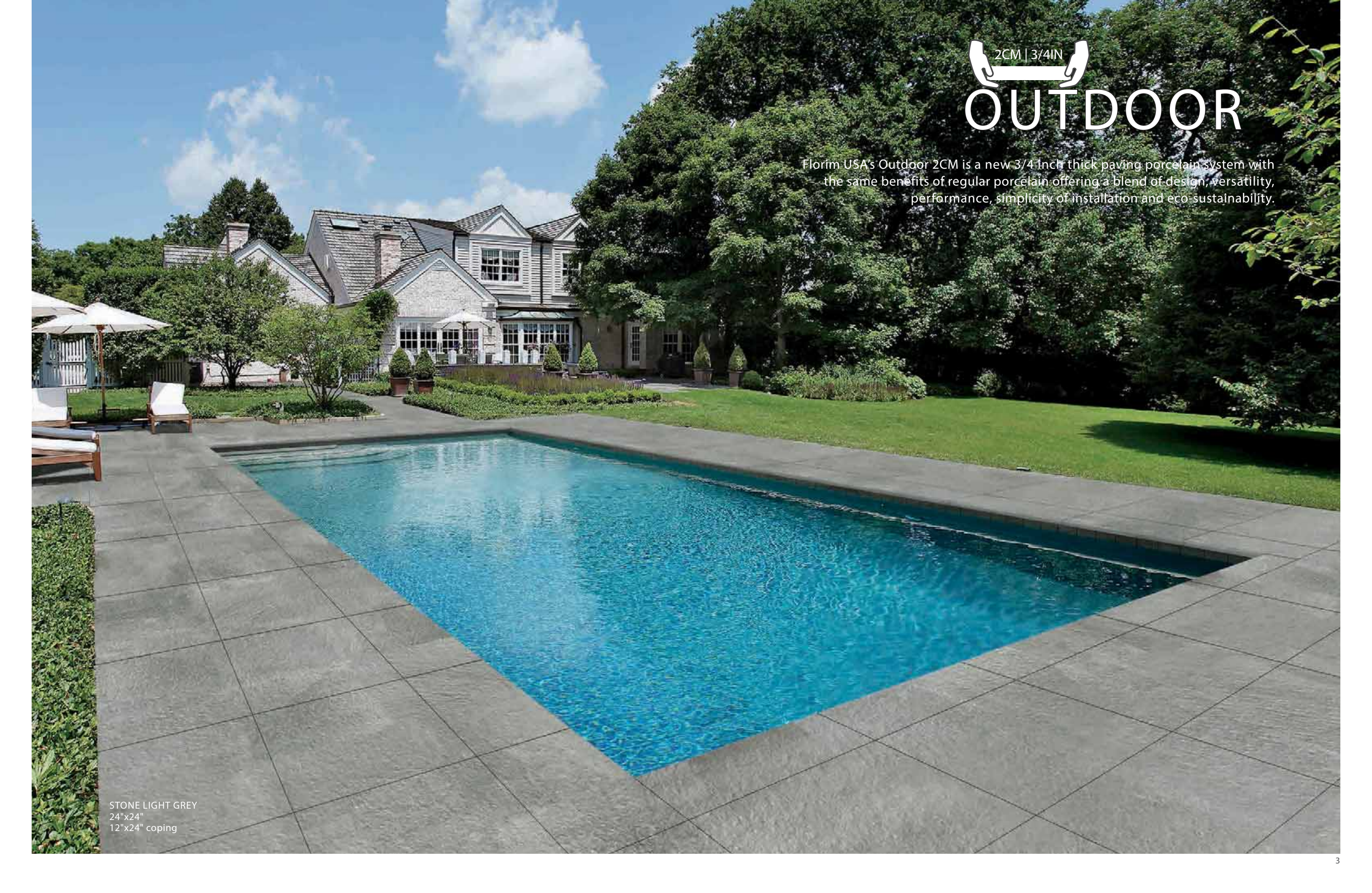




FORIM
USA

OUTDOOR 2CM **EARTH**



2CM | 3/4IN

OUTDOOR

Florim USA's Outdoor 2CM is a new 3/4 inch thick paving porcelain system with the same benefits of regular porcelain offering a blend of design, versatility, performance, simplicity of installation and eco-sustainability.

STONE LIGHT GREY
24"x24"
12"x24" coping

EARTH

Drawing inspiration from The Dolomites, in Northeastern Italy, Earth offers classic beauty combined with the variation of natural stone and the unparalleled durability of porcelain. Earth is perfect for designers and consumers who admire the elegant look of natural stone. The beautiful, organic qualities of Earth were inspired by the mountains, rivers and valleys of the Trentino region and create a natural and effortless style for any outdoor setting. Calming, earthy tones and textures make this line a versatile choice for a variety of outdoor installations. From clean whites to warm greys and browns, Earth embodies a natural, warm feel that is unsurpassed. With the ability to mimic virtually any stone, our 2CM pavers provide essentially endless possibilities.



multicolor



dark grey



light grey



manhattan grey

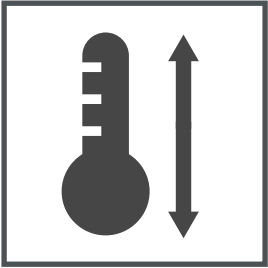


miami white



moon white

BENEFITS OF FLORIM USA OUTDOOR 2CM



THERMAL SHOCK
RESISTANT (-40°F - 210°F)



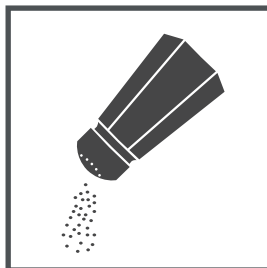
HEAVY COMMERCIAL



EASY TO CLEAN
STAIN, CHEMICAL
AND SALT RESISTANT



SUPERIOR IN STRENGTH
AND IMPACT RESISTANCE
TO CERAMIC TILES
(SUPPORTS OVER 2000LB),
LIGHTER & EASIER TO
HANDLE THAN CONCRETE
BLOCKS



