CINCA

Technical Characteristics
Unglazed Porcelain Mosaic

American National Standard Specifications for Ceramic Tile - ANSI A137.1 - 2017

Pressed Floor Tile - Class P1 - Vitreous - w.a. ≤ 0.5%

		Standard Specifications			CINCA Results
Property	**Test Method**	**Minimum**	**Maximum**	**Obs.**	
Calibrated Tiles					
Nominal Size	ASTM C499	-3.00%	+2.00%		±2.00% (Max. 5 mm)
Caliber Range	ASTM C499	-0.25% or -0.03 in (-0.8 mm)	+0.25% or +0.03 in (+0.8 mm)	1	±0.25% (Max. ±0.8 mm)
Warpage Edge	ASTM C485	-0.40% or -0.05 in (-1.3 mm*) or (-1.8 mm**)	+0.40% or +0.05 in (+1.3 mm*) or (+1.8 mm**)		±0.40% (Max. ±1.3 mm)
Warpage Diagonal	ASTM C485	-0.40% or -0.07 in (-1.8 mm)	+0.40% or +0.07 in (+1.8 mm)	1	±0.40% (Max. ±1.3 mm)
Wedging	ASTM C502	-0.25% or -0.03 in (-0.8 mm)	+0.25% or +0.03 in (+0.8 mm)	1	±0.25% (Max. ±0.8 mm)
All Tiles					
Thickness	ASTM C499	N/A	Range: 0.040 in (1.02 mm)	4	±5% (Max. ±0.5 mm)
Visible Abrasion Resistance (Only GL Tiles)	ASTM C1027	As Reported	As Reported	2	n.a.
Deep Abrasion (Only UGL Tiles)	ASTM C1243		See Table 11		Conforms
Bond Strengh	ASTM C482	≥ 50 psi (0.34 Mpa)			Conforms
Water Absorption	ASTM C373	0.00%	0.50%		P1 (up to 0.5%)
Color Uniformity	ASTM C609	n.a.	V0 - 3 Judds	3	n.a.
Crazing Resistance	ASTM C424	Pass		2	Resists
Thermal Shock	ASTM C484	Pass		2	Resists
Chemical Resistance	ASTM C650	As Reported	As Reported		UA, ULA
DCOF	Section 9.6	0.42		6	Above 0.43
Stain Resistance	ASTM C1378	As Reported	As Reported		Class 3
Breaking Strength	ASTM C648	Average ≥ 250 lbf (1.11 kN)	Indiv. ≥ 225 lbf (1.00 kN)		≥ 1.40 kN
Resistance to Freeze / Thaw Cycling	ASTM C1026	As Reported	As Reported	5	Resists

Obs.:

1 Whichever is less

2 Glazed Tile Only

3 Class V0 Tile Only

4 May not apply to textured surfaces or tiles with uneven back patterns

5 When installation subject to freeze / thaw conditions

6 For level interior spaces expected to be walked upon when wet

* Whichever is less for tiles up to 24" x 24" (610 mm x 610 mm)

** Aplies to tiles larger than 24" x 24" (610 mm x 610 mm)

n.a. Not Applicable

n.p.d. No Performance Declarated

GL Glazed Tiles

UGL Unglazed Tiles