

# ALPINE

wood-look porcelain



**COBSA USA**  
NEW YORK | NEW JERSEY | MIAMI



# AVANA

*Alpine*



USAALAV636



*avana*

> 6"x36" <

USAALAV848



*avana*

> 8"x48" <

*Alpine*

CHIARO



USAALPE636



*chiaro*

> 6"x36" <

USAALPE848



*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



*scurio*

> 6"x36" <

USAALSC848



*scurio*

> 8"x48" <

A photograph of a light-colored 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 and white patterned rug is visible. The word "ALPINE" is overlaid in the center of the image in a white, stylized font.

*A*LPINE

# 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
<b>0.55</b>	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) $\geq 24^\circ$

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

**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°)

# 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)

**MOH'S SCALE**  
**UNI EN ISO 10545.6** **7**  
Industry standard  $\leq 175\text{mm}^2$

# 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

**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**

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

# Breaking Strength

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

Industry standard should be greater than 250 lbs or 50 N/MM<sup>2</sup>

# Facial Dimension

**ASTM C499-09**  
**UNI EN ISO 10545.02**

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

# Chemical Resistance

**ASTM C650**  
**UNI EN ISO 10545.13**

Allowances for: result  
 Acid **PASS**  
 Bases **PASS**  
 Chemicals **PASS**

# Leed Information

**REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION**

Sustainable Sites	1 Point
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	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 CobsA-USA. This same product may be marketed under different names.\*