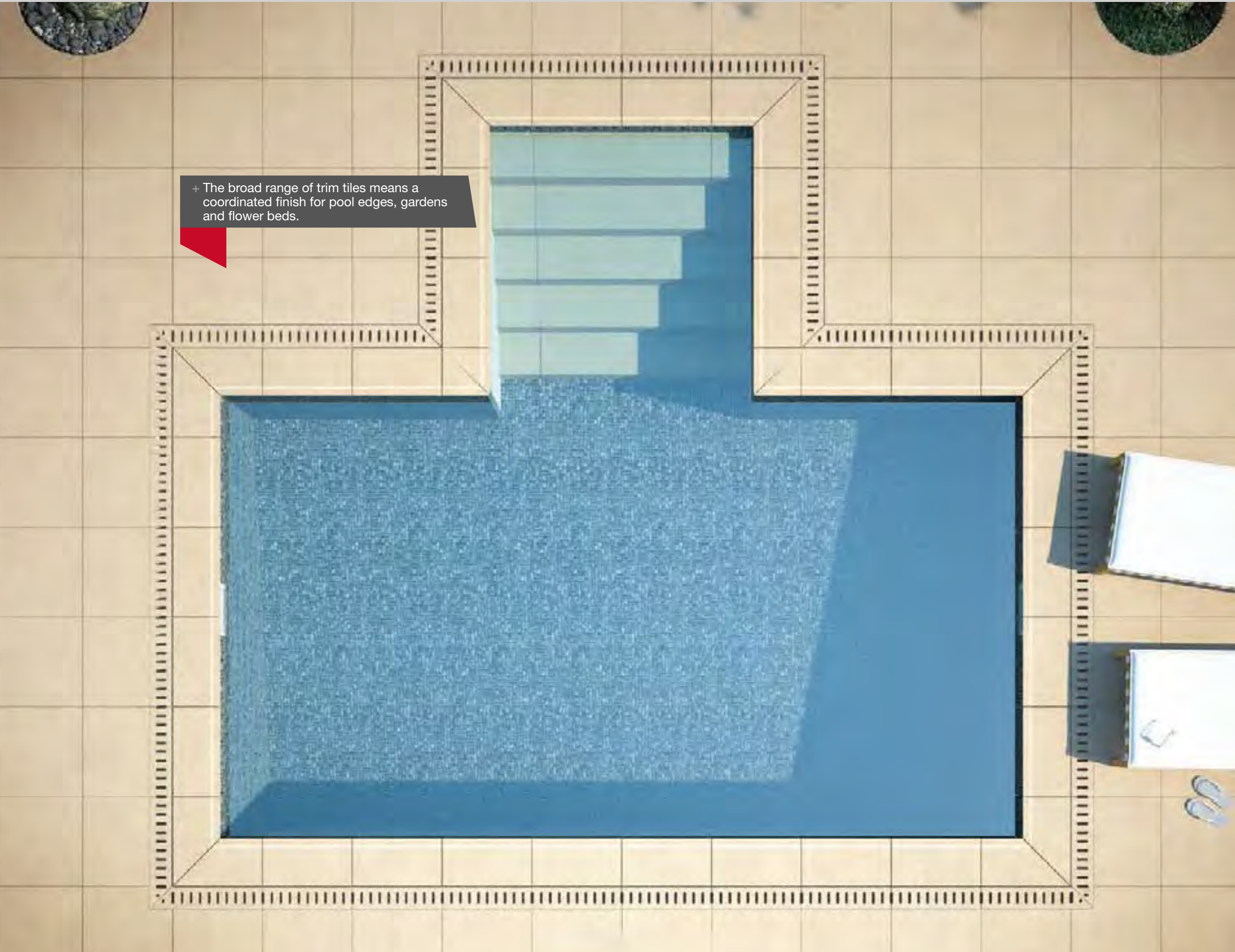
 Mirage offers a thorough range of floors with standard thickness and finishes for indoor use, in perfect coordination with the outdoor floor.  
For further information concerning indoor floor collections:  
[www.mirage.it](http://www.mirage.it)





+ Also for large surfaces, the aesthetic result is excellent thanks to the planarity and dimensional precision of the slabs.





+ The broad range of trim tiles means a coordinated finish for pool edges, gardens and flower beds.

+ In this application:

**Trim pieces Swimming pool**

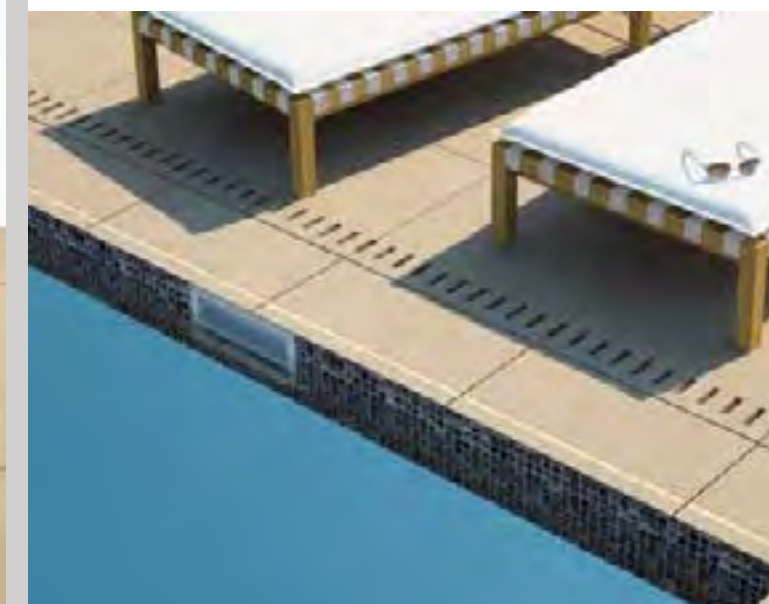
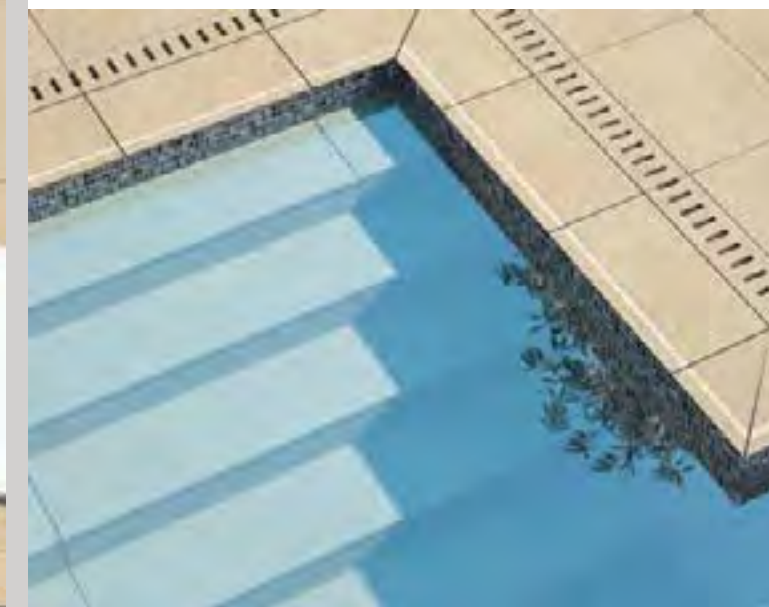
- Grip border - 30x60
- Grip corner tile DX - 30x60
- Grip corner tile SX - 30x60
- Grid 15 - 15x60
- Grid corner tile 15 DX - 15x60
- Grid corner tile 15 SX - 15x60

**Trim pieces gardening**

- Large step - 30x120
- Riser with shutter - 20x120
- Coping - 30x120

**Trim pieces Urban design**

- Flower bed (Curved corner tile 15 - 60x60)







+ Removable slabs for the maintenance of underlying structures and piping.

+ In order to meet the most varied needs, Mirage offers two types of supports: a) adjustable; b) self-levelling.

a




b



+ The support structure raises the foot plan to up to 100mm of height, allowing for the housing of electrical cables and plumbings.



+ Carriageable raised installation onto flat surfaces.

 Easy to inspect.

The gap improves thermal insulation of roof terraces.





+ The raised floor ensures a perfect drainage of the patio area.

+ Installation onto gravel using the 60x120 size, suitable for pedestrian pathways.



**+** With EVO\_2/e, it is possible to use different installation systems and combine them according to the needs.

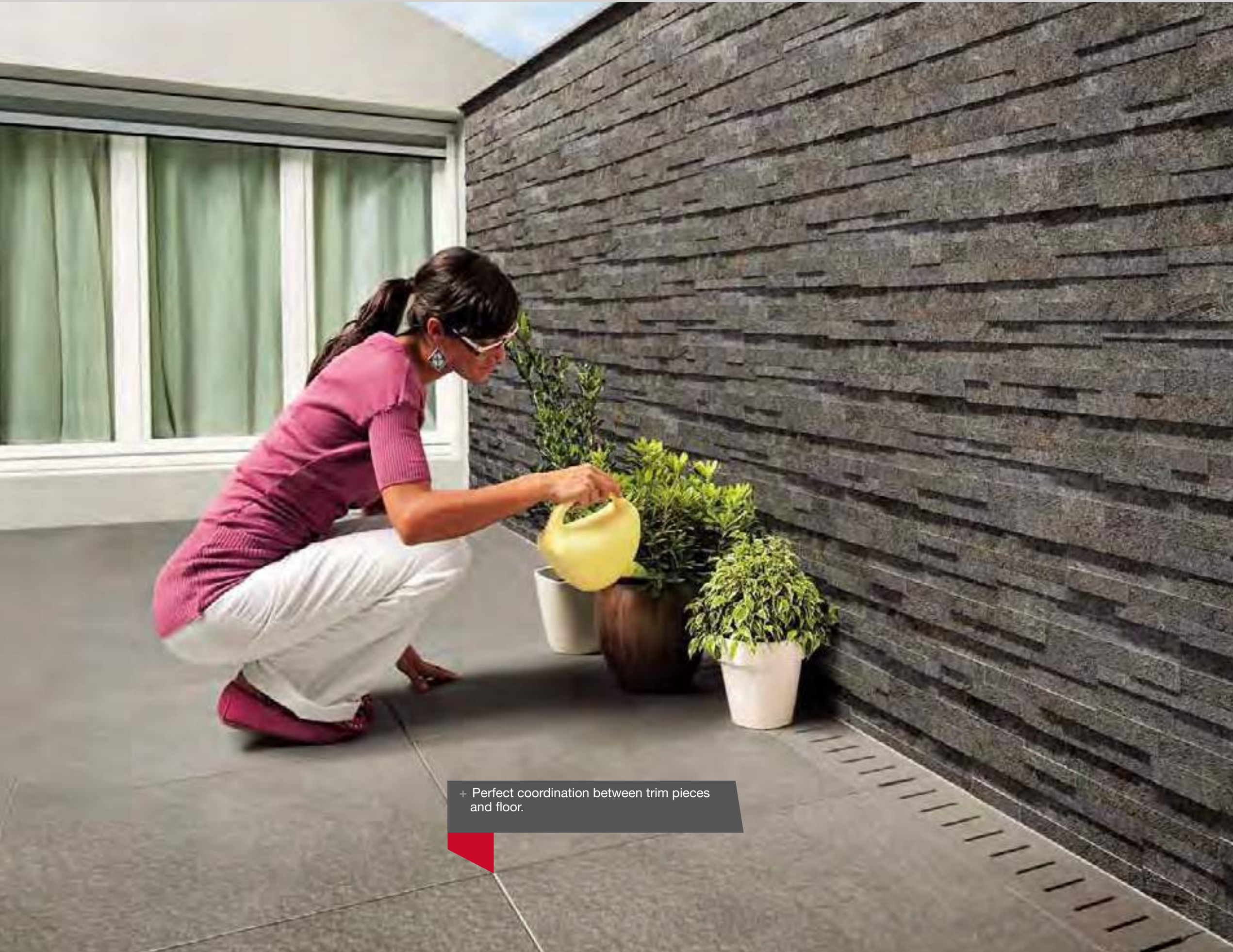
The quality and appearance of coordinated trim pieces allows a flawless finishing for steps and parapets.



