Pennsylvania

the new bluestone

POPA 2.0
AN ITALIAN PORCELAIN PAVER MADE IN USA
KRONOS USA SEARCHES THE PAST AND CONSISTENT WITH TRADITION REVISITS PENNSYLVANIA BLUESTONE: EXTREMELY RESISTANT WITH A HIGH AESTHETIC COMPONENT. BLUESTONE WAS CHOSEN BECAUSE IT IS THE TYPICAL AMERICAN STONE FOR OUTDOOR AND LANDSCAPING INSTALLATION.

POPA 2.0
AN ITALIAN PORCELAIN PAVER MADE IN USA

RE-QUALIFY SYSTEM
PENNSYLVANIA BLUESTONE PORCELAIN PAVERS BY KRONOS, WITH ¾ THICKNESS HAS BEEN SELECTED BASED ON ITS LOW WATER ABSORPTION AND STAIN RESISTANCE. IT IS EXTREMELY EASY TO CLEAN, INCREDIBLE FREEZE-THAW DURABILITY AND STRENGTH, ESPECIALLY SIGNIFICANT IN THE COLDER REGIONS OF THE UNITED STATES AND CANADA.
THE LONG-TERM
PERFORMANCE AND
SLIP-RESISTANCE OF
PENNSYLVANIA BLUESTONE
BY KRONOS MAKE IT AN
EXCELLENT CHOICE FOR MANY
APPLICATIONS:

- PATIOS
- POOL DECKS
- TERRACES
- WALKWAYS
- STAIRS AND STEPS
- DRIVeways
Full Color Cleft Pattern

TrueBlue Thermal Pattern
Indoor: TrueBlue Thermal Pattern
23 1/3" x 23 1/3" - 60x60 cm
11 3/4" x 23 1/3" - 30x60 cm
11 3/4" x 11 3/4" - 30x30 cm

Outdoor: Full Color Cleft Pattern
23 1/3" x 23 1/3" - 60x60 cm
11 3/4" x 23 1/3" - 30x60 cm
11 3/4" x 11 3/4" - 30x30 cm
Pennsylvania the new bluestone
n°10 n°11
TrueBlue Thermal Pattern
23 1/3" x 23 1/3" - 60x60 cm
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Full Color Cleft Pattern
23 1/3" x 23 1/3" - 60x60 cm
11 3/4" x 23 1/3" - 30x60 cm
11 3/4" x 11 3/4" - 30x30 cm
PENNSYLVANIA

the new bluestone

AN ITALIAN PORCELAIN PAVER MADE IN USA

FULL COLOR CLEFT PATTERN

TRUEBLUE THERMAL PATTERN

\[ \frac{3}{8} \text{" THICKNESS} \]

23\(\frac{1}{3}\)" X 23\(\frac{1}{3}\)" rectified
60x60 cm

11\(\frac{1}{4}\)" X 23\(\frac{1}{3}\)" rectified
30x60 cm

11\(\frac{1}{4}\)" X 11\(\frac{3}{4}\)" rectified
30x30 cm
Full Color Cleft Pattern

- 23 1/3" x 23 1/3" rectified 
  60x60 cm
- 11 1/4" x 23 1/3" rectified 
  30x60 cm
- 11 1/4" x 11 1/4" rectified 
  30x30 cm

PENNSYLVANIA the new bluestone

n°24

¾” THICKNESS

n°25
TrueBlue Thermal Pattern

23 1/3” x 23 1/3” rectified
60x60 cm

11 1/4” x 23 1/3” rectified
30x60 cm

11 1/4” x 11 1/4” rectified
30x30 cm
**Special pieces**

**DOUBLE BEVEL COPING**
30x60 - 11¾"x 23½"
Available in all colours.

**FULL BULLNOSE COPING**
30x60 - 11¾"x 23½"
Available in all colours.

**Advantages**
- Lighter and easier to handle than concrete blocks
- Superior in strength and impact resistance to ceramic tiles
- Supports over 2000 lb
- Superior in fire resistance and durability to wood tiles
- Easier to clean stains, chemical and salt resistant
- Removable and reusable
- Easy to install
- Slip resistant and quick draining
- Thermal insulation (hot/cold)
- Superior in fire resistance and durability to wood tiles

**Installation**
- Installation on grass
- Installation on gravel
- Adhesive installation on footing
- Floating installation on spacer feet
- Raised installation on flat surfaces

**Patterns**

**A layng solution**

<table>
<thead>
<tr>
<th>Nr.</th>
<th>pcs</th>
<th>30x60</th>
<th>60x60 cm</th>
<th>%</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>29½x29½</td>
<td>60x60</td>
<td>57,2</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>11¾x60</td>
<td>30x60</td>
<td>28,5</td>
</tr>
<tr>
<td>1</td>
<td>3</td>
<td>11¾x11¾</td>
<td>30x30</td>
<td>14,3</td>
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</table>

**B layng solution**

<table>
<thead>
<tr>
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<th>pcs</th>
<th>30x60</th>
<th>60x60 cm</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>29½x29½</td>
<td>60x60</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>11¾x60</td>
<td>30x60</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>11¾x11¾</td>
<td>30x30</td>
<td>20</td>
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</table>

