the fine art of porcelain stoneware
Floor: 13”x13”, 20”x20”, Pinwheel Mosaic
Backsplash: 6½”x6½”, 6½”x13”, 12”x24” - 13”x13”, 20”x20”

Mosaic - Square 3”x3” 13”x13”
Pinwheel Mosaic 13”x13”
Strip Mosaic 12”x12”

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6½"x6½" - 6½"x13" - 12"x24" - 13"x13" - 20"x20"

Mosaic - Square 3"x3" - 13"x13"

Pinwheel Mosaic - 13"x13"

Strip Mosaic - 12"x12"

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UL2X Chaco Canyon
Mosaic - Square 3”x3”
13”x13”

UL33 Chaco Canyon
Pinwheel Mosaic
13”x13”

UL37 Chaco Canyon
Strip Mosaic
12”x12”

UL27 Chaco Canyon
20”x20”

UL28 Chaco Canyon
13”x13”

UL2F Chaco Canyon
6½”x13”

UL2K Chaco Canyon
6½”x6½”

UL2T Chaco Canyon
3”x13” Bullnose

Trims Available

Click Here For Information
Floor: 20"x20"
Wall: Strip Mosaic

6½"x6½" - 6½"x13" - 12"x24" - 13"x13" - 20"x20"
Mosaic - Square 3"x3" 13"x13"
Pinwheel Mosaic 13"x13"
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## Technical

### ASTM Test Results

<table>
<thead>
<tr>
<th>Technical Characteristics</th>
<th>ASTM Standards</th>
<th>ASTM Test Results</th>
<th>ASTM Test Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption</td>
<td>≤ 0.50%</td>
<td>≤ 0.50%</td>
<td>C373</td>
</tr>
<tr>
<td>Frost Resistance</td>
<td>As Reported</td>
<td>Resistant</td>
<td>C1026</td>
</tr>
<tr>
<td>Scratch Resistance</td>
<td>MOHS 1-10</td>
<td>7</td>
<td>MOHS Scale</td>
</tr>
<tr>
<td>Breaking Strength</td>
<td>≥ 250 lbf.</td>
<td>≥ 557 lbf.</td>
<td>C648</td>
</tr>
<tr>
<td>Facial Dimension</td>
<td>-3.0% &lt; Nominal ≤ 3.0%</td>
<td>Within Standard</td>
<td>C499</td>
</tr>
<tr>
<td>Thickness</td>
<td>≤ 0.04 in (1.02 mm max)</td>
<td>Within Standard</td>
<td>C499</td>
</tr>
<tr>
<td>Wedging (squareness)</td>
<td>+/- 0.50% or +/- 2.0 mm**</td>
<td>Within Standard</td>
<td>C502</td>
</tr>
<tr>
<td>Warpage (flatness)</td>
<td>+/- 0.75% or +/- 2.3 mm**</td>
<td>Within Standard</td>
<td>C485</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>Class 0 - Class V</td>
<td>Class IV</td>
<td>C1027</td>
</tr>
<tr>
<td>DCOF-Dynamic Coefficient of Friction (Wet Areas Only)**</td>
<td>As Reported</td>
<td>Minimum 0.42</td>
<td>DCOF AcuTest™</td>
</tr>
<tr>
<td>SCOF-Static Coefficient of Friction (Dry)</td>
<td>As Reported</td>
<td>0.80 ≤ C.O.F. &lt; 0.90</td>
<td>C1028</td>
</tr>
<tr>
<td>SCOF-Static Coefficient of Friction (Wet)</td>
<td>As Reported</td>
<td>0.60 ≤ C.O.F. &lt; 0.70</td>
<td>C1028</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>Class A - Class E</td>
<td>Class A</td>
<td>C650</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>Class A - Class E</td>
<td>Class A</td>
<td>C1378</td>
</tr>
</tbody>
</table>

**Dynamic Coefficient of Friction (DCOF) - Water, oil, grease or other fluids create slippery conditions. When installing floors in areas with exposure to these conditions, a minimum D.C.O.F. value of 0.42 is required. Additionally, extra caution is required with regards to product selection and proper maintenance. Visit www.tcnatile.com for complete information regarding the DCOF AcuTest test method and values.