**+** The new element "Coping 30x120" with "rompigoccia" surface finish, prevents the early deterioration of the underlying parapet due to moisture and rainwater.







+ Perfect coordination between trim pieces and floor.

- + The range of trims such as grid raceways for the drainage of water ensures flawless and functional finishes for terraces and patios.
- ↘ Raised floor with adjustable support.





+ The hi-tech performance of EVO\_2/e make it the perfect product for complex projects that require the utmost application versatility.



+ EVO\_2/e range allows the use of more than one size on the same floor.

**+** EVO\_2/e range offers the opportunity to create multi-size installation patterns giving the floor a sought-after and refined appeal.

The modules include the 60x60, 60x120, 30x60 and 30x120 sizes. The 30x60 and 30x120 sizes are trims obtained via special cutting.





+ Steps and trim tiles to create stairs coordinated with the floor.





+ Carriageable floor installation onto footing

+ Mirage porcelain stoneware, a product manufactured using the most evolved technology, is one of the most resistant and compact materials available on the market.

+ The surface does not absorb oil or petrol residues.



STAIR TRIM RANGE

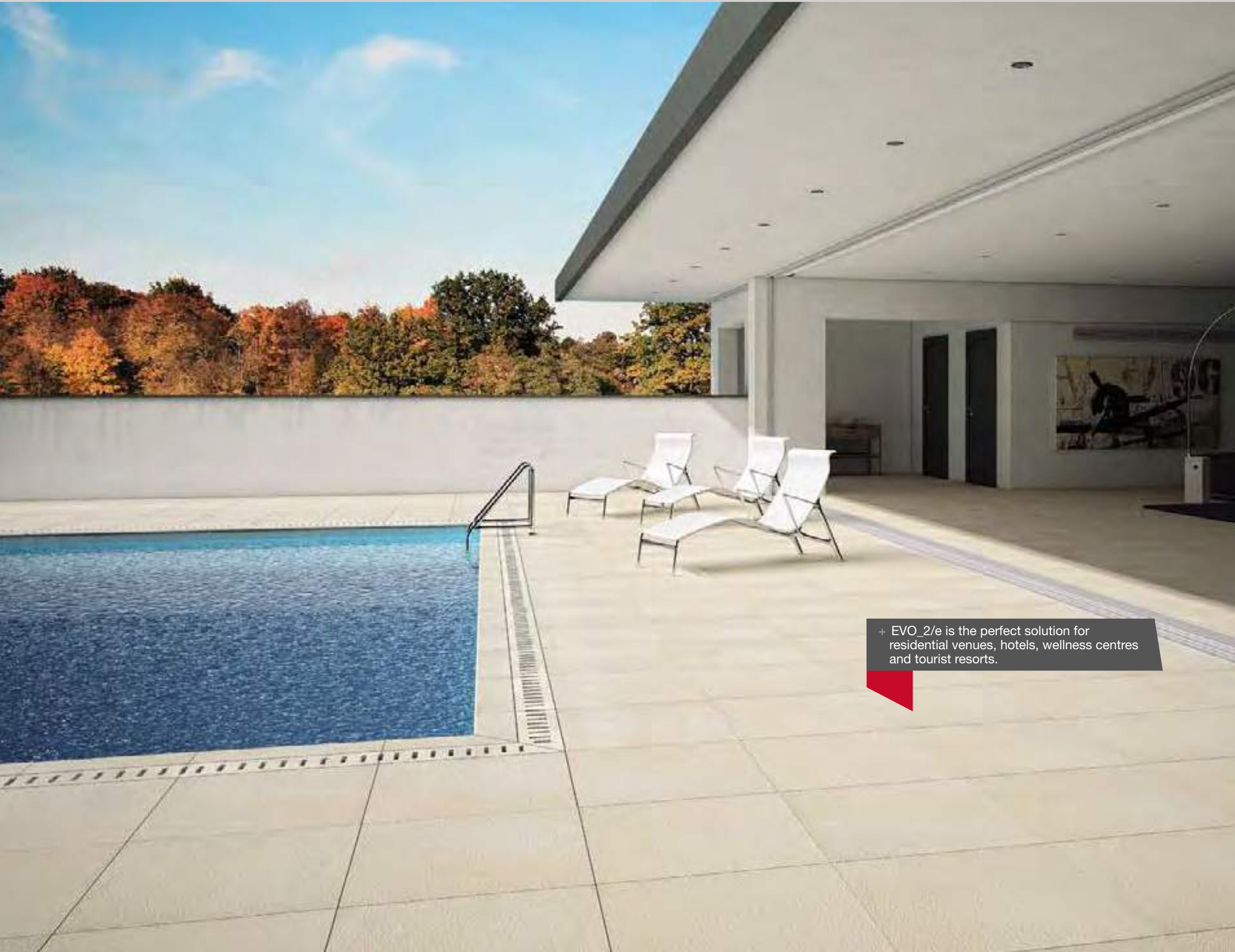
- Riser with shutter - 20x120
- Large step - 30x120
- Large step grip - 30x120






+ The special trim for flower beds guarantees perfectly coordinated finishing elements.





+ EVO\_2/e is the perfect solution for residential venues, hotels, wellness centres and tourist resorts.

 EVO 2/e sets itself apart thanks to its comprehensive trim pieces range that includes grids, straight and angular pool edges that can be perfectly coordinated with the slabs for solarium flooring.





 SKIMMER EDGE



+ Border in a skimmer swimming pool, where the water level is 10-15cm below the pool edge.





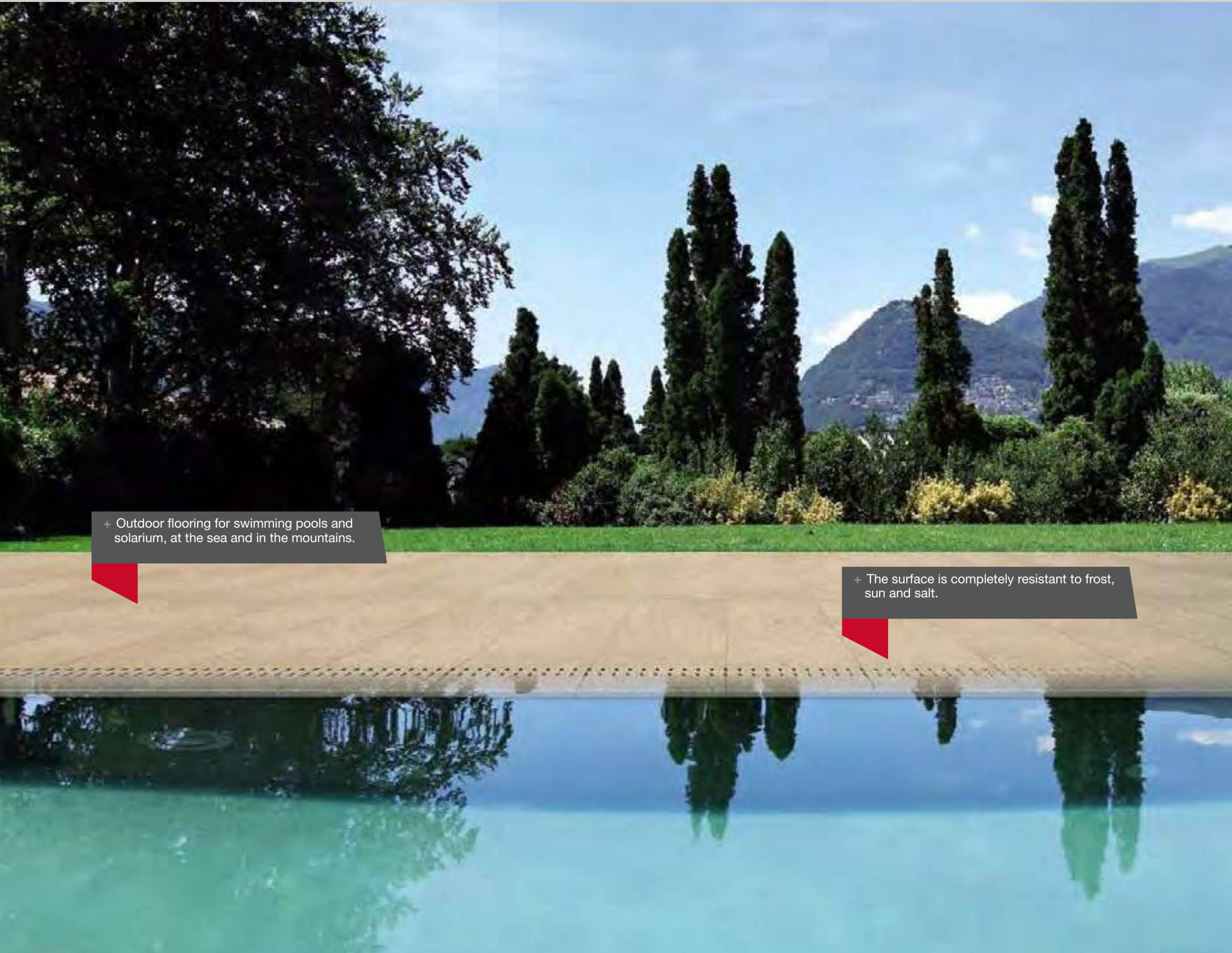
↙ DECK-LEVEL  
SWIMMING POOL



+ For deck-level swimming pools, EVO\_2/e range offers various solutions for edge and trunking.


+ Deck-level solutions






+ Outdoor flooring for swimming pools and solarium, at the sea and in the mountains.

+ The surface is completely resistant to frost, sun and salt.

 The slabs, thanks to their structure, meet safety requirements even when walking barefoot on a wet surface.

 Anti-Slip  
DIN 51130: R11  
DIN 51097: A+B+C.






+ Thanks to the trims in the range, it is possible to cover benches and flower beds in coordination with the floor.



+ The new element "Coping 30x120" with "rompigoccia" surface finish, avoids the deterioration of the underlying parapet caused by moisture and rainwater.