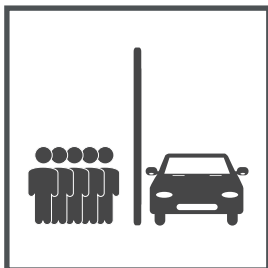
RESISTANT TO SALT
CORROSION



RESISTANT TO ATTACK
FROM MOLD, MOSS AND
VERDIGRIS TREATMENTS



RESISTANT TO
EFFLORESCENCE AND
OTHER MARKS



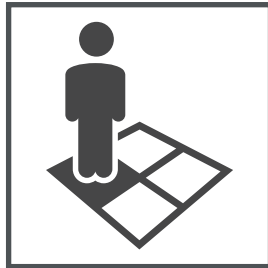
DURABLE: RESISTANT
TO HEAVY VEHICLE AND
PEDESTRIAN TRAFFIC



VIRTUALLY NO
MAINTENANCE



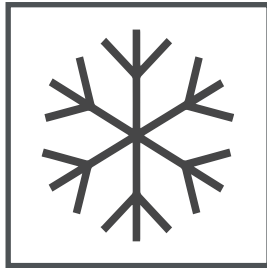
SLIP RESISTANT AND
QUICK DRAINING



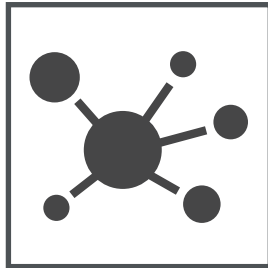
EASY TO INSTALL



RECYCLABLE AND
ECOLOGICAL



FROST-PROOF



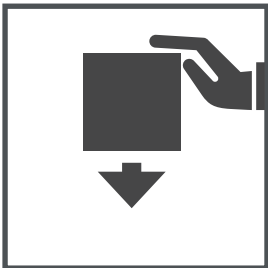
HYPOALLERGENIC. NO
VOC.



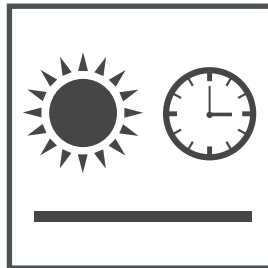
EASY TO STERILIZE



EASY TO CLEAN



VERSATILE INSTALLATION
APPLICATIONS



HEAT RESISTANT UV



AVAILABLE IN A BROAD
RANGE OF COLORS/
STYLES



MASSIVE OVER LIFE COST
SAVINGS



Contributes to LEED credits

Environment
PRIORITY ONE



40% recycled content



MULTICOLOR 24"X24"

FLORIM USA OUTDOOR

Ability to express many looks;
controlled variation and quality

Frost resistant

Easy installation

User friendly. Easy to clean and
slip resistant

Highly resistant to chemicals, mold &
mildew, salt & corrosion, and stains

vs

CONCRETE

Unpredictable results, color uniformity
cannot be guaranteed

Needs special treatment to resist frost

Requires special installation considerations

Easy to crack, poor drainage,
and increased potential for curling

Absorbs stains easily, sealing required;
subject to scratches and wear patterns over time

FLORIM USA OUTDOOR

Better choice for areas that see a lot of foot traffic

Porcelain can be whatever you want it to be

Quick to install

Harder and stronger

vs

STONE

Requires periodic maintenance,
it needs to be sealed once a year

Cracking and pitting are common
in natural stones

Stone requires additional labor for
pre-sealing and thicker thin sets because of the irreg-
ularity of the material

Absorbs water, prone to stains and scratches

FLORIM USA OUTDOOR

Great for all climates and locations

Perfect for the everyday lifestyle,
tile flooring offers easy maintenance

You can create a custom flooring
design that's one of a kind

Eco-Friendly Tile gives the warmth and welcoming
look of wood without destroying a single tree

vs

HARD WOOD

Despite its inviting beauty hardwood flooring can only
go so far, hardwood
presents installation restriction

Limited durability, hardwood is a high maintenance
choice

Designing a unique pattern on
a wood floor can be expensive and time-consuming

Although naturally resilient, hardwood is still suscepti-
ble to scratches, dents, cracking and warping



MANHATTAN GREY
24"x24"



The functional yet elegant Outdoor collection ties together both your indoor and outdoor space with ease. From the garden to the swimming pool or the stairways to the driveways, our system offers a wide array of colors, surfaces and combinations.

1. SWIMMING POOL

2. SUNDECK

3. TERRACE

4. PATH

5. STAIRS

6. HANDRAIL

7. WALL

8. DRIVEWAY





MULTICOLOR 24"X24"



DARK GREY
24"x24"



LIGHT GREY 24"X24"



LIGHT GREY 12"X24"



MANHATTAN GREY 12"X24"



MIAMI WHITE
24"x24" , 12"x24"



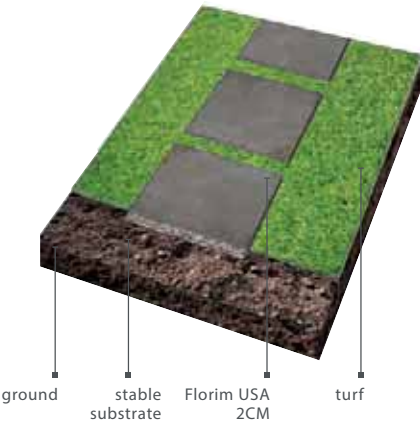
MOON WHITE
24"x24"

DIRECT INSTALLATION

The 2CM Florim porcelain tile can be easily positioned on grass, removed and repositioned, allowing maximum flexibility in creating different configurations. 2CM Florim porcelain tiles can be installed either with a minimum joint, or with a 1/2" joint or larger (called Japanese joint).