**SCOF AcuTest is the industry designation for the test procedure contained in ANSI A137.1 Section 9.6, which has been extensively researched, allows for in-situ field measurements, and is in use at tile manufacturing facilities. It was so named to distinguish it from other DCOF measurements using different instruments and/or protocols.

**Whichever is less

---

### Sizes

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Pcs</th>
<th>Sq. Ft.</th>
<th>Weight (lbs.)</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular Tile 6⅜&quot;x 6⅜&quot;*</td>
<td>51</td>
<td>478.38</td>
<td>2142</td>
<td></td>
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<tr>
<td>Modular Tile 6⅜&quot;x13&quot;</td>
<td>51</td>
<td>482.46</td>
<td>2091</td>
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<tr>
<td>Floor Tile 13&quot;x13&quot;</td>
<td>38</td>
<td>589.76</td>
<td>2774</td>
<td></td>
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<tr>
<td>Floor Tile 20&quot;x20&quot;</td>
<td>24</td>
<td>387.60</td>
<td>1896</td>
<td></td>
</tr>
<tr>
<td>Floor Tile 12&quot;x24&quot;</td>
<td>40</td>
<td>387.60</td>
<td>2120</td>
<td></td>
</tr>
</tbody>
</table>

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### Technical Packaging

- **Packaging**: Recommended for use in several applications including backsplashes, countertops, and outdoor installations.
- **3D Printing Technique**: Suitable for architectural projects where precise detailing and customization are required.
- **Technical**: Suitable for applications requiring high abrasion resistance and chemical resistance.
- **Packaging**: Ideal for projects requiring lightweight yet strong materials.
- **Contact Us**: For more information, visit www.tcnatile.com.
Benefits of 3d Printing Technique

**DIGITAL**
- The process is **DIGITAL** printing, exactly like a personal printer (ink jet printer).
- The printer combines 4 main colors (blue, yellow, black, brown) to create the colors in the design.
- The digital print process is different from rotocolor in that it does not touch the surface of the tile...the ink is “sprayed” on in a very controlled manner, allowing for intricate designs.

**DESIGN**
- The **DESIGNS** are practically limitless.
- The process allows us to scan in virtually any image and reproduce that image on tile, just like scanning and printing a picture.
- We have the ability to scan over 100 different pieces of 12x12 stone and recreate them exactly on the production line, at the maximum resolution.
- The degree of resolution determines the number of unique faces we begin with; at a lower resolution we can begin with more unique faces.

**DEFINITION**
- The **DEFINITION** achieved through this process is much higher than the typical rotocolor technology.
- Digital printing is measured by “dots per inch” or “dpi”. Higher “dpi” typically means better resolution. In this case, it can also be related to the number of unique faces of tile. The higher the resolution, the fewer unique faces.
- If we print approximately 100 12x12 tiles at the maximum 360 dpi, we will fill the memory. If we choose to lower the “dpi”, we can print a higher quantity of square footage without a repeat.
- The technology allows the design to be printed in all the grooves and indentations.
- Synchronizing patterns is not an issue.
- Will print to the edges, no more framing effect.
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Product Overview

Description: Archaeology Product Overview
Size: 8½’ x 11’

Description: Z449 Archaeology Babylon
Illustrated Sample Board
Size: 25’ x 25’

Description: Z450 Archaeology Chaco Canyon
Illustrated Sample Board
Size: 25’ x 25’

Description: Z451 Archaeology Crystal River
Illustrated Sample Board
Size: 25’ x 25’

Description: Z452 Archaeology Troy
Illustrated Sample Board
Size: 25’ x 25’

Brochure

Description: Z917 Archaeology Brochure
Size: 8½’ x 11’

Description: Z205 Archaeology Contractor Board
Size: 10½’x 14’

Description: Z206 Archaeology Graphic Panel
Size: 10½’ x 14’

Description: Z603 Archaeology Graphic Panel
Size: 10½’ x 14’

Contractor Board

Description: Z616 Archaeology Header Panel
Z199 Waterfall Display
Z617 Archaeology Babylon
Z618 Archaeology Chaco Canyon
Z619 Archaeology Crystal River
Z620 Archaeology Troy

Grouted Panel Display

Premier Retailer Display

Z603 Archaeology Graphic Panel
Z889 Archaeology Grouted Panel
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