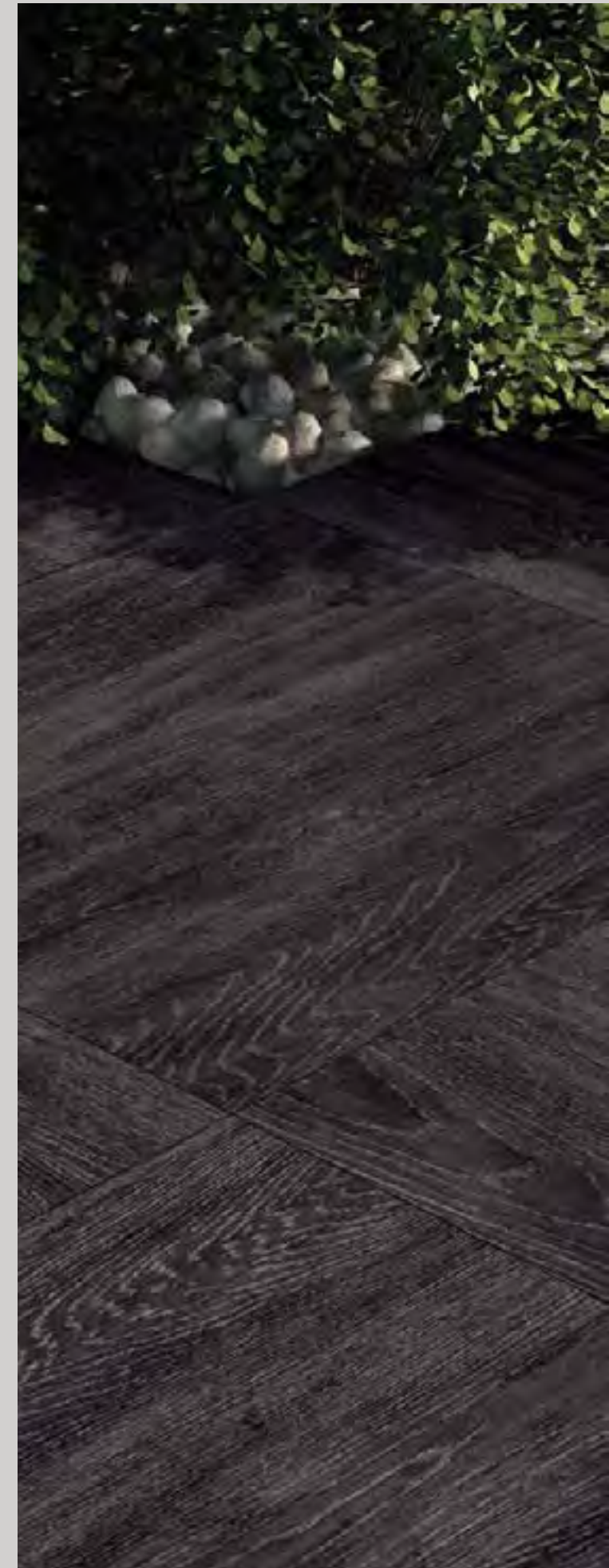




 Some colour of EVO 2/e are characterised by neutral hues and elegant shading reproducing the veining typical of natural stones, therefore creating a material that is precious and varied.












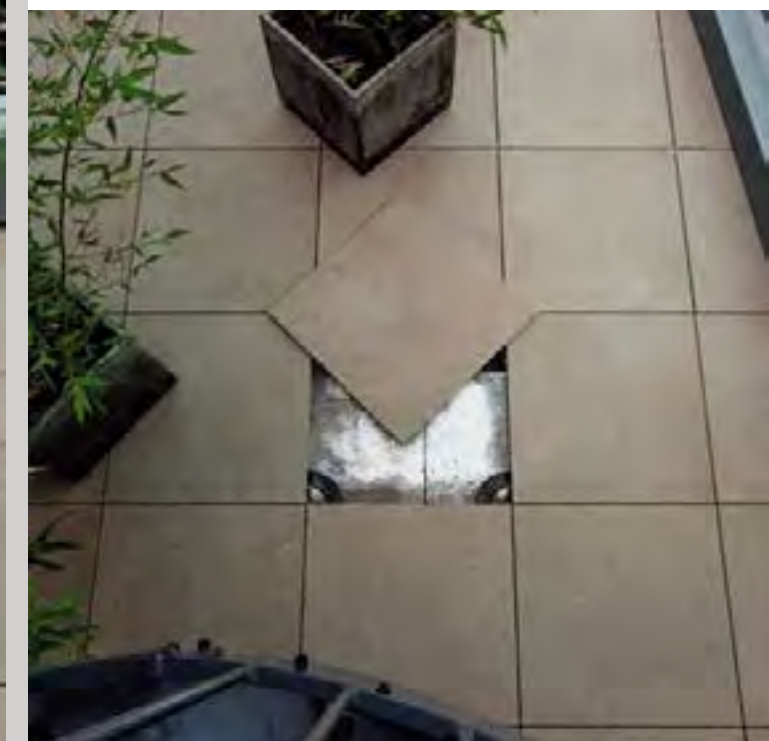
+ Easy to clean, it does not stain with drink and food residue.

 Aesthetic characteristics that do not change over time and are resistant to adverse weather and foot traffic.

Modern colours, natural and sought-after surfaces.

Anti-slip R11 surface finishes to guarantee the utmost safety.







+ Resistant to thermal shock.  
-50° / +60°



+ The special element for flower beds offers the maximum appeal and functionality in a reduced space.

+ EVO\_2/e is frost resistant even at extreme temperatures.





+ Installation onto footing.

+ The technical performance of Mirage porcelain stoneware and the thoroughness of the range allow for the creation of perfectly coordinated solutions.

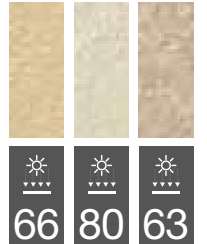
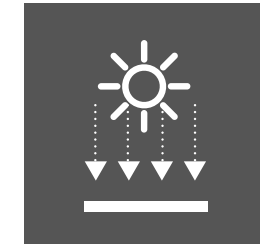


+ An alternative to traditional materials:  
it is resistant to salt, sun, moisture  
and thermal shock.

+ Thanks to slabs weighing 34 kg each, once  
installed, the pathway created with 60x120  
slabs ensures the utmost stability.



+ SRI (Solar Reflectance Index) ranging between 60 and 80% allows EVO\_2/e to reduce the surface heating.



### SRI

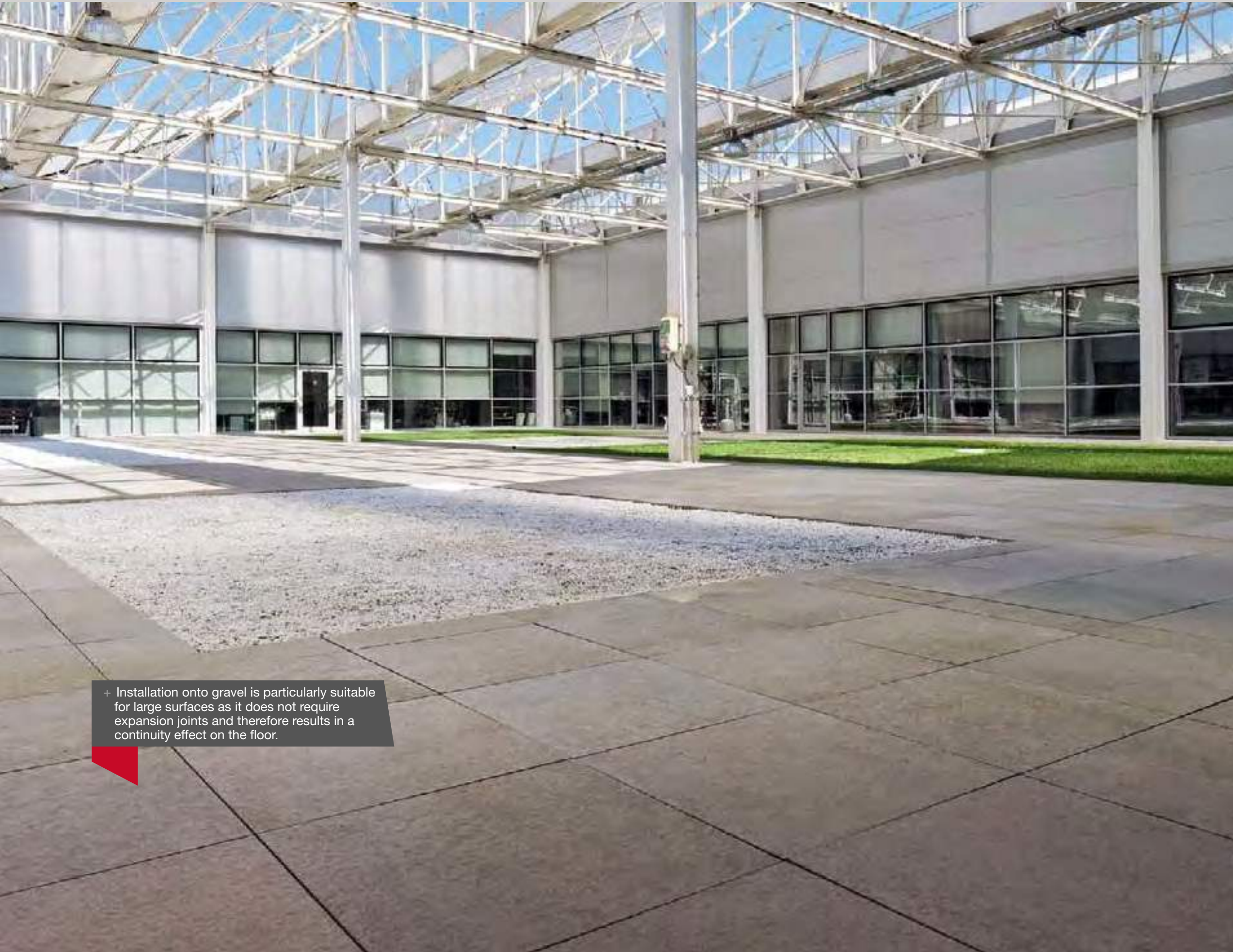
Solar Reflectance Index /  
indice di riflettanza solare  
60-80%

### SRI VALUES


+ We recommend the use of bright colours that, thanks to their high solar reflectance index, do not overheat compared to slabs of darker colours.

+ Anti-slip R11 A+B+C surface finish, safe even when walking bare foot on a wet surface.





+ Installation onto gravel is particularly suitable for large surfaces as it does not require expansion joints and therefore results in a continuity effect on the floor.

 The sought-after design of EVO\_2/e naturally harmonises with contemporary architecture projects.

Thanks to the large size (60x120 – 60x60) the slabs are the perfect flooring for large surfaces.








