

PRODUCTS : PREMIUM REAL METAL RESIN MURALS 12"x12"/12"x16"

ASTM (AMERICAN SOCIETY for TESTING and MATERIALS) SPECIFICATION and METHODS

| TECHNICAL CHARACTERISTICS TEST | SPECIFICATION SUMMARY ASTM STANDARTS | ASTM TEST METHOD | Niche tiles ASTM TEST RESULTS |
|--|--------------------------------------|---------------------------|-------------------------------------|
| Abrasion Resistance | Class 0 – Class V | C1027 | Class 0 |
| Surface Resistivity | N/A | N/A | Non Conductive |
| Scratch Resistance | MOHS 1–10 | MOHS Scale | 5 |
| Breaking Strength | A137.1 ANSI 90 lbs ≤ | C648 | 158 lbs |
| Frost Resistance | As Reported | C1026 | Not Resistant |
| Chemical Resistance | Class A – Class E | C650 | Class B |
| Bond Strength (Portland Cement with Polymer Mixed) | A137.1 ANSI 50 PSI ≤ | C482 | 136 |
| Water Absorption | 2.0%to 5.0% | C373 | 0.5%to 3.0% |
| Surface Burning | N/A | E84–95B | Class B |
| Stain Resistance | Class A – Class E | C1378 | Class A |
| Wedging Test | A137.1 ANSI 0.6% ≤ | C502 | ≤ 0.594% |
| Facial Dimensions | A137.1 ANSI | C499 | Range – Max ≤ 0.59% Avarage ≤ 3% |
| DCOF–Dynamic Coefficient of Friction (Wet Areas Only) ¹ | As Reported | DCOF AcuTest ² | 0.42 |
| SCOF–Static Coefficient of Friction (Dry) | As Reported | C1028 | Pass |
| SCOF–Static Coefficient of Friction (Wet) | As Reported | C1028 | N/A (Floor Tile Only) |

1- 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.

2- DCOF 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.

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Tested Product Thickness : Between 2/5" to 1 1/2" (Relief Included) Installed and Used in Wet Areas