- Installation steps
- Remove 2" of soil in the area where you want to place the 2CM Florim tiles;
- Apply and compact evenly 1" of gravel into the area you have cleared;
- Directly lay the Florim porcelain tile on the gravel bed and tap it with a rubber hammer to eliminate any unevenness.

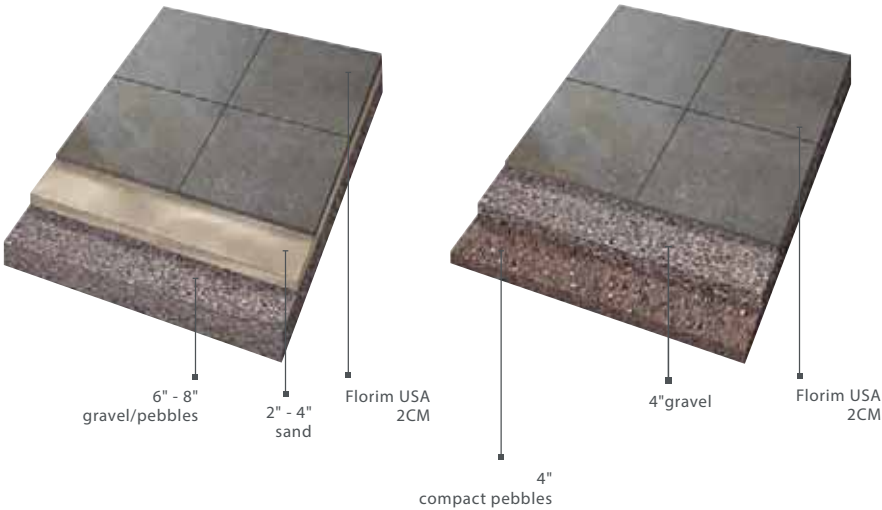
- PLUS
- EASY TO INSTALL AND REMOVE
 - QUICK WATER DRAINAGE KEEPING THE GROUND UNCHANGED
 - IDEAL TO CREATE CONTINUITY BETWEEN INDOOR AND OUTDOOR FLOORING



LAYING ON GRAVEL AND SAND

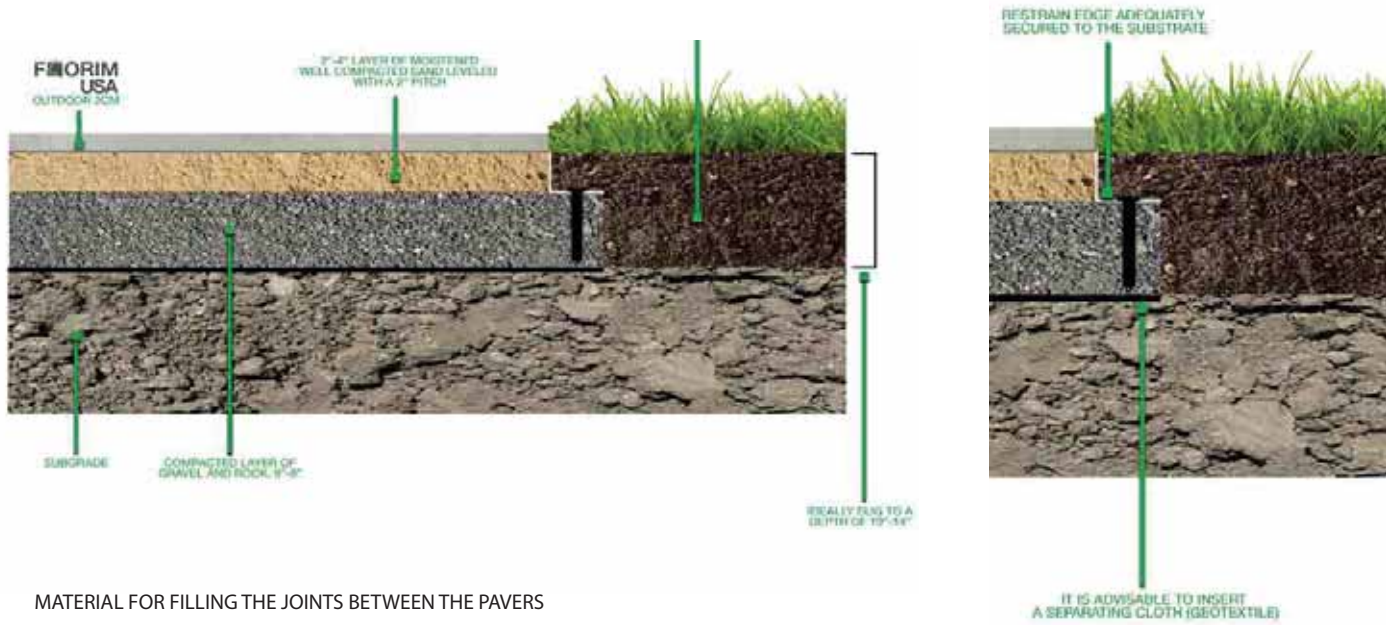
- Installation steps
- Level and compact the surface (sand or gravel);
- Position the 2CM Florim porcelain tile on the gravel/sand bed;
- Tap the tiles with a rubber hammer to eliminate any unevenness and fill the joints between the tiles with gravel/sand to add stability to the surface.

