

Vana



*Inspired By Nature,
Made Possible By...*



DOMVABE848





DOMVAGR848





DOMVANE848





DOMVAWH848



PORCELAIN STONEWARE



BEIGE



Suggested Applications

floor
 wall
 residential
 light commercial
 heavy commercial
 exterior
 pools

Installation Suggestions

joint size 2mm 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

Slip Resistance

COF (coefficient of friction)

	WET		DRY	
	standard*	result	standard*	result
accessible routes	.6		.6	
ramps	.8		.8	

DCOF >0.42

Values	Tile Classification
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: A Barefoot, but mainly dry aisles and walkways, dry changing areas $\geq 12^\circ$ B Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas) $\geq 18^\circ$ C Areas constantly under water, e.g. steps into pools, foot baths, inclined pool surrounds, jacuzzis (plus all Class A&B areas) $\geq 24^\circ$

*Industry Standard/ADA Requirements

ASTM C-1028
DIN 51097/51130

Scratch Resistance

Mineral

- Talc (Talc)
- Gypsum (Fingernail)
- Calcite (Penny)
- Flourite (Some Marbles)
- Apatite (Knife Blade)
- Microline (Glass, Glazed Tile)
- Quartz (Unglazed Porcelain)
- Topaz (Granite)
- Corundum (Ruby)
- Diamond (Diamond)

Industry standard $\leq 175\text{mm}^2$

MOH'S SCALE
UNI EN ISO 10545.6 140 mm²

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

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

Water Absorption

ASTM C-373 UNI EN ISO 10545.3 ≤ 0.10

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
 45 N/MM₂

ASTM C648
UNI EN ISO 10545.4

Facial Dimension

ASTM c499-09
UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	compliant
thickness	± 6mm	± .5%	
straightness	± 4.5mm	± .5%	
squareness	± 5.4mm	± .6%	
sides L/W	± 1.1mm ± 4.5mm	± .5%	

Chemical Resistance

ASTM C650
UNI EN ISO 10545.13

Allowances for: GA

result
 acid
 bases
 chemicals

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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

Type: Porcelain Stoneware
Product Line: Vana