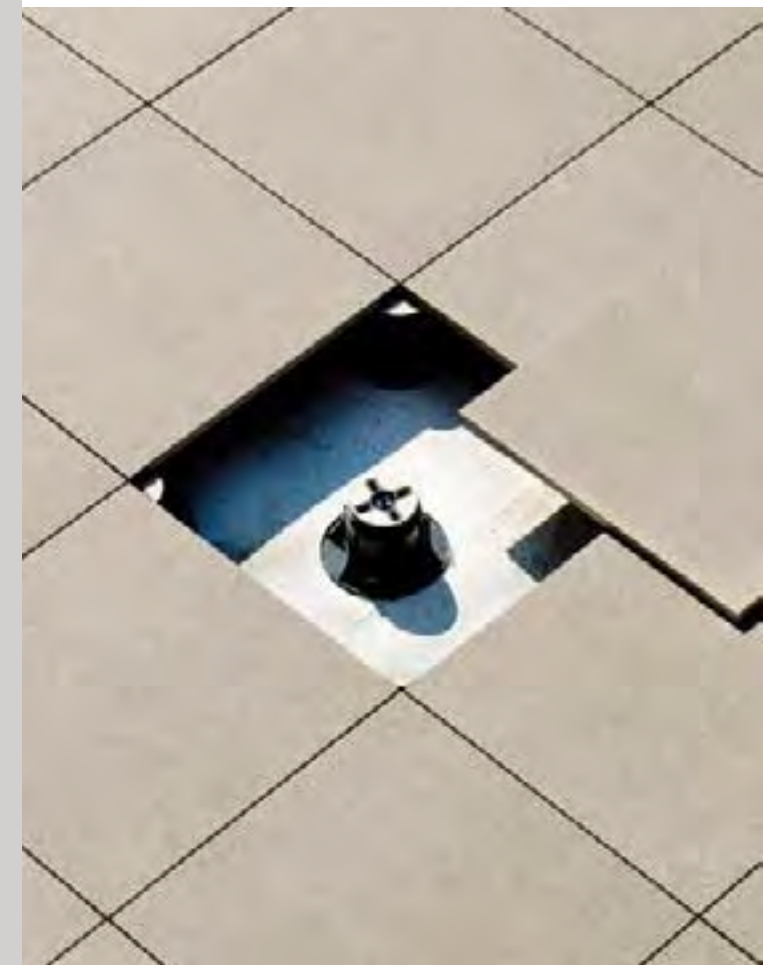




+ Urban design with style: lanes, squares and outdoor areas deserve a special planning solution, even when it comes down to the choice of innovative flooring systems.

 Mirage porcelain stoneware is the perfect product for public areas, thanks to its easy cleaning too.







**FLOWER BOX**

The flower box, like the other urban design elements, can be integrated into any installation solution using the 60x60 or 60x120 sizes with a modular pattern.

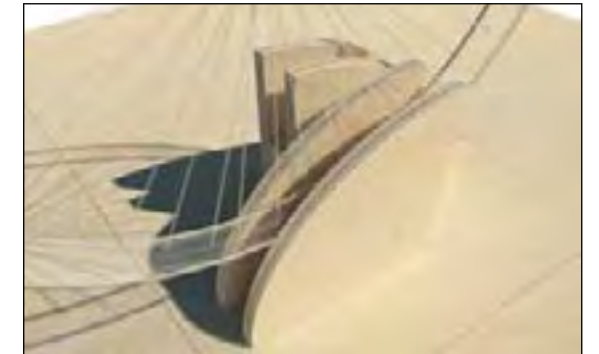


+ Flower box

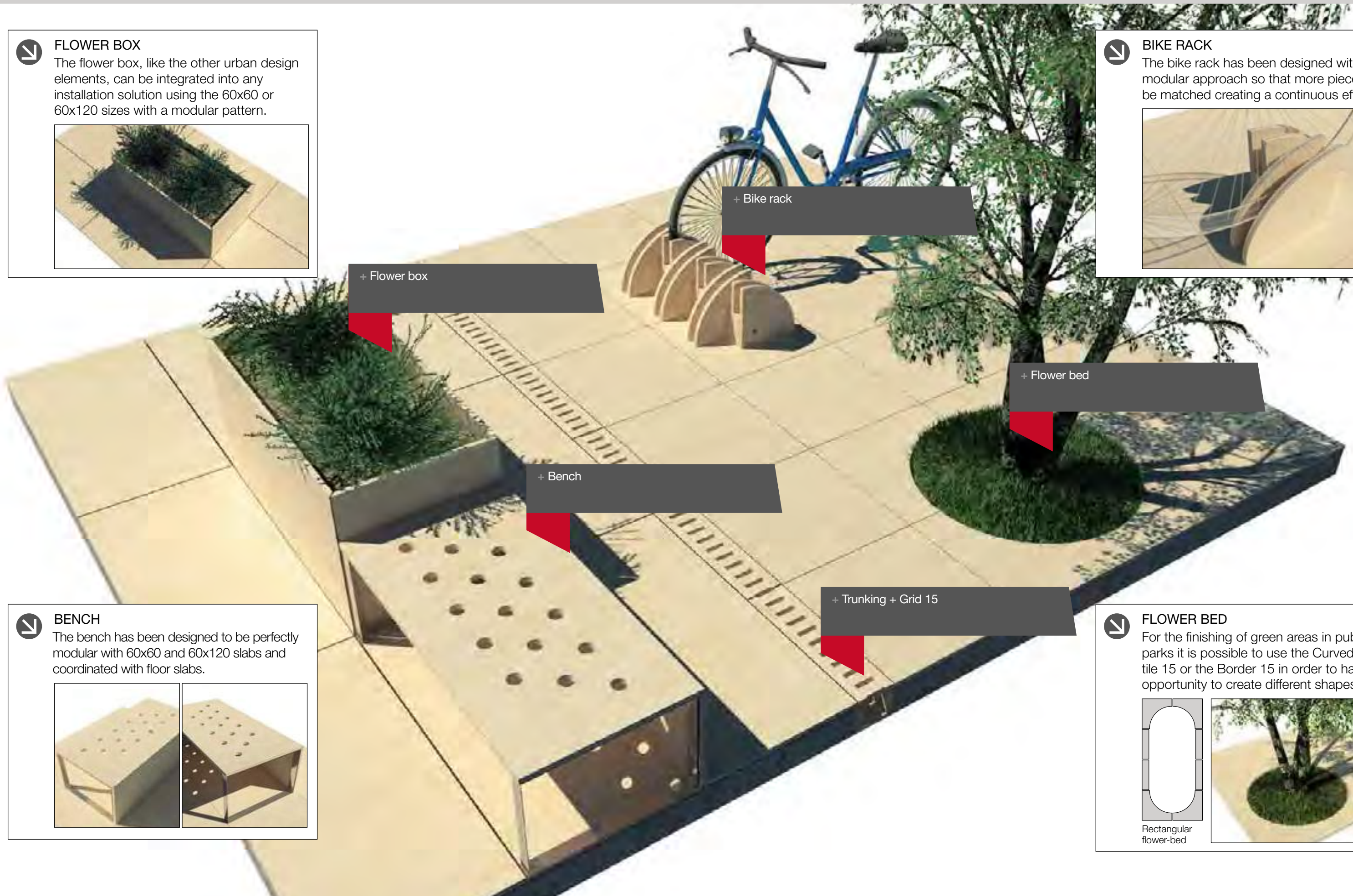


**BIKE RACK**

The bike rack has been designed with a modular approach so that more pieces can be matched creating a continuous effect.



+ Bike rack



+ Flower bed

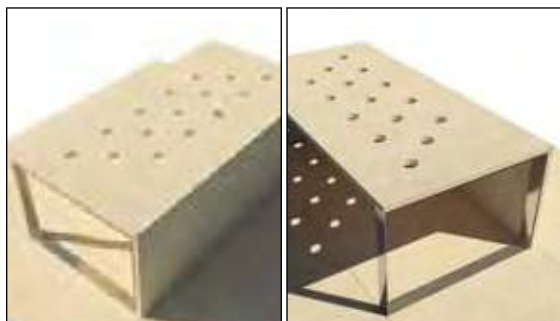
+ Bench

+ Trunking + Grid 15



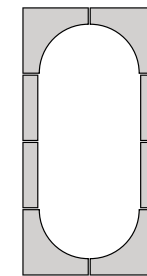
**BENCH**

The bench has been designed to be perfectly modular with 60x60 and 60x120 slabs and coordinated with floor slabs.



**FLOWER BED**

For the finishing of green areas in public parks it is possible to use the Curved corner tile 15 or the Border 15 in order to have the opportunity to create different shapes.



Rectangular flower-bed



# PRODUCT RANGE TECHNICAL INFORMATION



ESPRIT



Cremo Delicato **EP 01**



Cremo Delicato **EP 01**  
60x120 - 24"x48"  
ST SQ 20 mm

Cremo Delicato **EP 01**  
60x60 - 24"x24"  
ST SQ 20 mm



Pietra Piasentina **EP 02**



Pietra Piasentina **EP 02**  
60x120 - 24"x48"  
ST SQ 20 mm

Pietra Piasentina **EP 02**  
60x60 - 24"x24"  
ST SQ 20 mm

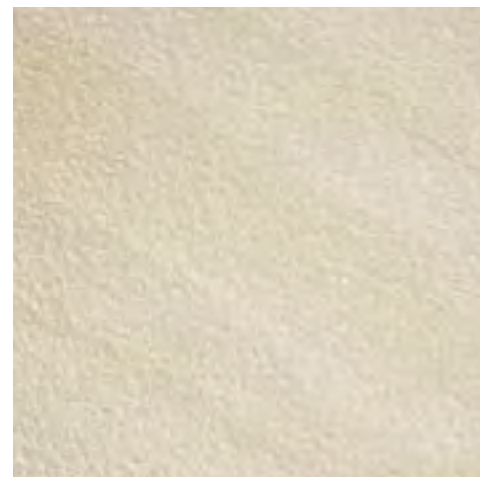


Lagos Grey **EP 03**



Lagos Grey **EP 03**  
60x120 - 24"x48"  
ST SQ 20 mm

Lagos Grey **EP 03**  
60x60 - 24"x24"  
ST SQ 20 mm



Crema Luna **EP 04**



Crema Luna **EP 04**  
60x120 - 24"x48"  
ST SQ 20 mm

Crema Luna **EP 04**  
60x60 - 24"x24"  
ST SQ 20 mm

TENELEVEN



Chambrod **SO 05**



Chambrod **SO 05**  
60x120 - 24"x48"  
ST SQ 20 mm

Chambrod **SO 05**  
60x60 - 24"x24"  
ST SQ 20 mm  
HY-PRO<sup>24</sup>

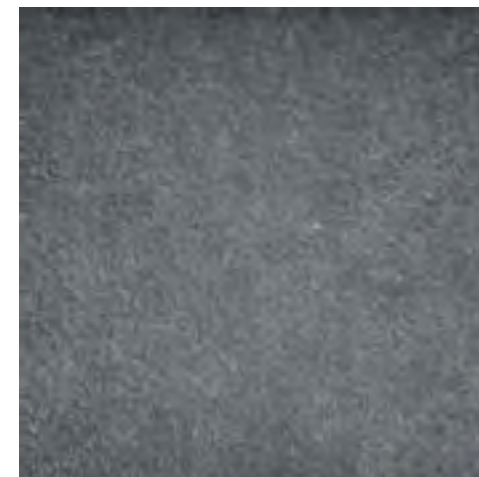


Pierre Bleue **SO 10**



Pierre Bleue **SO 10**  
60x120 - 24"x48"  
ST SQ 20 mm

Pierre Bleue **SO 10**  
60x60 - 24"x24"  
ST SQ 20 mm  
HY-PRO<sup>24</sup>



Pierre Bleue Sablée **SO 11**



Pierre Bleue Sablée **SO 11**  
60x120 - 24"x48"  
ST SQ 20 mm

Pierre Bleue Sablée **SO 11**  
60x60 - 24"x24"  
ST SQ 20 mm  
HY-PRO<sup>24</sup>