- PLUS
- EASY TO INSTALL AND REMOVE
 - QUICK WATER DRAINAGE KEEPING THE GROUND UNCHANGED
 - IDEAL WHERE IT IS NOT POSSIBLE TO LAY PERMANENT FLOORING
 - EXHIBITIONS AND EVENTS



LAYING ON GRAVEL AND SAND GENERAL INDICATIONS

- SUBSTRATE
- Level the substrate and compact it with care before proceeding with installation consisting of resting the slabs on the substrate
- It is advisable to lay a separating cloth (geotextile) to stabilize the substrate in order to limit any washing away along the gaps / joints between the pavers and to minimize the growth of weeds.
- SPACERS BETWEEN PAVERS
- When laying porcelain pavers by resting them directly on the substrate, they must never be laid so that they touch each other, as this would drastically increase the risk of chipping caused by micro-movements while the pavers are setting into place.1/6" joints are recommended for pressed material.
- CUTS AND HOLES
- It is possible to cut the material in both damp or dry conditions.
 - It is essential to use ONLY approved cutting wheels (continuous edge) for porcelain stoneware.
 - To make holes in the slabs, use diamond drill bits for porcelain stoneware.
- DO NOT USE A PLATE COMPACTOR AFTER LAYING
- To avoid the risk of chipping the material, never use a plate compactor once the porcelain pavers slabs have been laid.
- EDGE RESTRAINTS
- When pavers are laid on draining sand or gravel, always prepare an edge restraint system to hold the substrate material used and prevent any washing away of sand or gravel, therefore keeping the paver slabs in place.



MATERIAL FOR FILLING THE JOINTS BETWEEN THE PAVERS

LAYING ON SAND

Fill the gaps with sand and eliminate the excess material. In time, wind, rain and cleaning activities may remove the sand, therefore calling for some occasional re-filling

LAYING POLYMERIC SAND OR GRAVEL

It is a composition created specifically for outdoor paving installation. It is important to use specific sand for porcelain stoneware. This sand is available in several different colors and grain sizes. Once the polymeric sand has been compacted, it will prevent the growth of weeds. Once the gaps have been filled with polymeric sand eliminate with care all the excess material. Lastly, wet the gaps between the pavers with water to activate the reaction of the polymers that will transform the sand into a compact body.

ADHESIVE
INSTALLATION

DRAINING SCREED
It is ideal for garden and courtyard flooring because it ensures that water is drained correctly, using the special glues.

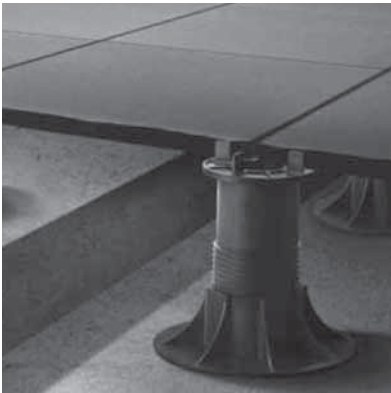
VEHICLE TRANSIT PAVEMENT
It is ideal for parking lots and garage ramps, thanks to the extremely high resistance of ceramic surface to dynamic and concentrate loads.



- PLUS
- HIGH RESISTANCE TO DYNAMIC AND CONCENTRATE LOADS
 - IDEAL TO CREATE CONTINUITY BETWEEN PEDESTRIAN AREAS AND VEHICLE ACCESSIBLE AREAS, USING THE SAME MATERIAL.

INSTALLATION
ON RAISED SYSTEMS

Mainly, there are three raised floor systems that the customers can adopt to install the 2CM Florim porcelain tiles: fixed support, adjustable support, and self-leveling support.



- PLUS
- FROM THE AESTHETIC POINT OF VIEW, IT ENSURES FLOORING WITH A SINGLE GRADIENT, WITHOUT ANY VISIBLE WATER DRAINING ELEMENTS
 - THE SMALL GAP BETWEEN ONE SLAB AND ANOTHER ALLOWS A QUICK WATER DRAINAGE, IT IS EASY TO CLEAN
 - LOWER LOAD BEARING ON ATTICS AND BALCONIES AS THE LAST LAYER OF CONCRETE AND GLUE IS NOT NECESSARY
 - FROST-PROOF, IT ABSORBS THE THERMAL EXPANSIONS OF THE CONCRETE SUBSTRATE, THE DIRECT CAUSE OF TRADITIONAL OUTDOOR FLOORING SUBSIDENCES
 - THE GAP BETWEEN THE SLAB AND THE CONCRETE SUBSTRATE FOSTERS EXCELLENT THERMAL INSULATION
 - BEST ACOUSTIC INSULATION
 - HIDDEN BUT EASY TO INSPECT PIPES
 - SPEED OF INSTALLATION
 - RECYCLABLE
 - VALUE FOR MONEY SOLUTION IN TERMS OF LAYING AND MAINTENANCE, LASTS VIRTUALLY FOREVER

