

CHROMATIC | 8 mm | GLAZED PORCELAIN STONEWARE - TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

Chromatic – A high variety of colors that include classic marbles, modern stones, a deep black and the whitest white in 30"x30" size.

Recommended Applications:

Ideally suited for commercial and residential floors and walls.

Finishes/Textures:

- Honed
- Rectified

Size/thickness:

30" x 30" 1/3" nominal *(8 mm)

*denotes work size per ISO 10545-2

Recommended Grout Joint: 1/8" or greater

Grout joints of 1/8" inch or less, especially with larger format tiles or running bond patterns, may require floor flatness values in excess of the 1/4" in 10' (or 1/16" in 1.0') standard required by ANSI.

For patterns with running bond/brick joints patterns we recommend a maximum of 33% offset.

Deflection:

Substrate must conform to all state and local building code requirements and ANSI A108.01 for maximum allowable substrate deflection

Movement joints:

Movement joints shall be provided throughout the tile and work will conform to ANSI Specification A108.01-3.7; A108.02 – 4.4.and TCA Details EJ171.

Installation or setting materials:

Setting materials used will conform to the ANSI 118.4 standard or greater and be recommended by the selected manufacturer for the installation & setting materials for ceramic or porcelain tile based on the application requirements.

TECHNICAL DATA

| Physical Properties | ASTM Test | Industry Standards | Results |
|--|-----------------------------------|---|-----------------------|
| Water Absorption | C373 | Impervious < 0.5% | ≤ 0.1% |
| Thickness Dimension | C499 | Range ±0.04 Inc. Max | ≤ ±0.04 Inc. |
| Facial Dimension | C499 | ± 0.25% | ≤ ±0.25% |
| Warpage Average Diagonal | C485 | ±0.40% | ≤ ± 0.40% |
| Warpage Average Edge | C485 | ±0.40% | ≤ ±0.40% |
| Wedging Average | C502 | ±0.25% | ≤ ±0.25% |
| Bond Strength | C482 | ≥ 50 psi | ≥ 200 psi |
| Breaking Strength | C648 | ≥250 lbf | ≥ 400 lbf |
| Hardness (Mohs) | Scratch Test (No regulated) | Range 0-10 | ≥7 |
| Visible Abrasions Resistance for Glaze Tiles | C1027 | No Requirement Range 0 – 5 | Class 4 |
| Frost Resistance | C1026 | No samples must show alterations to surface | No Evidence of Damage |
| Chemical Resistance | C650 | No Requirement Range E- A | Class A |
| Stain Resistance | C1378 | No Requirement Range E- A | Class A* |
| DCOF Acutest | BOT 3000 | ≥ 0.42* | ≥ 0.42* |
| Aesthetic Class/Shade Rating | Visual Evaluation Shade & Texture | No Requirement Range V0-V4 | V2 |

DCOF*: all values given are for matte or honed material. No values are given for polished material. We do not recommend polished surfaces in areas subject to exposure from grease, oil or water.

INSTALLATION

Surface preparations:

All installation work will conform to the standards set forth in the latest version of ANSI A108/118 and/or the TCNA Handbook for Ceramic Tile installations.

All substrates should be between 40 degrees F and 90 degrees F and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds as per ANSI A108.01.