LAB\_21



Lab\_mou **LB 04**



Lab\_mou **LB 04**  
60x60 - 24"x24"  
ST SQ 20 mm



Lab\_fog **LB 07**



Lab\_fog **LB 07**  
60x60 - 24"x24"  
ST SQ 20 mm

QUARZITI\_2.0



Mountain  
QR 02



Mountain QR 02  
60x60 - 24"x24"  
NAT SQ  $\square$  20 mm



Waterfall  
QR 03



Waterfall QR 03  
60x60 - 24"x24"  
NAT SQ  $\square$  20 mm



Mantle  
QR 05

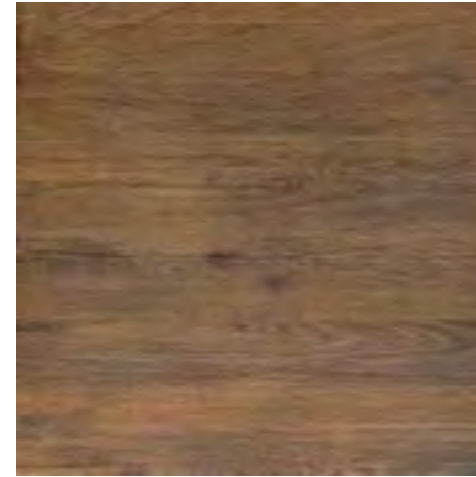


Mantle QR 05  
60x60 - 24"x24"  
NAT SQ  $\square$  20 mm

QUARZITI\_2.0 - Shade variation



SUNDECK

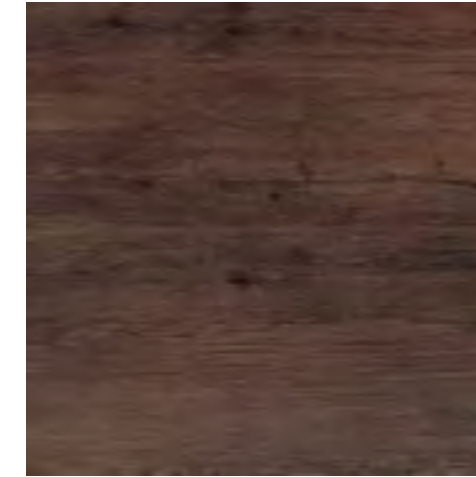


Origin  
SD 01



Origin SD 01  
30x120 - 12"x48"  
RD SQ  $\square$  20 mm

Origin SD 01  
60x60 - 24"x24"  
RD SQ  $\square$  20 mm  
HY-PRO<sup>24</sup>



Classic  
SD 02



Classic SD 02  
30x120 - 12"x48"  
RD SQ  $\square$  20 mm

Classic SD 02  
60x60 - 24"x24"  
RD SQ  $\square$  20 mm  
HY-PRO<sup>24</sup>



Spirit  
SD 03



Spirit SD 03  
30x120 - 12"x48"  
RD SQ  $\square$  20 mm

Spirit SD 03  
60x60 - 24"x24"  
RD SQ  $\square$  20 mm  
HY-PRO<sup>24</sup>

**HY-PRO<sup>24</sup>**  
hygienic protection and green living

thanks to the innovative HY-PRO<sup>24</sup> treatment, Sundeck guarantees an improvement in the quality of air surrounding the tiled surface, with an eco-active action that can be compared to that of a medium-sized tree for every square metre of tiled area, both in public and residential venues, indoors and outdoors. Sundeck in the HY-PRO<sup>24</sup> version becomes a hygienic, anti-bacterial and anti-pollution product thanks to its eco-active features that last for a considerable time, limiting its maintenance to ordinary cleaning.

# SPECIAL PIECES

ALLWAYS



Fence  
**AW 01**



Fence **AW 01**  
60x60 - 24"x24"  
PL SQ 20 mm



Cabin  
**AW 03**



Cabin **AW 03**  
60x60 - 24"x24"  
PL SQ 20 mm



Bench  
**AW 05**



Bench **AW 05**  
60x60 - 24"x24"  
PL SQ 20 mm



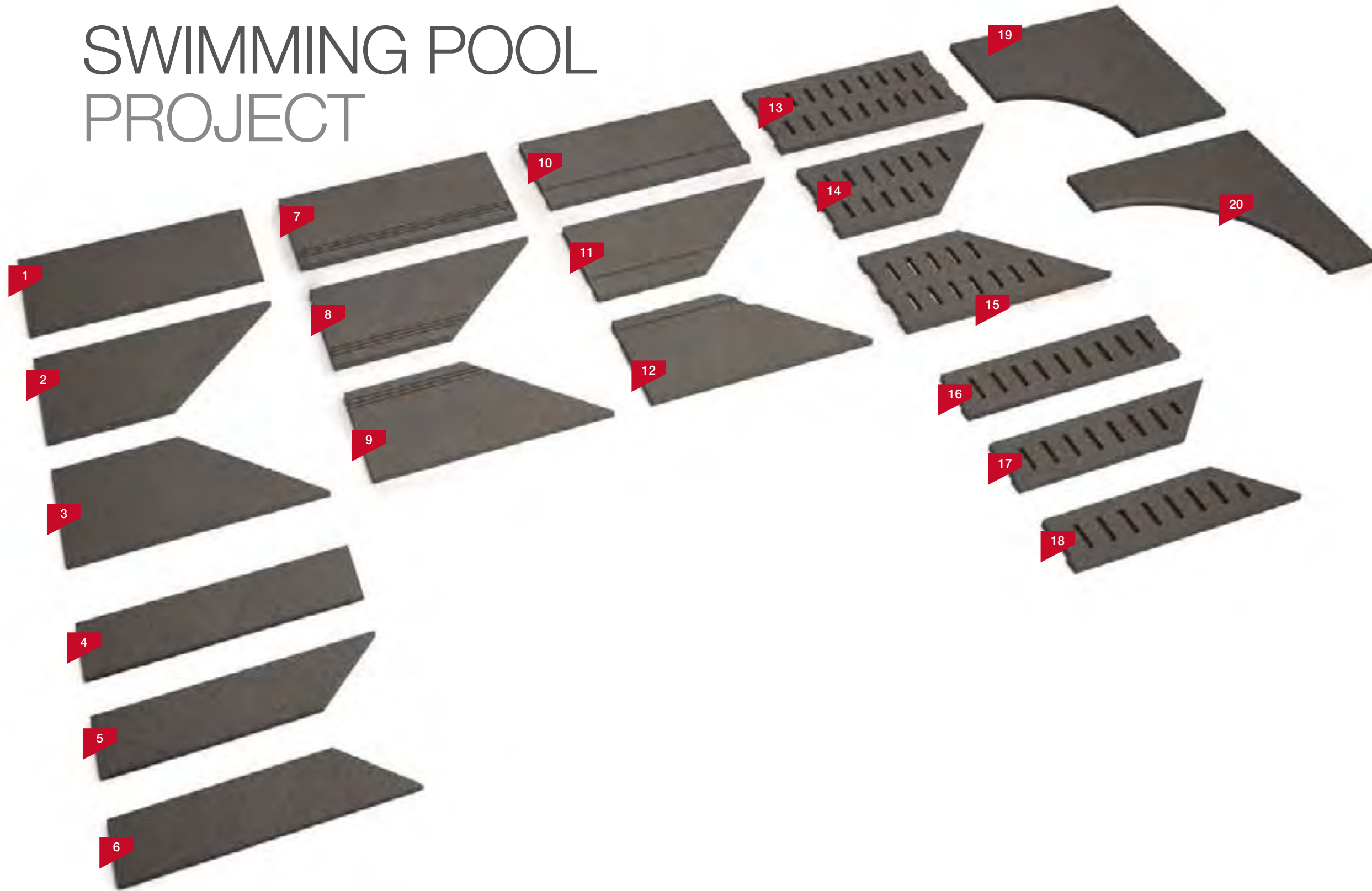
Boat  
**AW 07**



Boat **AW 07**  
60x60 - 24"x24"  
PL SQ 20 mm



# SWIMMING POOL PROJECT



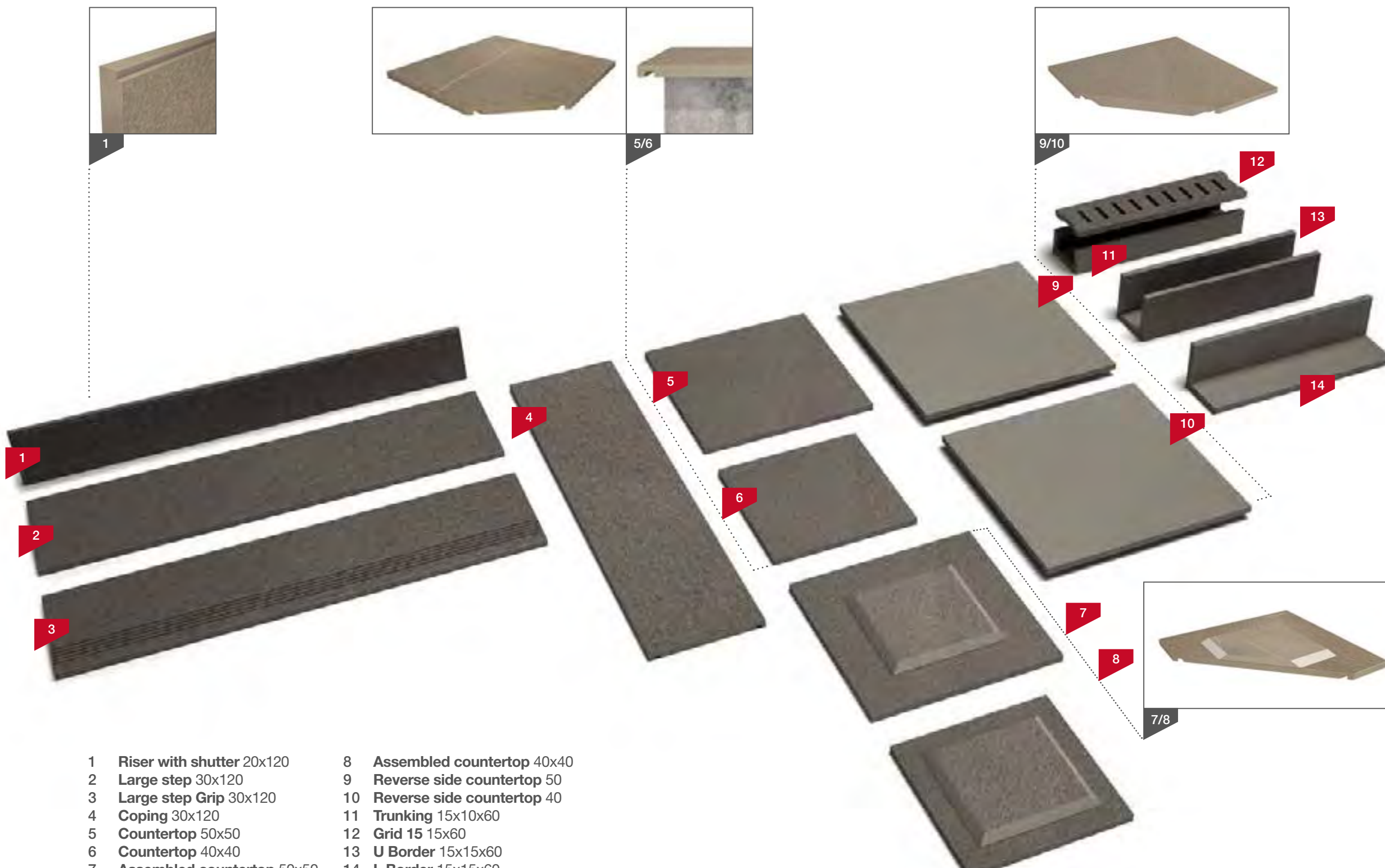
- 1 Straight border 30 - 30x60
- 2 Straight corner tile 30 DX - 30x60
- 3 Straight corner tile 30 SX - 30x60
- 4 Straight border 15 - 15x60
- 5 Straight corner tile 15 DX - 15x60
- 6 Straight corner tile 15 SX - 15x60
- 7 Grip border - 30x60
- 8 Grip corner tile DX - 30x60
- 9 Grip corner tile SX - 30x60
- 10 Countersunk border - 30x60
- 11 Countersunk corner tile DX - 30x60
- 12 Countersunk corner tile SX - 30x60
- 13 Grid 30 - 30x60
- 14 Grid corner tile 30 DX - 30x60
- 15 Grid corner tile 30 SX - 30x60
- 16 Grid 15 - 15x60
- 17 Grid corner tile 15 DX - 15x60
- 18 Grid corner tile 15 SX - 15x60
- 19 Curved corner tile 30 - 60x60
- 20 Curved corner tile 15 - 60x60

