

Suggested Applications

floor wall residential light commercial heavy commercial exterior pools

Installation Suggestions

joint size: 1/8" modular setting plank installation
 edge: straight rustic rectified
 finish: matte polished structured
 honed semi-polished other _____

Porcelain Type

through-body color-bodied glazed unglazed double-loaded other _____

Shade Variation

V1 Uniform Appearance V2 Slight Variation V3 Moderate Variation V4 Substantial Variation
 thickness: mm inches **3/8**

Slip Resistance

COF (coefficient of friction)				DIN 51130	DIN 51097	Class	Typical applications	Critical angle
accessible routes	standard*	result	standard*	<input type="checkbox"/> R9* 3-10°	<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°	
	<input checked="" type="checkbox"/> .6	<input checked="" type="checkbox"/> .6	<input type="checkbox"/> .6	<input checked="" type="checkbox"/> R10 10-19°	<input type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°	
ramps	standard*	result	standard*	<input type="checkbox"/> R11 19-27°	<input checked="" type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°	
	<input type="checkbox"/> .8	<input checked="" type="checkbox"/> .7	<input type="checkbox"/> .8	<input type="checkbox"/> R12 27-35°				
			<input type="checkbox"/> .6	<input type="checkbox"/> R13 >35°				

Values: 0-0.50 Questionable, 0.50-0.60 Conditionally Slip Resistant, >0.60 Slip Resistant
 DCOF: .42
 *Industry Standard/ADA Requirements

ASTM C-1028
DIN 51097/51130

Scratch Resistance

Mineral
 1. Talc (Talc)
 2. Gypsum (Fingernail)
 3. Calcite (Penny)
 4. Flourite (Some Marbles)
 5. Apatite (Knife Blade)

Mineral
 6. Microline (Glass, Glazed Tile)
 7. Quartz (Unglazed Porcelain)
 8. Topaz (Granite)
 9. Corundum (Ruby)
 10. Diamond (Diamond)

Industry standard ≤175mm²

MOH'S SCALE **8**
UNI EN ISO 10545.6

Wear Resistance

PEI RATING UNI EN ISO 10545.7
 Class 1: Walls only
 Class 2: Resid. floors w/minimal abrasive traffic.
 Class 3: Resid. interiors normal use and foot traffic.
 Class 4: Light-medium commercial applications.
 Class 5: Commercial applications.

Stain Resistance

Water Absorption
 ASTM C-373
 UNI EN ISO 10545.3
 ≤.5

5: Removed after 5 minutes (hot water running)
 4: Removed by manual cleaning (weak detergent)
 3: Removed by mechanical cleaning (strong detergent)
 2: Removed by immersion (24 hrs in suitable solvent)
 1: Stain not removed

ASTM C1378-04
UNI EN ISO 10545.14 **5**

Absorbs 0-.5% **Impervious** Interior/exterior Frost Resistant
 Absorbs .5-3% **Vitreous** Interior/exterior Frost Resistant
 Absorbs 3-7% **Semi-Vitreous** Indoor use only
 Absorbs 7%+ **Non-Vitreous** Indoor use only

Breaking Strength

Industry standard should be greater than 250 lbs or 50 N/MM²

ASTM C648
UNI EN ISO 10545.4 **R>35**

Facial Dimension

ASTM c499-09
UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	<input checked="" type="checkbox"/>
thickness	± 6mm	± .5%	<input checked="" type="checkbox"/>
straightness	± 4.5mm	± .5%	<input checked="" type="checkbox"/> PASS
squareness	± 5.4mm	± .6%	<input checked="" type="checkbox"/>
sides L/W	± 1.1mm / ± 4.5mm	± .5%	<input checked="" type="checkbox"/>

Chemical Resistance

ASTM C650
UNI EN ISO 10545.13

Allowances for:
 acid PASS
 bases PASS
 chemicals PASS

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

	Allowances for:	1 Point	2 Points
Sustainable Sites Site selection SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.		<input type="checkbox"/>	
Energy & Atmosphere EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT		<input type="checkbox"/>	
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.		<input type="checkbox"/>	
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC		<input type="checkbox"/>	
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.		<input type="checkbox"/>	
Materials & Resources M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.		50% <input type="checkbox"/>	70% <input type="checkbox"/>
M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.		10% <input type="checkbox"/>	20% <input type="checkbox"/>
M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.		10% <input type="checkbox"/>	20% <input type="checkbox"/>
Innovation in Design ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.			<input type="checkbox"/>

Type: "Brick-Look" Porcelain Stoneware

Product Line: Gotham