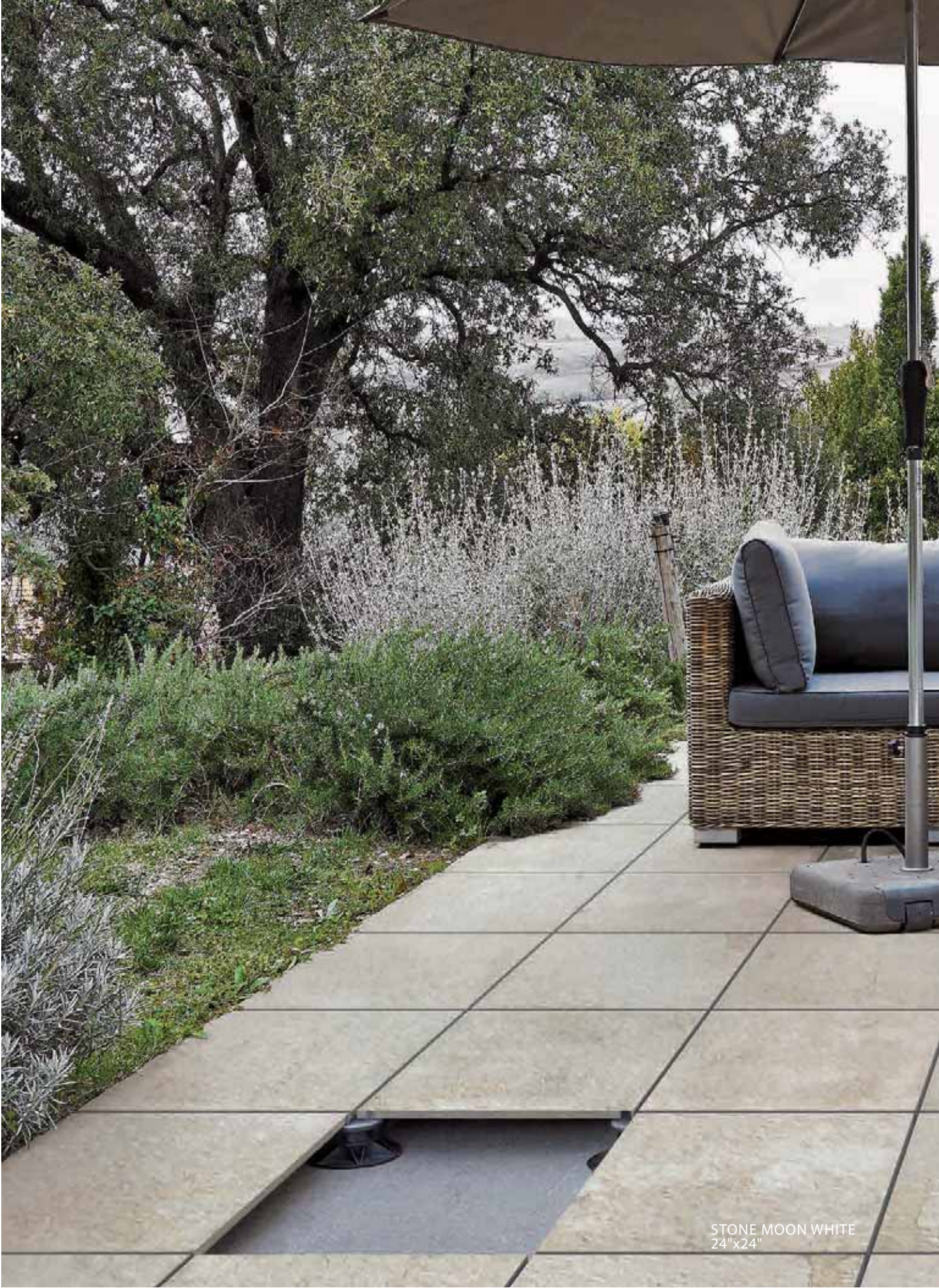
Installation steps

Ensure that the area where the raised system will be installed is flat, compact, rigid, and make sure it can support the weight of the new floor;

Choose the raised floor system that best suits your use. Remember that the raised floor has to be installed to provide adequate drainage of rain water.

*Rectified tiles are required for pedestal installations

Warnings: these systems cannot be used when high dynamic loads transit in the area.





MULTICOLOR

- 24"x24" rectified item # 1096342
- 12"x24" rectified item # 1099597
- 12"x24" coping item # 1100268
- 12"x24" coping with stair tread item # 1100301
- 12"x24" drain coping item # 1100279
- 12"x24" drain coping with stair tread (3 grooves) item # 1100290