	SG.R. 25 16x30	AI 2x16	SE 2x16	COVE 60x8x13	AI 8x8x13	SE 60x60x8
ESPRIT				●	●	●
TENELEVEN	●	●	●			
LAB_21	●	●	●			
QUARZITI_2.0	●	●	●			

## AVAILABLE TRIM TILES

	EP 01 Crema Delicata	EP 02 Pietra Piasentina	EP 03 Lagos grey	EP 04 Crema Luna	SO 05 Chambrod	SO 10 Pierre Bleue	SO 11 Pierre Bleue Sablée	LB 04 Lab_mou	LB 07 Lab_log	QR 02 Mountain	QR 03 Waterfall	QR 05 Marble	SD 01 Origin	SD 02 Classic	SD 03 Sprit
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
11	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
13	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
17	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
19	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

# GARDENING TRIM RANGE



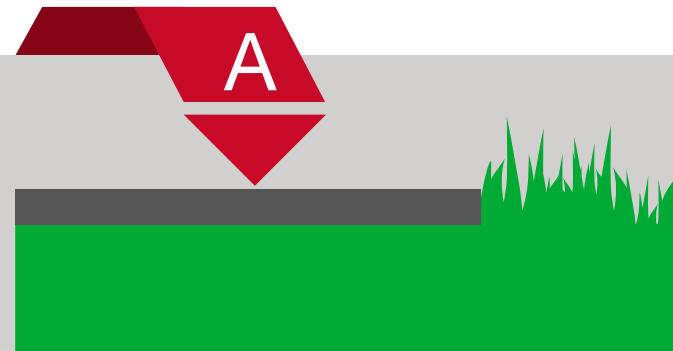
- 1 Riser with shutter 20x120
- 2 Large step 30x120
- 3 Large step Grip 30x120
- 4 Coping 30x120
- 5 Countertop 50x50
- 6 Countertop 40x40
- 7 Assembled countertop 50x50
- 8 Assembled countertop 40x40
- 9 Reverse side countertop 50
- 10 Reverse side countertop 40
- 11 Trunking 15x10x60
- 12 Grid 15 15x60
- 13 U Border 15x15x60
- 14 L Border 15x15x60

## AVAILABLE TRIM TILES

	EP 01 Crema Delicata	EP 02 Pietra Piasentina	EP 03 Lagos grey	EP 04 Crema Luna	SO 05 Chambrod	SO 10 Pierre Bleue	SO 11 Pierre Bleue Sablée	LB 04 Lab_mou	LB 07 Lab_fog	QR 02 Mountain	QR 03 Waterfall	QR 05 Mantle	SD 01 Origin	SD 02 Classic	SD 03 Spirit
1	•	•	•	•	•	•	•								
2	•	•	•	•	•	•	•								
3	•	•	•	•	•	•	•								
4	•	•	•	•	•	•	•								
5	•	•	•	•	•	•	•								
6	•	•	•	•	•	•	•								
7	•	•	•	•	•	•	•								
8	•	•	•	•	•	•	•								
9	•	•	•	•	•	•	•								
10	•	•	•	•	•	•	•								
11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

# INSTALLATION ONTO GRASS

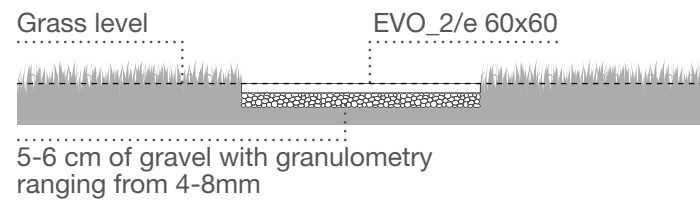
## HOW TO INSTALL THE "STEPPING STONES"



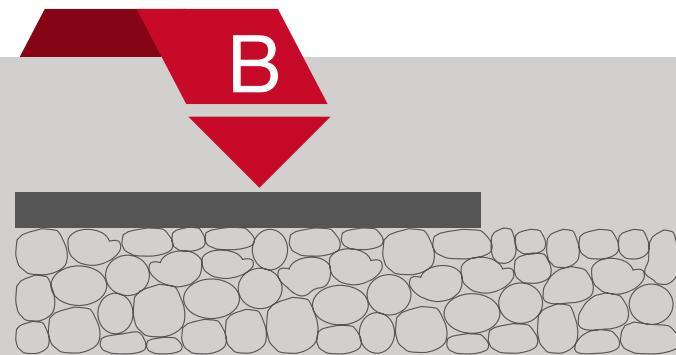
⊕ To create a floor and install the slabs with the "stepping stones" pattern, it is important to consider the necessary number of steps to complete the path and install the slabs at regular intervals.

To guarantee the maximum stability, we recommend dragging 5-6 cm and adding a layer of fine gravel with a granulometry of 4 and 8mm, then compacting the substrate before placing the slabs.

The slabs must not be laid so that they are higher than the grass level in order not to damage lawn-mowers.



# INSTALLATION ONTO GRAVEL OR SAND



## GRAVEL (GROUND)



- 1 Evo\_2/E 60x60
- 2 5-6 cm of gravel with granulometry ranging from 4-8mm
- 3 Honeycomb mat- "Troba" panel - Schlüter Systems
- 4 Drainage layer
- 4 Ground

## GRAVEL (FLOOR) INSTALLATION ONTO FLAT SURFACES

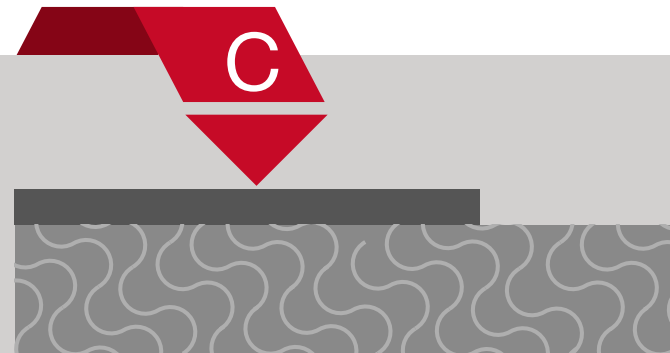


- 1 Evo\_2/E 60x60
- 2 Ballast (gravel)
- 3 Honeycomb mat- "Troba" panel - Schlüter Systems
- 4 Partition layer
- 5 Thermal-insulating element
- 6 Water-proof layer
- 7 Inclination footing
- 7 Floor



The stratigraphies shown are purely an indication of the possible types of application: we recommend referring to the specific regulations in every single country in order to obtain a state-of-the-art floor installation.

