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.
Florm 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.
Drawing inspiration from The Dolomites, in Northeastern Italy, Earth offers classic beauty combined with 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 Trento setting. Calming, earthy tones and textures make this line a versatile choice for outdoors. 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.
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
goods and create a natural and effortless style for any outdoor
for a variety of outdoor installations. From clean whites to warm greys and
tone to mimic virtually any stone, our 2CM pavers provide essentially

manhattan grey
miami white
moon white
BENEFITS OF FLORIM USA OUTDOOR 2CM

- Superior in strength and impact resistance to ceramic tiles (supports over 2000lb), lighter & easier to handle than concrete blocks
- Available in a broad range of colors/styles
- Virtually no maintenance
- Easy to clean, stain, chemical and salt resistant
- Thermal shock resistant (-40°F - 210°F)
- Heavy commercial
- Slip resistant and quick draining
- Easy to install
- Recyclable and ecological
- Versatile installation applications
- Heat resistant UV
- Available in a broad range of colors/styles
- Massive over life cost savings
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

FROST-PROOF

HYPOALLERGENIC. NO VOC.

EASY TO STERILIZE

EASY TO CLEAN

Contributes to LEED credits

Environment

PRIORITY ONE

40% recycled content
<table>
<thead>
<tr>
<th>FLORIM USA OUTDOOR</th>
<th>VS</th>
<th>CONCRETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to express many looks; controlled variation and quality</td>
<td></td>
<td>Unpredictable results, color uniformity cannot be guaranteed</td>
</tr>
<tr>
<td>Frost resistant</td>
<td>Needs special treatment to resist frost</td>
<td></td>
</tr>
<tr>
<td>Easy installation</td>
<td>Requires special installation considerations</td>
<td></td>
</tr>
<tr>
<td>User friendly. Easy to clean and slip resistant</td>
<td>Easy to crack, poor drainage, and increased potential for curling</td>
<td></td>
</tr>
<tr>
<td>Highly resistant to chemicals, mold &amp; mildew, salt &amp; corrosion, and stains</td>
<td>Absorbs stains easily, sealing required; subject to scratches and wear patterns over time</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLORIM USA OUTDOOR</th>
<th>VS</th>
<th>STONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Better choice for areas that see a lot of foot traffic</td>
<td></td>
<td>Requires periodic maintenance, it needs to be sealed once a year</td>
</tr>
<tr>
<td>Porcelain can be whatever you want it to be</td>
<td>Cracking and pitting are common in natural stones</td>
<td></td>
</tr>
<tr>
<td>Quick to install</td>
<td>Stone requires additional labor for pre-sealing and thicker thin sets because of the irregularity of the material</td>
<td></td>
</tr>
<tr>
<td>Harder and stronger</td>
<td>Absorbs water, prone to stains and scratches</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLORIM USA OUTDOOR</th>
<th>VS</th>
<th>HARD WOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great for all climates and locations</td>
<td></td>
<td>Despite its inviting beauty hardwood flooring can only go so far, hardwood presents installation restriction</td>
</tr>
<tr>
<td>Perfect for the everyday lifestyle, tile flooring offers easy maintenance</td>
<td>Limited durability, hardwood is a high maintenance choice</td>
<td></td>
</tr>
<tr>
<td>You can create a custom flooring design that’s one of a kind</td>
<td>Designing a unique pattern on a wood floor can be expensive and time-consuming</td>
<td></td>
</tr>
<tr>
<td>Eco-Friendly Tile gives the warmth and welcoming look of wood without destroying a single tree</td>
<td>Although naturally resilient, hardwood is still susceptible to scratches, dents, cracking and warping</td>
<td></td>
</tr>
</tbody>
</table>
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"
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 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.

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.
STONE MOON WHITE
24" x 24"
MULTICOLOR
24”x24” pressed item # 1096505
24”x24” rectified item # 1096342
12”x24” rectified item # 1099597
12”x24” coping item # 1100288
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" pressed item # 1096506
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
<table>
<thead>
<tr>
<th>Light Grey</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;x24&quot; pressed item # 1096507</td>
</tr>
<tr>
<td>24&quot;x24&quot; rectified item # 1096344</td>
</tr>
<tr>
<td>12&quot;x24&quot; rectified item # 1099599</td>
</tr>
<tr>
<td>12&quot;x24&quot; L-shaped coping item # 1099665</td>
</tr>
<tr>
<td>12&quot;x24&quot; coping item # 1100270</td>
</tr>
<tr>
<td>12&quot;x24&quot; coping with stair tread item # 1100303</td>
</tr>
<tr>
<td>12&quot;x24&quot; drain coping item # 1100281</td>
</tr>
<tr>
<td>12&quot;x24&quot; drain coping with stair tread (3 grooves) item # 1100292</td>
</tr>
</tbody>
</table>

V3-HIGH
MANHATTAN GREY

24”x24” pressed item # 1096508
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” pressed item # 1096510
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
SPECIAL COPING PIECES

2CM L-SHAPED COPING

Radius: 10mm
Diameter: 20mm

12"x24" (296mm x 596mm) & 24"x24" (596mm x 596mm)