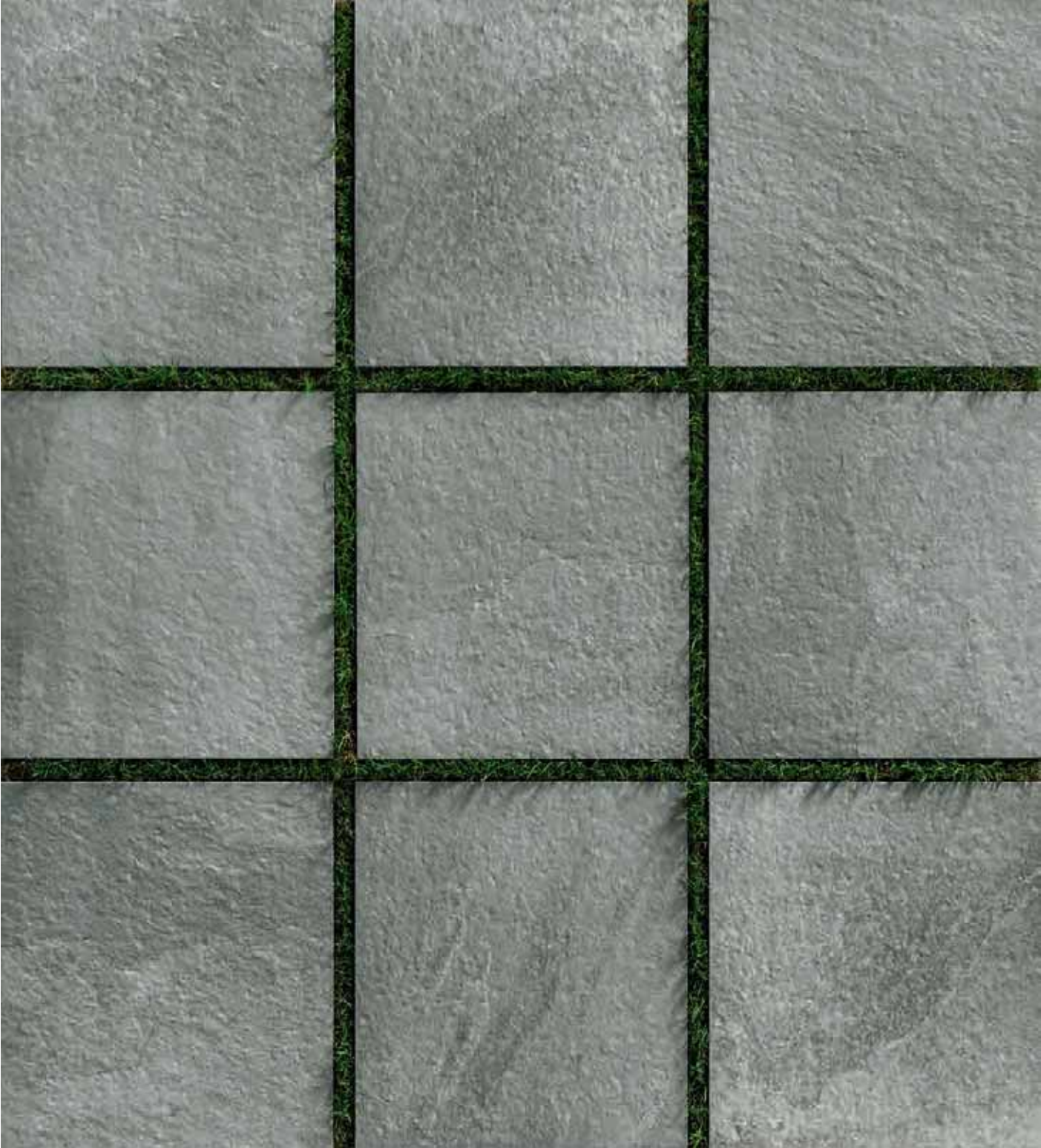
V4-RANDOM



DARK GREY

- 24"x24" rectified item # 1096343
- 12"x24" rectified item # 1099598
- 12"x24" L-shaped coping item # 1099664
- 12"x24" coping item # 1100269
- 12"x24" coping with stair tread item # 1100302
- 12"x24" drain coping item # 1100280
- 12"x24" drain coping with stair tread (3 grooves) item # 1100291

V3-HIGH



LIGHT GREY

- 24"x24" rectified item # 1096344
- 12"x24" rectified item # 1099599
- 12"x24" L-shaped coping item # 1099665
- 12"x24" coping item # 1100270
- 12"x24" coping with stair tread item # 1100303
- 12"x24" drain coping item # 1100281
- 12"x24" drain coping with stair tread (3 grooves) item # 1100292

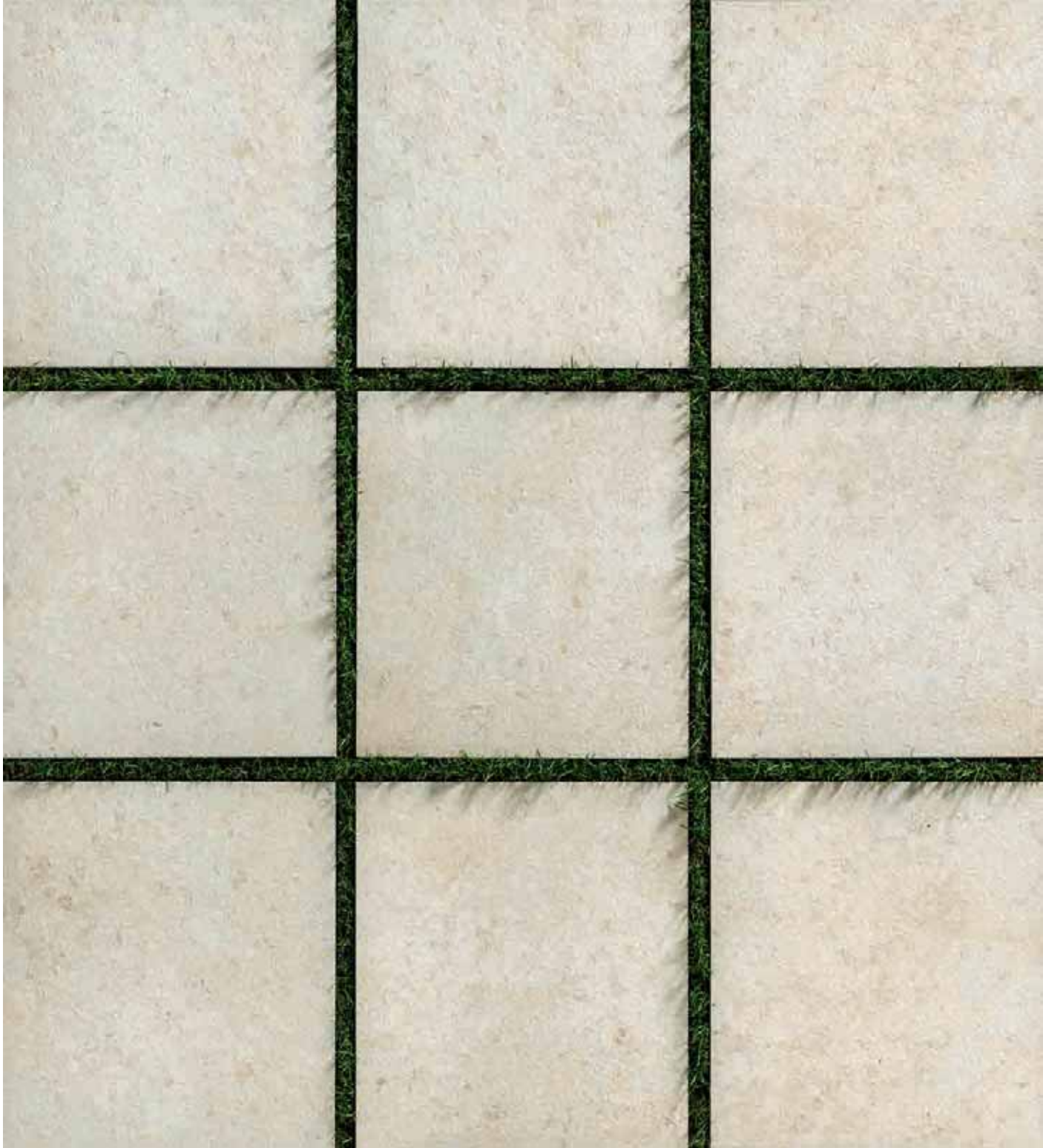
V3-HIGH



MANHATTAN GREY

- 24"x24" rectified item # 1096348
- 12"x24" rectified item # 1099600
- 12"x24" coping item # 1100271
- 12"x24" coping with stair tread item # 1100304
- 12"x24" drain coping item # 1100282
- 12"x24" drain coping with stair tread (3 grooves) item # 1100293

