

ALPINE

wood-look porcelain



CANCOS
TILE & STONE

AVANA

Alpine



USAALAV636



avana

> 6"x36" <

USAALAV848



avana

> 8"x48" <

Alpine

CHIARO



USAALCH636



chiaro

> 6"x36" <

USAALCH848



chiaro

> 8"x48" <

CREMA

Alpine



USAALCR636



crema

> 6"x36" <

USAALCR848



crema

> 8"x48" <

Alpine

PERLA



USAALPE636



perla

> 6"x36" <

USAALPE848



perla

> 8"x48" <

SCURO

Alpine



USAALSC636



scuro

> 6"x36" <

USAALSC848



scuro

> 8"x48" <

A photograph of a wood-grain laminate floor. In the top left corner, the corner of a white upholstered chair is visible. In the bottom right corner, a portion of a grey, textured, round rug is visible. The floor has a vertical wood grain pattern with varying shades of brown and tan.

ALPINE

Suggested Applications

Floor Wall Residential Light Commercial Heavy Commercial Exterior Pools

*Wear can vary greatly, please consult with a professional.

Installation Suggestions

Plank Installation* Modular Setting Joint Size **3/16**

*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (ie. 12x24) format tiles is recommended.

EDGE: Straight/Pressed Rustic Rectified

FINISH: Matte Polished Structured Honed Semi-Polished

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: **8mm** **# OF FACES:** **45-48**

Slip Resistance

DCOF	Values	Applications	DIN 51097	Critical Angle
0.55	0.42	Recommended Standard DCOF value for wet/dry commercial flooring	<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas $\geq 12^\circ$
	0.65	Recommended Standard DCOF value for ADA ramps	<input checked="" type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas) $\geq 18^\circ$
			<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, included pool surrounds, jacuzzis (plus all Class A&B areas) $\geq 24^\circ$

DIN 51130 *R9: Industry Standard/ADA Requirements **R11: Recommended For Exteriors

R9* (3-10°) R10 (10-19°) R11** (19-27°) R12 (27-35°) R13 (>35°)

ASTM C-1028
 ANSI A137.1
 DIN 51097/51130

Scratch Resistance

MINERAL

1. Talc (Talc)	6. Microline (Glass, Glazed Tile)
2. Gypsum (Fingernail)	7. Quartz (Unglazed Porcelain)
3. Calcite (Penny)	8. Topaz (Granite)
4. Flourite (Some Marbles)	9. Corundum (Ruby)
5. Apatite (Knife Blade)	10. Diamond (Diamond)

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

MOH'S SCALE
 UNI EN ISO 10545.6 **7**

Wear Resistance

PEI RATING UNI EN ISO 10545.7

Class 1: Walls only
 Class 2: Residential floors w/minimal abrasive traffic
 Class 3: Residential interiors/light commercial traffic
 Class 4: Medium commercial applications
 Class 5: All commercial applications/heavy traffic

*Wear can vary greatly, please consult with a professional.

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

Absorbs 0-.5% Absorbs .5-3% Absorbs 3-7% Absorbs 7% +

Impervious Interior/Exterior Frost Resistant	Vitreous Interior/Exterior Frost Resistant	Semi-Vitreous Indoor Use Only	Non-Vitreous Indoor Use Only
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Breaking Strength

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

ASTM C648
 UNI EN ISO 10545.4 **400 lbs**

Facial Dimension

ASTM c499-09
 UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	$\pm 5\text{mm}$	$\pm .5\%$	PASS
thickness	$\pm 6\text{mm}$	$\pm .5\%$	PASS
straightness	$\pm 4.5\text{mm}$	$\pm .5\%$	PASS
squareness	$\pm 5.4\text{mm}$	$\pm .6\%$	PASS
sides L/W	$\pm 1.1\text{mm}$ $\pm 4.5\text{mm}$	$\pm .5\%$	PASS

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

Sustainable Sites Site selection	1 Point
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>
Energy & Atmosphere	1 Point
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input checked="" type="checkbox"/>
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems	1 Point
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input checked="" type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input checked="" type="checkbox"/>
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input checked="" type="checkbox"/>

Materials & Resources	1 Point	2 Points
M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input checked="" 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 checked="" 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	1-5 Points	
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>	

Type: **Wood-Look Porcelain**

Product Line: **Alpine**

The marketing name for this product is property of Cancos Tile & Stone. This same product may be marketed under different names.