














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TECHNICAL DATA || FLOOR TILES

ANSI A137.1: 2017
Pressed Floor Tile, Class P1 - Impervious (Porcelain) - w.a. ≤ 0.5%

Property		Minimum	Maximum	Obs.	Results
CALIBRATED TILES					
	Nominal Size	-3.00%	3.00%	-	OK
	Caliber Range	-0.50% or -0.08 in (-2.0 mm)	0.50% or 0.08 in (2.0 mm)	1	± 0.25%
	Warpage Edge	-0.50% or -0.07 in (-1.8 mm)	0.50% or 0.07 in (1.8 mm)	1	± 0.25%
	Warpage Diagonal	-0.50% or -0.07 in (-1.8 mm)	0.50% or 0.07 in (1.8 mm)	1	± 0.25%
	Wedging	-0.50% or -0.08 in (-2.0 mm)	0.50% or 0.08 in (2.0 mm)	1	± 0.25%
ALL TILES					
	Thickness	N/A	Range: 0.040 in (1.02 mm)	4	± 5%
	Visible Abrasion Resistance (Only GL Tiles)	As Reported	As Reported	2	-
	Bond Strength	≥ 50 psi (0.34 Mpa)	-	-	WHITE 5 BEIGE 5 DARK GREY 4 SILVER 4
	Water Absorption	0.00%	0.50%	-	P1 (up to 0.5%)
	Color Uniformity	n.a.	V0 – 3 Judds	3	n.a.
	Crazing Resistance	Pass	-	2	Resists
	Thermal Shock	Pass	-	2	Resists
	Chemical Resistance	As Reported	As Reported	-	GL: GA, GLA
	DCOF	0.42	-	6	Conforms
	Stain Resistance	As Reported	As Reported	-	Class 5
	Breaking Strength	Average ≥ 275 lbf (1.22 kN)	Indiv. ≥ 250 lbf (1.11 kN)	-	≥ 1.40 kN
	Resistance to Freeze / Thaw Cycling	As Reported	As Reported	5	Resists



V4 (Substantial Variation)

n.a. Not Applicable. **n.p.d.** No Performance Declared. **GL** Glazed Tiles. **UGL** Unglazed Tiles.












(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.

DISCLAIMER: Specifications subject to change without further notice. This information is issued as is and without any further warranty of fitness for a particular purpose, so in no event shall cinca be liable for any direct, indirect, or consequential damage whatsoever arising out of or in any way related to the use of their product.

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TECHNICAL DATA || WALL TILES

ANSI A137.1: 2012 Version 1
Glazed Wall Tile, Class P4 · Non-Vitreous · 7.0% < w.a. ≤ 20.0%

Property		Test Method	Minimum	Maximum	Obs.	Results
CALIBRATED TILES						
	Nominal Size	ASTM C499	-2.00%	2.00%	-	OK
	Caliber Range	ASTM C499	-0.30% or -0.04 in (-1.0 mm)	0.30% or 0.04 in (1.0 mm)	1	± 0.25%
	Warpage Edge	ASTM C485	-0.30% or -0.04 in (-1.0 mm)	0.40% or 0.05 in (1.3 mm)	1	± 0.25%
	Warpage Diagonal	ASTM C485	-0.30% or -0.05 in (-1.3 mm)	0.40% or 0.07 in (1.8 mm)	1	± 0.25%
	Wedging	ASTM C502	-0.40% or -0.05 in (-1.3 mm)	0.40% or 0.05 in (1.3 mm)	1	± 0.25%
ALL TILES						
	Thickness	ASTM C499	N/A	Range: 0.031 in (0.79 mm)	3	± 5%
	Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)	-	-	Conforms
	Water Absorption	ASTM C373	P4	P4	-	P4 (18.0% to 20.0%)
	Color Uniformity	ASTM C609	n.a.	V0 – 3 Judds	2	n.a.
	Crazing Resistance	ASTM C424	Pass	-	-	Resists
	Thermal Shock	ASTM C484	Pass	-	-	Resists
	Chemical Resistance	ASTM C650	As Reported	As Reported	-	GA, GLA
DCOF	DCOF	Section 9.6	-	-	-	-
	Stain Resistance	ASTM C1378	As Reported	As Reported	-	Class 5
	Breaking Strength	ASTM C648	Average ≥ 125 lbf (0.56 kN) Indiv. ≥ 100 lbf (0.44 kN)		-	≥ 0.50 kN
	Resistance to Freeze / Thaw Cycling	ASTM C1026	As Reported	As Reported	4	Non Resistant



V4 (Substantial Variation)

n.a. Not Applicable. **n.p.d.** No Performance Declared. **GL** Glazed Tiles. **UGL** Unglazed Tiles.

(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.

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