2CM Coping

12"x24" (296mm x 596mm) & 24"x24" (596mm x 596mm)

2CM Drain Coping

12"x24" (296mm x 596mm) & 24"x24" (596mm x 596mm)

2CM Drain Coping - stair tread

12"x24" (296mm x 596mm) & 24"x24" (596mm x 596mm)

2CM Coping - stair tread
<table>
<thead>
<tr>
<th>SPEC.</th>
<th>TEST METHOD</th>
<th>REFERENCE VALUE</th>
<th>DECLARED VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static coefficient of friction</td>
<td>ASTM - C 1028</td>
<td>&gt; 0.60 dry and wet</td>
<td>&gt; 0.60 dry and wet</td>
</tr>
<tr>
<td>Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)</td>
<td>DCOF Acutest</td>
<td>&gt; 0.42 wet</td>
<td>&gt; 0.42 wet</td>
</tr>
<tr>
<td>Resistance to freeze</td>
<td>ASTM - C 1026</td>
<td>required</td>
<td>Resistant</td>
</tr>
<tr>
<td>Frost resistance</td>
<td>ISO - 10545-12</td>
<td>As reported</td>
<td>Resistant</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>ASTM - C 650</td>
<td>As reported</td>
<td>Not affected</td>
</tr>
<tr>
<td>Resistance to domestic chemicals and additives for swimming pools</td>
<td>ISO - 10545-13</td>
<td>UB minimum</td>
<td>UA</td>
</tr>
<tr>
<td>Resistance to low concentrations of acids and alkali</td>
<td>ISO - 10545-14</td>
<td>See manufacturer's declaration</td>
<td>ULA</td>
</tr>
<tr>
<td>Resistance to high concentrations of acids and alkali</td>
<td>ISO - 10545-15</td>
<td>See manufacturer's declaration</td>
<td>UHA</td>
</tr>
<tr>
<td>Resistance to staining</td>
<td>ASTM - C 1378</td>
<td>As reported</td>
<td>Not affected</td>
</tr>
<tr>
<td>ISO - 10545-14</td>
<td>-</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Maximum straightness deviation, in %, in relation to the</td>
<td>ASTM - C 485</td>
<td>±0.75% (±1.8 mm)</td>
<td>±10%</td>
</tr>
<tr>
<td>corresponding production dimensions</td>
<td>ISO - 10545-2</td>
<td>±0.5% (±1.5 mm)</td>
<td>±10%</td>
</tr>
<tr>
<td>Admitted deviation, in %, of the average thickness of each tile</td>
<td>ASTM - C 499</td>
<td>±1.2 mm</td>
<td>±0.5%</td>
</tr>
<tr>
<td>from the production dimensions</td>
<td>ISO - 10545-2</td>
<td>±0.5% (±0.5 mm)</td>
<td>±0.5%</td>
</tr>
<tr>
<td>Length and width: admitted deviation, in %, of the average</td>
<td>ASTM - C 499</td>
<td>±0.5 % (±2.0 mm)</td>
<td>± 0.15 %</td>
</tr>
<tr>
<td>size of each tile from the production dimensions</td>
<td>ISO - 10545-2</td>
<td>±0.6 % (±2 mm)</td>
<td>± 0.15 %</td>
</tr>
<tr>
<td>Amount of water absorbed, in percentage</td>
<td>ASTM - C 373</td>
<td>≤ 0.5%</td>
<td>≤ 0.5%</td>
</tr>
<tr>
<td>ISO - 10545-3</td>
<td>≤ 0.5%</td>
<td>≤ 0.5%</td>
<td></td>
</tr>
<tr>
<td>Breaking strength in N (thickness ≥ 7.5 mm)</td>
<td>ASTM - C 648</td>
<td>≥ 2500 LBF Average</td>
<td>≥ 3000 LBF Individual</td>
</tr>
<tr>
<td>ISO - 10545-4</td>
<td>≥ 1300 Newton</td>
<td>&gt; 13000</td>
<td></td>
</tr>
<tr>
<td>Resistance to deep abrasion of unglazed tiles</td>
<td>ASTM - C 1243</td>
<td>&lt; 175 mm 3</td>
<td>&lt; 150</td>
</tr>
<tr>
<td>ISO - 10545-6</td>
<td>&lt; 175 mm 3</td>
<td>&lt; 150</td>
<td></td>
</tr>
<tr>
<td>Thermal shock resistance</td>
<td>ASTM - C 484</td>
<td>-</td>
<td>Meets the</td>
</tr>
<tr>
<td>ISO - 10545-9</td>
<td>-</td>
<td>requirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>V1</th>
<th>V2</th>
</tr>
</thead>
<tbody>
<tr>
<td>The least amount of shade and texture variation. Attainable in naturally fired clay products.</td>
<td>Light to moderate shade and texture variation within each carton.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V3</th>
<th>V4</th>
</tr>
</thead>
<tbody>
<tr>
<td>High shade texture variation within each carton.</td>
<td>Very high shade and texture variation within each carton.</td>
</tr>
</tbody>
</table>
## Packaging

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

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