

# Glass Tile Specifications



**BISON**  
COATING  
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**Bison Coating and Supply** is the manufacturer of our glass tiles. Results from independent testing met and exceeded ASTM criteria set forth by ANSI standards.

The following test results were provided by the testing lab of the *Tile Council of North America*.

## Glass Tile Specifications

<b>Available Sizes:</b>	6"x6" Non-Tempered 12"x12" Tempered and Non-Tempered
<b>Tile Thickness:</b>	0.25 inches
<b>Applications:</b>	Floor and wall tile recommended for residential and commercial floors, walls, countertops and backsplashes. Not for installation in direct sunlight!

## Tile Council of America — Product Testing Results

<b>ASTM C1026:</b>	Tiles showed <b>NO</b> evidence of freeze-thaw damage after completing 15 cycles of freeze-thaw.
<b>ASTM C1028:</b>	Static Coefficient of Friction Dry = .86 Wet = .52
<b>ASTM C373:</b>	Water absorption rate of .37% = impervious
<b>ASTM C650:</b>	Resistance to Chemical Substances: Not affected by the following: Acetic Acid 3% & 10%; Ammonium Chloride, 100 g/L; Citric Acid Solution, 30 g/L & 100g/L; Lactic Acid, 5%; Phosphoric Acid, 10%; Sulfamic Acid, 3% & 10%; Swimming Pool Chemicals = Sodium Hypochlorite Solution, 20mg/L; Acids & Bases = Hydrochloric Acid Solution, 3% & 18%; Potassium Hydroxide, 30 g/L & 100 g/L
<b>ASTM C485:</b>	Warpage of Tile Edge warpage: -.02% Diagonal Warpage: 0.00%
<b>ASTM C499:</b>	Facial dimensions and thickness of tile Average difference of 0.020 inches
<b>ASTM C502:</b>	Wedging of Tile Average percent wedging was 0.03%
<b>ASTM C648:</b>	Average breaking strength is 1931 lbf
<b>Mohs' Scratch Hardness:</b>	5 (1-talc to 10-diamond)



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