Niche tiles®

PREMIUM REAL METAL RESIN MURALS
TECHNICAL TEST RESULTS

PRODUCTS : PREMIUM REAL METAL RESIN MURALS 12"x18"

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	140 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	155
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. volue 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.

Document Number : QAD2016-22 REPORT DATE:05/04/2016

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