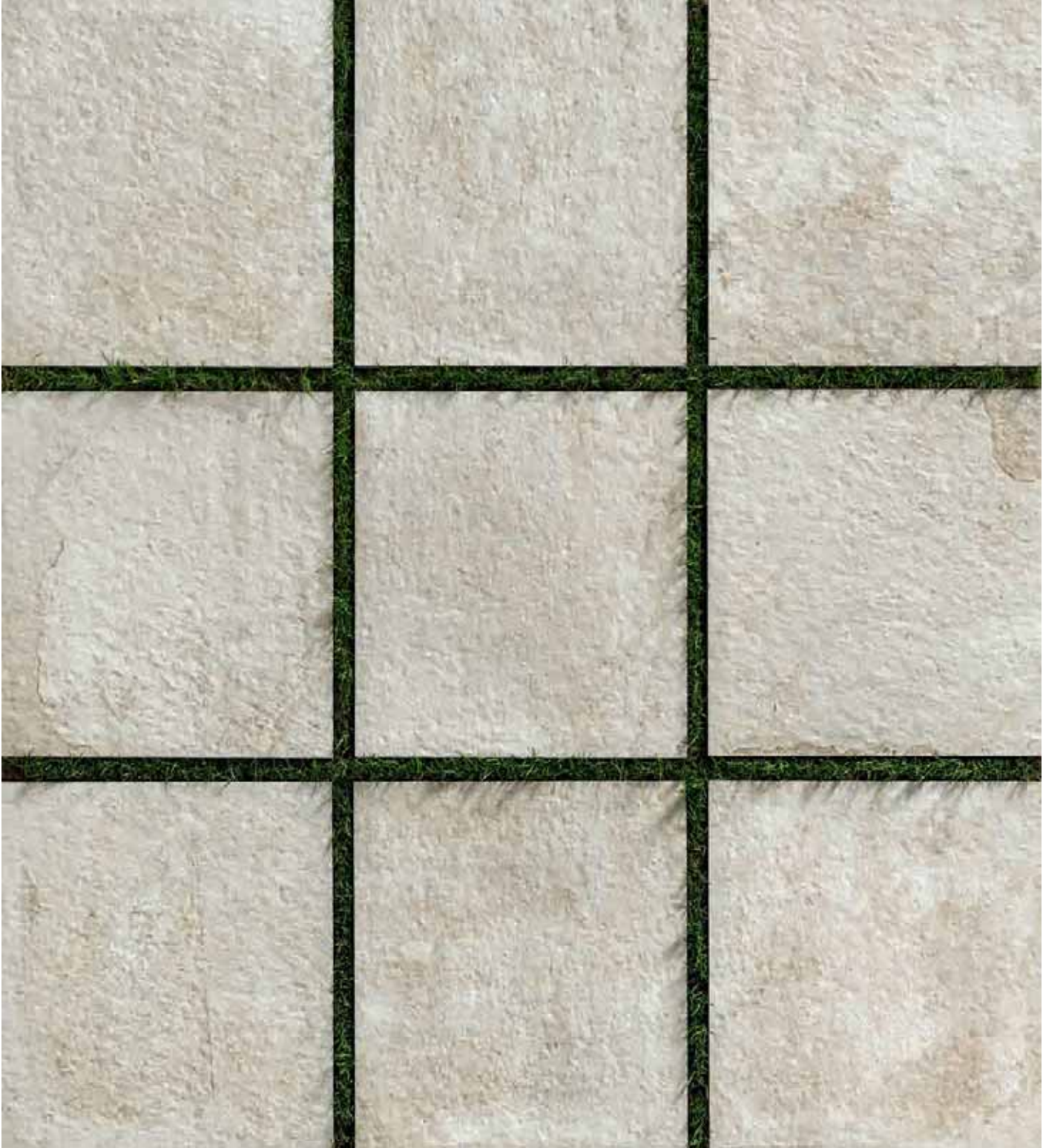
V3-HIGH



STONE MOON WHITE

- 24"x24" rectified item # 1096350
- 12"x24" rectified item # 1099602
- 12"x24" coping item # 1100273
- 12"x24" coping with stair tread item # 1100306
- 12"x24" drain coping item # 1100284
- 12"x24" drain coping with stair tread (3 grooves) item # 1100295

V3-HIGH



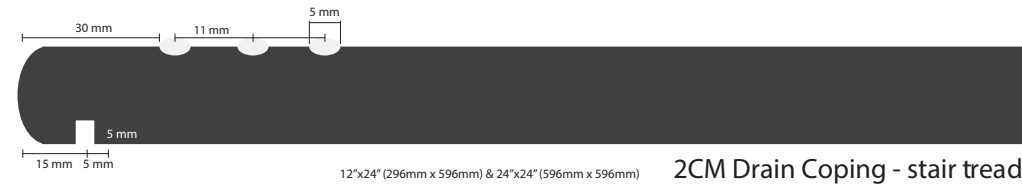
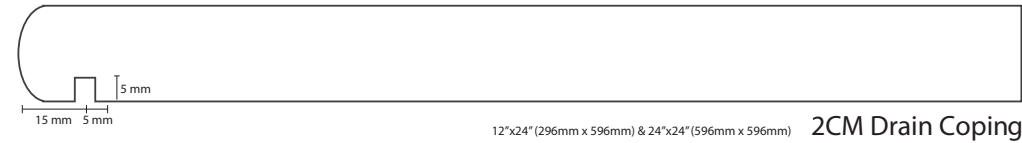
STONE MIAMI WHITE