**C layng solution**

<table>
<thead>
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<th>pcs</th>
<th>30x60</th>
<th>60x60 cm</th>
<th>%</th>
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<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>23½x23½</td>
<td>60x60</td>
<td>44,5</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>11¾x23½</td>
<td>30x60</td>
<td>33,3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>11¾x11¾</td>
<td>30x30</td>
<td>22,2</td>
</tr>
</tbody>
</table>
Summary of Technical data

**TECHNICAL CHARACTERISTICS**

**STANDARDS CHARACTERISTICS OR PROPERTIES COMPLIANCE WITH STANDARDS DECLARED VALUE**

ISO - 10545-12
ASTM - C 1026
Frost resistance Requested Complies with standard

ISO - 10545-6
ASTM C - 1243-93
Abrasive wear <175 mm² 139 mm²

ISO - 10545-12
ASTM - C 484
Water absorption E < = 0.5 % < 0.1 %

ISO - 10545-12
ASTM - C 1243-93
Thickness / ASTM - C 499 +/- 1.02 mm Complies with standard

ISO - 10545-4
ASTM - C 650
Chemical resistance As reported Resistant

ISO - 10545-14
ASTM - C 648
Bending strength in N (thickness >= 7.5 mm) 250 LBF Average 225 LBF Individual

ISO - 10545-8
ASTM - C 1026
Coefficient of linear thermal-expansion - α = 6.3 x 10⁻⁶ °C⁻¹

ISO - 10545-4
ASTM - C 1243-93
Impact resistance - 0.88

EN 1339
Bendind strength - breaking force in N Kno 14.38 class 14

EN 1339
Bendind strength - breaking force in N Kno 14.38 class 14

EN 12633
Slip resistance > / = CL1 CL 2

DIN 51130
Slip resistance - R11

DIN 51097
Slip resistance - A + B + C min.

DM 236/89
B.C.R.A.
Slip resistance - > 0.40

EN 13051-1
Fire resistance - A1 - A1 FL

10X10 FLORENDA BUILDING CODE WIND UP LIFT TEST
3/4" thick 24"x24" porcelain installed on fixed height pedestals and 45° wind angle was blow of at

130 mph with no parapet 150 mph with 12" high parapet

To put this into context, the Saffir-Simpson Hurricane Wind Scale which is a 1 to 5 rating based on a hurricane’s sustained wind speed, defines wind speeds over 74 mph to be hurricane velocity where:

- Category 1 (74-95 mph) “Very dangerous winds will produce some damage”
- Category 2 (96-110 mph) “Extremely dangerous winds will cause extensive damage”
- Category 3 (111-156 mph) “Devastating damage will occur”

In the western North Pacific, the term “super typhoon” is used for tropical cyclones with sustained winds exceeding 150 mph.

**PACKAGING**

<table>
<thead>
<tr>
<th>Tile Size</th>
<th>Thickness</th>
<th>L x W</th>
<th>3/4&quot;</th>
<th>7/8&quot;</th>
<th>1&quot;</th>
<th>1 1/4&quot;</th>
<th>Weight / Box</th>
<th>Weight / pallet</th>
<th>Pallet Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>23½x23½</td>
<td>3/4&quot; - 20mm</td>
<td>2</td>
<td>7.75</td>
<td>42</td>
<td>340</td>
<td>165</td>
<td>279</td>
<td>9.3 lb</td>
<td>2650 lb</td>
</tr>
<tr>
<td></td>
<td>1 1/4&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>42&quot;x 42&quot;</td>
</tr>
<tr>
<td>11 3/4x23½</td>
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<td>4</td>
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<td>42</td>
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**PLUS vs MINUS**

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<tbody>
<tr>
<td>Water absorption</td>
<td>0.05%</td>
<td>1.6%</td>
</tr>
<tr>
<td>Resistance to stain</td>
<td>all</td>
<td>not guaranteed</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>resistant</td>
<td>not guaranteed</td>
</tr>
<tr>
<td>Fade resistance on exposure to light and W rays</td>
<td>no fading</td>
<td>change in color</td>
</tr>
<tr>
<td>Surfaces fragility</td>
<td>it does not flake and does not crumble</td>
<td>it flakes and crumbles</td>
</tr>
<tr>
<td>Lenght and Width</td>
<td>Dimension proportions are guaranteed</td>
<td>Dimension proportions are not guaranteed</td>
</tr>
<tr>
<td>Uniformity of thickness</td>
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<tr>
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<tr>
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<td>not guaranteed</td>
</tr>
<tr>
<td>Installation on pedestals / Raised floor</td>
<td>guaranteed</td>
<td>not guaranteed</td>
</tr>
<tr>
<td>Average Weight</td>
<td>46 kg / sqm</td>
<td>9.38 lbs / sq.ft.</td>
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| Breaking Strenght / Flexual Strenght | 3800 lbf | 1900 lbf |

**TO ITALIAN**

LA FABBRICA DELLE PIETRE EDI LA FABBRICA DELLE PIETRE

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