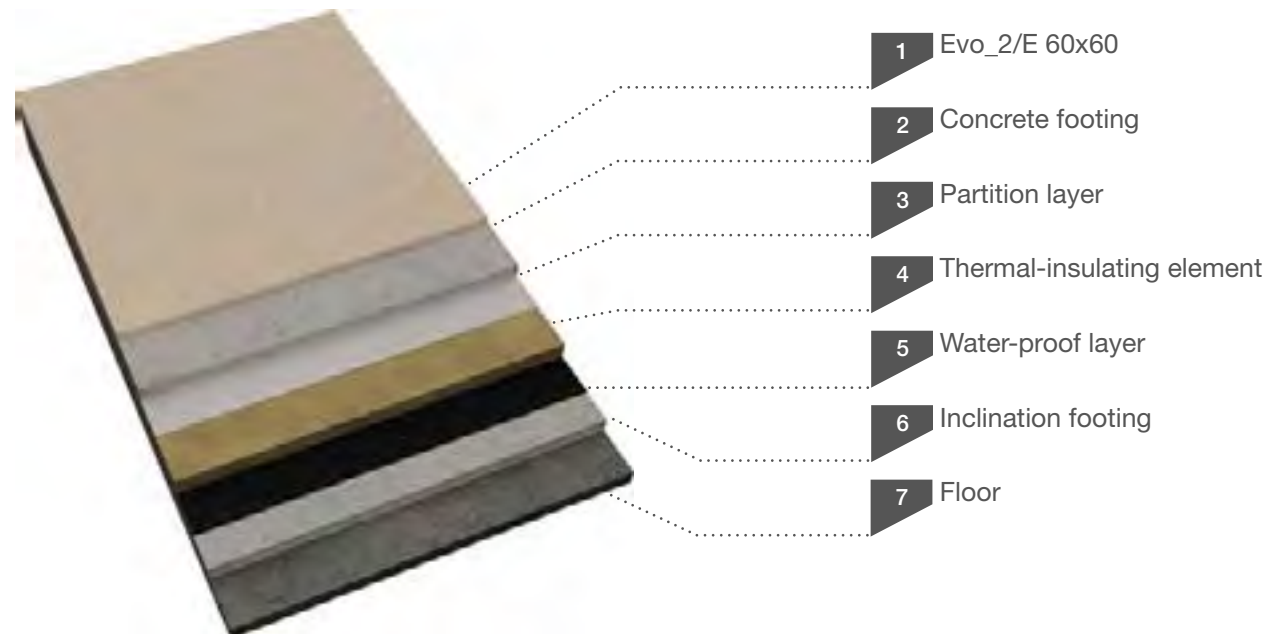
# ADHESIVE INSTALLATION ONTO FOOTING



## FOOTING (GROUND)

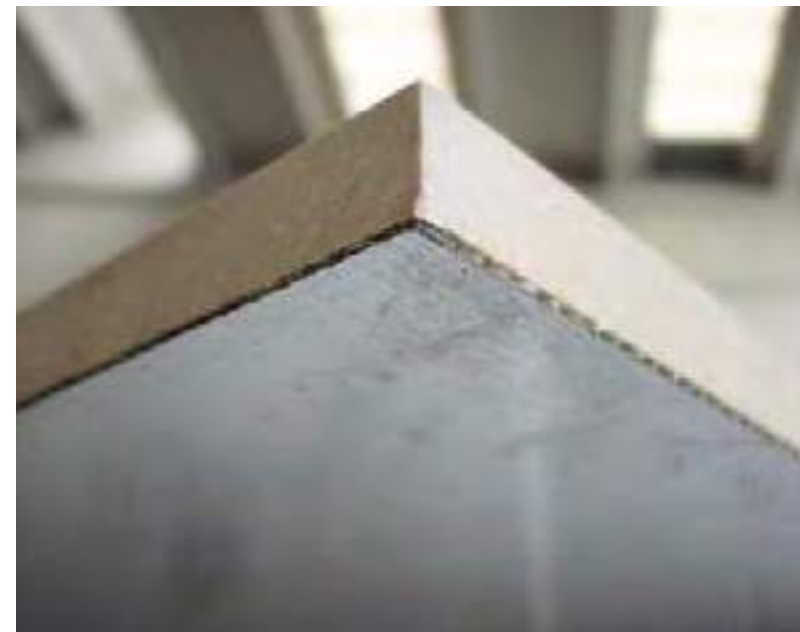
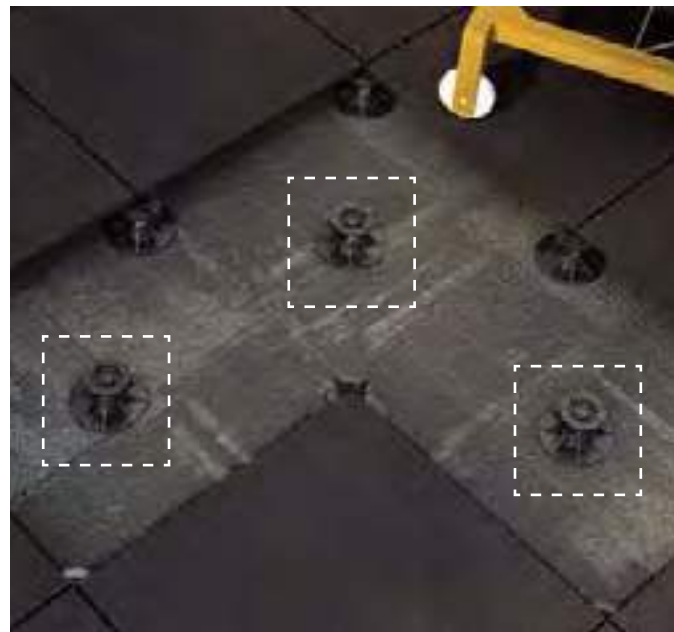
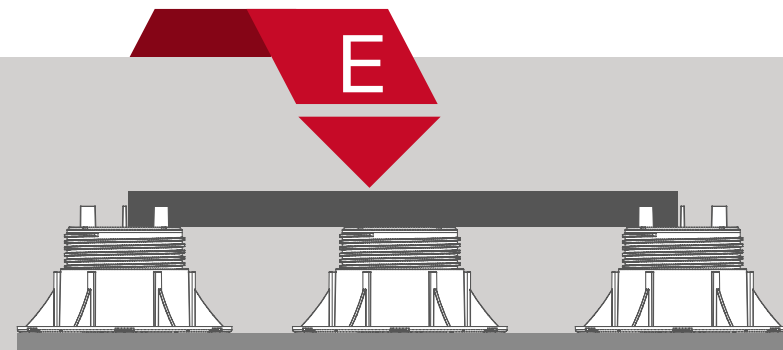


## FOOTING (FLOOR) INSTALLATION ONTO FLAT SURFACES



The stratigraphies shown are purely an indication of the possible types of application: we recommend referring to the specific regulations in every single country in order to obtain a state-of-the-art floor installation.

# RAISED INSTALLATION ONTO FLAT SURFACES



## EVO 2/E: WARNINGS FOR LAYING ON RAISED FLOORS

### Size 60x60 – 20 mm thickness

When laying 60x60, 20 mm thick slabs in raised applications, it is advisable to maintain a **maximum** raised height of 10 cm from the tread surface. With a view to maintaining the highest quality standards and guaranteeing the raised laying of only the tile in full safety, Mirage also recommends the use of a central foot on the 60x60 during laying operations, in order to correctly distribute the stress from various types of loads on the tread surface. It is in any case possible to lay 60x60 20 mm thick tiles at heights of more than 10 cm **by gluing** the lower part of the slab to a **fibre glass mesh or galvanised steel sheet, depending on the required height.**

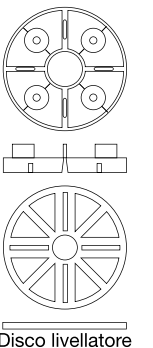
### Size 60x120 – 20 mm thickness

Size 60x120 with 20 mm thickness is considered suitable for laying on screed, gravel, sand, grass or supports at a maximum height of 2 cm, using 6 supports per slab (3.3 supports/m<sup>2</sup>) in order to distribute loads uniformly. For **raised laying between 2 and 10 cm** a fibre glass mesh must be applied to the lower part of the slab. A raised floor of more than 10 cm **is subject to the application of a galvanised steel sheet on the rear of the slab.**

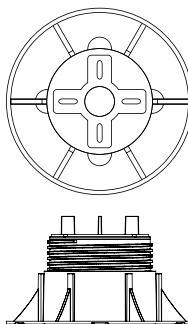
### Size 30x120 – 20 mm thickness

Size 30x120 with 20 mm thickness is considered suitable for laying on screed, gravel, grass or sand. The use of size 30x120 in 20 mm is allowed for raised floors of up to 10 cm using 6 supports per slab (6 supports/m<sup>2</sup>) and applying a galvanised steel sheet to the rear of the slab. **Size 30x120 cannot be laid at heights of more than 10 cm from the underlying tread surface.**

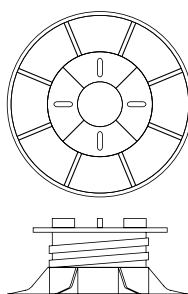
#### FIXED SUPPORT



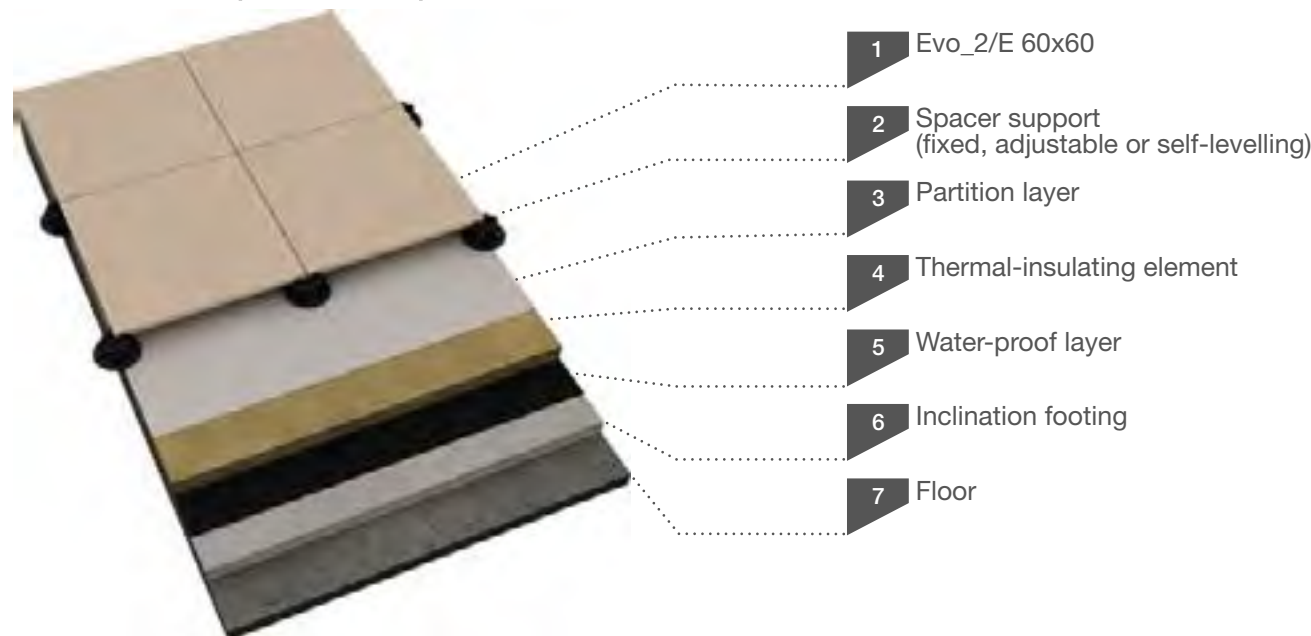
#### ADJUSTABLE SUPPORT



#### SELF-LEVELLING SUPPORT



## RAISED (FLOOR) INSTALLATION ONTO FLAT SURFACES



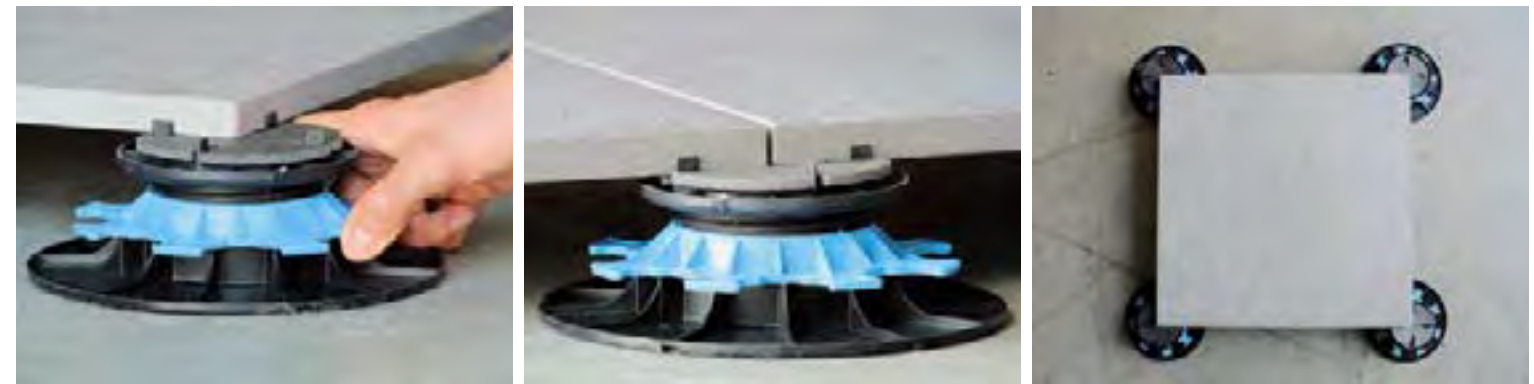
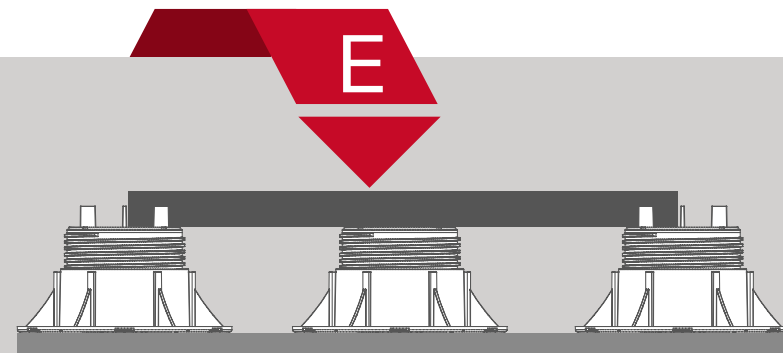
The stratigraphies shown are purely an indication of the possible types of application: we recommend referring to the specific regulations in every single country in order to obtain a state-of-the-art floor installation.

