



# Odyssey

Glazed porcelain tiles

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Size 11<sup>3</sup>/<sub>4</sub>" x 23<sup>5</sup>/<sub>8</sub>"

Thickness 8 mm

Finish Matte

V3 MODERATE VARIATION



| Field tiles                    | Commercial size (in) | Nominal size (in)                                                   | Thickness (mm) | Finish | Edge                                                                              |
|--------------------------------|----------------------|---------------------------------------------------------------------|----------------|--------|-----------------------------------------------------------------------------------|
|                                | 12" x 24"            | 11 <sup>3</sup> / <sub>4</sub> " x 23 <sup>5</sup> / <sub>8</sub> " | 8 mm           | Matte  | Calibrated                                                                        |
| Mosaics and coordinating trims | Commercial size (in) | Nominal size (in)                                                   | Thickness (mm) | Finish | Please refer to caliber chart for working size. Close joints are not recommended. |
|                                | Mosaic 2" x 2"       | 11 <sup>3</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>4</sub> " | 8 mm           | Matte  |                                                                                   |
|                                | Bullnose 3" x 24"    | 2 <sup>7</sup> / <sub>8</sub> " x 23 <sup>5</sup> / <sub>8</sub> "  | 8 mm           | Matte  |                                                                                   |

|                                         |                                                                                                                                   | Requirements |                                                                 |                                  |                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Property                                | Test Method                                                                                                                       | Calibrated   | Rectified                                                       |                                  |                                             |
| Regularity characteristics              |  <b>Nominal Size</b>                             | ASTM C499    | ±3.00%                                                          | -3.00% ÷ +2.00%                  | Compliant                                   |
|                                         | <b>Caliber Range</b>                                                                                                              |              | ±0.50% or ±0.08 in (±2.0 mm) (*)                                | ±0.25% or ±0.03 in (±0.8 mm) (*) | Compliant                                   |
|                                         | <b>Thickness <sup>(1)</sup></b>                                                                                                   |              | Range: 0.04 in (1.02 mm)                                        |                                  | Compliant                                   |
|                                         | <b>Wedging</b>                                                                                                                    | ASTM C502    | ±0.50% or ±0.08 in (±2.0 mm) (*)                                | ±0.25% or ±0.03 in (±0.8 mm) (*) | Compliant                                   |
|                                         |  <b>Warpage Edge</b>                           | ASTM C485    | ±0.75% or ±0.09 in (±2.3 mm) (*)                                | ±0.40% or ±0.05 in (±1.3 mm) (*) | Compliant                                   |
|                                         | <b>Warpage Diagonal</b>                                                                                                           |              | ±0.50% or ±0.08 in (±2.0 mm) (*)                                | ±0.40% or ±0.07 in (±1.8 mm) (*) | Compliant                                   |
| Structural characteristics              |  <b>Water Absorption</b>                       | ASTM C373    | ≤ 0.5%                                                          |                                  | ≤ 0.5%                                      |
| Bulk mechanical characteristics         |  <b>Breaking Strength</b>                      | ASTM C648    | Average ≥ 250 lbf. (1.11 kN)<br>Individual ≥ 225 lbf. (1.00 kN) |                                  | ≥ 350 lbf. avg                              |
| Physical properties                     |  <b>Bond Strength</b>                          | ASTM C482    | ≥ 50 psi. (0.34 Mpa)                                            |                                  | ≥ 100 psi.                                  |
| Thermal and hygrometric characteristics |  <b>Resistance to Freeze/Thaw Cycling</b>      | ASTM C1026   |                                                                 |                                  | Resistant                                   |
|                                         |  <b>Thermal Shock Resistance</b>               | ASTM C484    |                                                                 |                                  | Resistant                                   |
| Chemical characteristics                |  <b>Chemical Resistance</b>                    | ASTM C650    |                                                                 |                                  | Unaffected                                  |
|                                         |  <b>Stain Resistance</b>                       | ASTM C1378   |                                                                 |                                  | Unaffected                                  |
| Safety characteristics                  |  <b>Dynamic Coefficient of Friction (DCOF)</b> | ANSI A326.3  | Subject to the project <sup>(2)</sup> <sup>(3)</sup>            |                                  | ≥ 0.42 Wet Interior Wet (IW) <sup>(2)</sup> |

(\*) Whichever is less.

(1) Whichever is less, for tiles up to 24"x24" (610 mm x 610 mm).

(2) DCOF ≥0.42 Wet may not be a requirement for all projects.

(3) The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations. For updated manufacturer classification according to ANSI A326.3. Section 4 - "Product Use Categories", please refer to our website.

For more details please see the catalogue or visit [atlasconcordeusa.com](http://atlasconcordeusa.com)

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Declare.