- 24"x24" rectified item # 1096349
- 12"x24" rectified item # 1099601
- 12"x24" L-shaped coping item # 1099667
- 12"x24" coping item # 1100272
- 12"x24" coping with stair tread item # 1100305
- 12"x24" drain coping item # 1100283
- 12"x24" drain coping with stair tread (3 grooves) item # 1100294

V3-HIGH

SPECIAL COPING PIECES

2CM L-SHAPED COPING



	SPEC.	TEST METHOD	REFERENCE VALUE	DECLARED VALUE
	Static coefficient of friction	ASTM - C 1028	> 0.60 dry and wet	> 0.60 dry and wet
	Dynamic coefficient of friction (section 9.6 ANSIA 137.1 2012)	DCOF Acutest	> 0.42 wet	> 0.42 wet
	Resistance to freeze	ASTM - C 1026	required	Resistant
	Frost resistance	ISO - 10545-12	As reported	Resistant
	Chemical resistance	ASTM - C 650	As reported	Not affected
	Resistance to domestic chemicals and additives for swimming pools	ISO - 10545-13	UB minimum	UA
	Resistance to low concentrations of acids and alkali	ISO - 10545-14	See manufacturer's declaration	ULA
	Resistance to high concentrations of acids and alkali	ISO - 10545-15	See manufacturer's declaration	UHA
	Resistance to staining	ASTM - C 1378	As reported	Not affected
		ISO - 10545-14	-	4
	Maximum straightness deviation, in %, in relation to the corresponding production dimensions	ASTM - C 485	±0.75% (±1.8 mm)	±10%
		ISO - 10545-2	±0,5% (±1,5 mm)	±10%
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ASTM - C 499	± 1.2 mm	±0.5%
		ISO - 10545-2	±0,5% (±0,5 mm)	±0.5%
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions	ASTM - C 499	±0.5 % (±2.0 mm)	± 0.15 %
		ISO - 10545-2	±0,6 % (±2 mm)	± 0.15 %
	Amount of water absorbed, in percentage	ASTM - C 373	≤ 0.5%	≤ 0.5%
		ISO - 10545-3	≤ 0.5%	≤ 0.5%
	Breaking strength in N (thickness > = 7,5 mm)	ASTM - C 648	≥ 2500 LBF Average	≥ 3000 LBF Individual
		ISO - 10545-4	≥ 1300 Newton	> 13000
	Resistance to deep abrasion of unglazed tiles	ASTM - C 1243	< 175 mm 3	< 150
		ISO - 10545-6	< 175 mm 3	< 150
	Thermal shock resistance	ASTM - C 484	-	Meets the requirement
		ISO - 10545-9	-	Resistant

CLEANING & MAINTENACE



Routine care instructions:

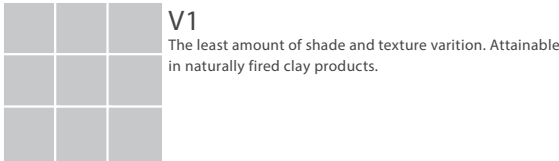
- 1. Wash with water to remove superficial dirt.
- 2. Application of Fila Cleaner® Fila (commercial product) diluted to an average of 1:200 to the surface.
- 3. Let the solution sit 5-7 minutes.
- 4. Remove the cleaner with a vigorous mechanical cleaning action using common hand cleaning equipment, or a suitable floor-cleaning appliance.
- 5. Dry the floor completely.

Note: For desired results, it is particularly important to combine the effect of the detergent with a vigorous mechanical cleaning action.

The products mentioned in these instructions do not officiate any official agreements with any floor cleaning product producers.

COLOR SHADE VARIATION

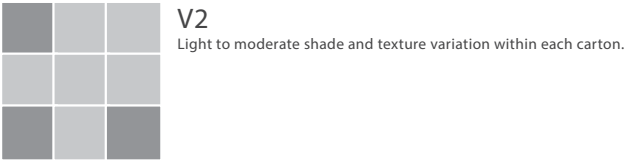
Each FLORIM product is characterized by a degree of color shading that varies from product to product, from color to color. Color shading means chromatic variation from tile to tile in every box. It is not possible to request FLORIM in color shade variations other than those shown per item.



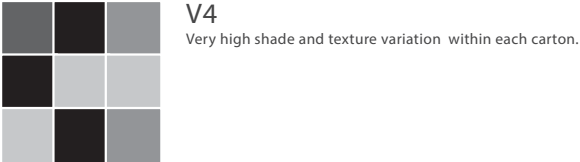
V1
The least amount of shade and texture varition. Attainable in naturally fired clay products.



V3
High shade texture variation within each carton.



V2
Light to moderate shade and texture variation within each carton.



V4
Very high shade and texture variation within each carton.

PACKAGING

SIZE	SF / CTN	PIECES / CTN	CTN / PALLET	UM / PALLET	WEIGHT (lbs) / CTN	WEIGHT (lbs) / PALLET*
24 x 24 Rectified	8	2	36	288 SF	76	2,736
12 x 24 Rectified	8	4	40	320 SF	73.6	2,944
12 x 24 L-Shaped Coping	8	4	32	128 PCS	59.2	1,894
12 x 24 Coping	8	4	40	160 PCS	73.6	2,944
12 x 24 Stair Tread Coping	8	4	40	160 PCS	73.6	2,944
12 x 24 Drain Coping	8	4	40	160 PCS	73.6	2,944
12 x 24 Drain Coping with Stair Tread	8	4	40	160 PCS	73.6	2,944

* weight per pallet does not include the weight of the pallet itself