



Albero 5

porcelain stoneware



TILE - PORCELAIN - STONE - MOSAICS - GLASS

COBSA-USA

NEW YORK | NEW JERSEY | MIAMI

PORCELAIN STONEWARE



BLANCO • 6x40

Blanco



DOM A5BL 640

Doussie



DOM A5DO 640

Grigio



DOM A5GR 640

Teaka



DOM A5TE 640

Suggested Applications

floor
 wall
 residential
 light commercial
 heavy commercial
 exterior
 pools

Installation Suggestions

joint size
 modular setting
 plank installation
 edge: straight
 rustic
 rectified
 finish:
 matte
 polished
 structured
 honed
 semi-polished
 other

Shade Variation

V1 Uniform Appearance
 V2 Slight Variation
 V3 Moderate Variation
 V4 Substantial Variation

thickness: mm inches

Slip Resistance

Coefficient of Friction
 WET: standard* .6 result >.78
 DRY: standard* .6 result >.83

Values: 0-0.50 Questionable, 0.50-0.60 Conditionally Slip Resistant, >0.60 Slip Resistant

DIN 51130
 R9* 3-10°
 R10 10-19°
 R11 19-27°
 R12 27-35°
 R13 >35°

DIN 51097

Class	Typical applications	Critical angle
<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
<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°

ASTM C-1028
DIN 51097/51130

*Industry Standard/ADA Requirements

Scratch Resistance

MOH'S SCALE 6
 UNI EN ISO 10545.6

Mineral
 1. Talc (Talc)
 2. Gypsum (Fingernail)
 3. Calcite (Penny)
 4. Fluorite (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

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

ASTM C1378-04
 UNI EN ISO 10545.14 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

Water Absorption

ASTM C-373
 UNI EN ISO 10545.3 ≤4

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

ASTM C648
 UNI EN ISO 10545.4 50

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

Facial Dimension

ASTM c499-09
 UNI EN ISO 10545.02

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

Chemical Resistance

ASTM C650
 UNI EN ISO 10545.13

Allowances for:
 acid
 bases
 chemicals

Lead Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

	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.		1-5 Points <input type="checkbox"/>

Type: Porcelain Stoneware

Product Line: Albero 5

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FARMINGVILLE, NY 11738

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E. BRUNSWICK, NJ 08816

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