#### TECHNICAL CHARACTERISTICS OF THE SUPPORTS

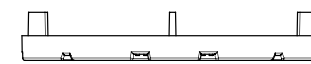
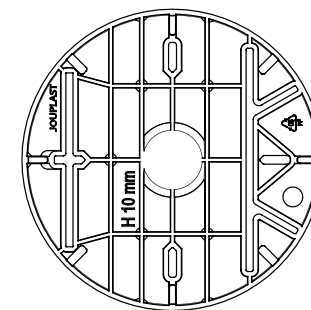
	SUPPORTS MADE FROM 100% RECYCLABLE MATERIAL
	RESISTANT TO ACID AND ALKALI SOLUTIONS
	RESISTANT TO ATMOSPHERIC AGENTS
	RESISTANT TO TEMPERATURES FROM -30° TO +120°

For more information, technical specifications concerning raised laying and quotations, please contact your sales representative or Mirage Engineering Division.

# RAISED INSTALLATION ONTO FLAT SURFACES

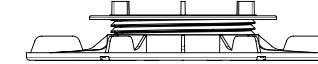
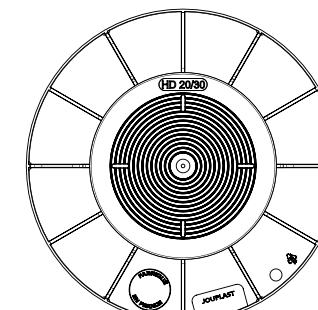


### FIXED SUPPORT



HD FIXED - Height 10 mm.

### ADJUSTABLE SUPPORT



HD 20/30 - Height 20 to 30 mm.  
HD 40/65 - Height 40 to 65 mm.  
HD 50/80 - Height 50 to 80 mm.

### STANDARD EN 12825 FOR RAISED INSTALLATION

TEST	RESULT
STATIC LOAD CAPACITY – LOAD BEARING TEST	TEST PASSED
VERTICAL LOAD TESTED ON COLUMNS/BEAMS	TEST PASSED AS STATED BY THE SUPPLIER OF SUPPORTS
TEST OF PERMANENT DEFORMATION	TEST PASSED
DYNAMIC LOAD CAPACITY – HARD OBJECT IMPACT TEST	TEST NOT PASSED
DYNAMIC LOAD CAPACITY – SOFT OBJECT IMPACT TEST	TEST PASSED
LENGTH OF PANEL SIDES	TEST PASSED
ORTHOGONALITY OF PANEL	TEST PASSED
STRAIGHTNESS OF EDGES	TEST PASSED
THICKNESS OF PANEL	TEST PASSED
WARPING OF PANEL	TEST PASSED
VERTICAL WRAP OF PANELS	TEST PASSED
DIFFERENCE BETWEEN OUTER EDGE AND SURFACE OF PANEL	TEST PASSED
PROTECTION AGAINST CORROSION	NOT APPLICABLE – PLASTIC SUPPORT
REACTION TO FIRE	NOT APPLICABLE TO PRODUCTS FOR OUTDOOR USE
ELECTROSTATIC CONDUCTIVITY	NOT APPLICABLE TO PRODUCTS FOR OUTDOOR USE
THERMAL CONDUCTIVITY	TEST PASSED

### CARATTERISTICHE TECNICHE SUPPORTI

	SUPPORTS MADE FROM 100% RECYCLABLE MATERIAL
	RESISTANT TO ACID AND ALKALI SOLUTIONS
	RESISTANT TO ATMOSPHERIC AGENTS
	RESISTANT TO TEMPERATURES FROM -30° TO +120°
	SUPPORTS COMPLIES WITH D.T.U. 43.1
	SUPPORTS STAND CRUSHING TEST UNTIL 2200 POUNDS
	POLYPROPYLENE

### RAISED INSTALLATION - CURRENT REGULATIONS AND RECOMMENDATIONS

Mirage advises that, to date, there is no existing regulatory standard regarding raised floors exclusively made for outdoor use such as the structure for Mirage EVO\_2/E. At present the only standard available is the EN 12825 "raised floors", dated August 2001, which, in its PURPOSE AND SCOPE OF APPLICATION, states that the rule is intended for "raised access floors for which the main intended use is the internal fitting out of buildings".

With regards to the "Dynamic Loading - Hard body impact" test and similar unusual situations, such as the dropping of a 4.5 kg weight from a height of 60 cm, it is recommended to choose the material based on the intended use, particularly if the installation will involve a structure with a considerable height. For this reason, Mirage recommends the use of structures not higher than 10 cm. Mirage also recommends that the customer/designer make a careful assessment of the structure, based on the end-use of the material and the technical characteristics of EVO\_2/E.

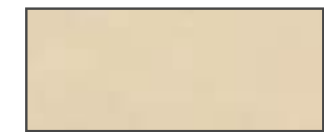
# COORDINATED INDOORS AND OUTDOORS



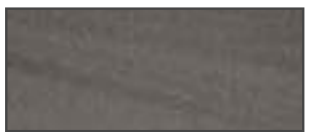
3 surfaces  
5 sizes  
4 colours



LEV: Polished  
NAT: Natural  
ST: Structured



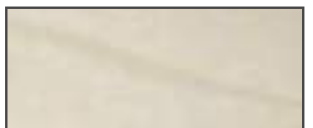
Crema delicato EP 01



Lagos grey EP 03



Pietra piacentina EP 02



Crema luna EP 04

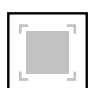
10 mm	NAT SQ
10 mm	ST SQ
9,2 mm	LEV SQ



Modular



Single work-size



Squared and rectified



V2

Slight variation





3 surfaces  
 5 sizes  
 7 colours

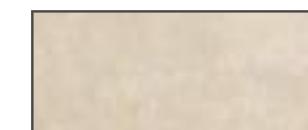
**NAT:** Natural  
**ST:** Structured  
**BC:** Bocciardata



Lab\_white LB 01



Lab\_black LB 05



Lab\_bone LB 02



Lab\_grey LB 06



Lab\_beige LB 03



Lab\_fog LB 07



Lab\_mou LB 04



10 mm	NAT SQ
10 mm	BC SQ



Modular



Single work-size



Squared and rectified



V2

Slight variation



5 surfaces  
7 sizes  
3 colours

**NAT:** Natural  
**LAPP:** Smooth surface  
**ST:** Structured  
**FI:** Fiammata  
**VI:** Vintage



Chambrod SO 05



Pierre bleue sablée SO 11



Pierre bleue SO 10

9 mm	NAT NO SQ
9,3 mm	NAT SQ
9,3 mm	FI SQ
10 mm	NAT SQ
10 mm	LAPP SQ
10 mm	VI SQ
4,8 mm	NAT SQ Think



Modular



Single work-size



Squared and rectified



V2 Slight variation



V4 Substantial variation

VINTAGE

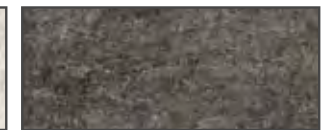


2 surfaces  
7 sizes  
5 colours

NAT R10: Natural  
NAT R12: Natural



Glacier QR 01



River QR 04



Mountains QR 02

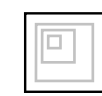


Mantle QR 05

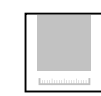


Waterfall QR 03

10 mm	NAT SQ
10 mm	NAT SQ R12



Modular



Single work-size
















Squared and rectified



V3

Moderate variation

**TECHNICAL CHARACTERISTICS OF THE CERAMIC MATERIAL**  
STANDARD EN 14411 - G

	TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS EN 14411 - G	*MIRAGE AVERAGE VALUE		
<b>SIZE CHARACTERISTICS</b>						
	SIDES	EN ISO 10545-2	± 0,6% MAX	COMPLYING		
	THICKNESS	EN ISO 10545-2	± 5,0% MAX	COMPLYING		
	WATER ABSORPTION	EN ISO 10545-3	≤ 0,5%	0,05%		
	FLEXION RESISTANCE	EN ISO 10545-4	S ≥ 1.300 N (> 7,5 mm) R ≥ 35 N/mm <sup>2</sup> .	S 13.671 N R 51,7 N/mm <sup>2</sup> .		
		EN 1339	—	T 11		
	IMPACT RESISTANCE	EN ISO 10545-5	TESTS METHOD AVAILABLE	0,88		
	ABRASION RESISTANCE	EN ISO 10545-6	≤ 175 mm <sup>3</sup>	139 mm <sup>3</sup>		
	COEFFICIENT OF LINEAR THERMAL-EXPANSION	EN ISO 10545-8	—	6,3 x 10 <sup>-6</sup> °C <sup>-1</sup>		
	RESISTANCE TO THERMAL SHOCKS	EN ISO 10545-9	TESTS METHOD AVAILABLE	NO DAMAGE		
	FROST RESISTANCE	EN ISO 10545-12	NO DAMAGE	NO DAMAGE		
	RESISTANCE TO CHEMICALS	EN ISO 10545-13	UB MIN.	UA ULA UHA		
	RESISTANCE TO STAINS	EN ISO 10545-14	TESTS METHOD AVAILABLE	5		
	STATIC LOAD	EN 12825	CENTRE 6,40 kN			
			CENTRE POINT OF SIDE 7,43 kN			
			DIAGONAL 4,14 kN			
	SKID RESISTANCE	<b>EP - SO - LB      SD      QR</b>				
		SURFACE	<b>ST</b>	<b>RD</b>	<b>NAT</b>	
		DM. 236/89 BCRA	> 0,40	> 0,40	> 0,40	> 0,40
		ASTM Wet and Dry	> 0,60	dry 0,94 - wet 0,67	dry 0,95 - wet 0,73	dry 0,9 - wet 0,61
		DIN 51130	-	R11	R11	R10
		DIN 51097	-	A+B+C	A+B+C	A+B
ENV 12633	≥ CL1	CL2	CL3	CL2		

**www.mirage.it**

Thanks for your collaboration:



\* ACCORDING TO TEST REPORT NR. 1816/2010; NR. 1821/2010; NR. 1862/2010; NR. 4877/2010; NR. 4879/2010; NR. 2126/2010.