

MARMI ONICE

large format porcelain tile



CANCOS
TILE & STONE

Marmi BIANCO VENATO EXTRA

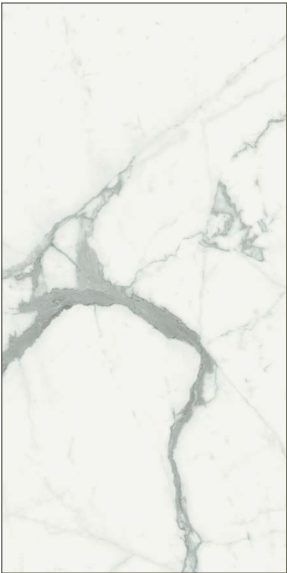


> 24"x24" <

Polished Finish
9mm thickness

44 faces

USAMAVX24L

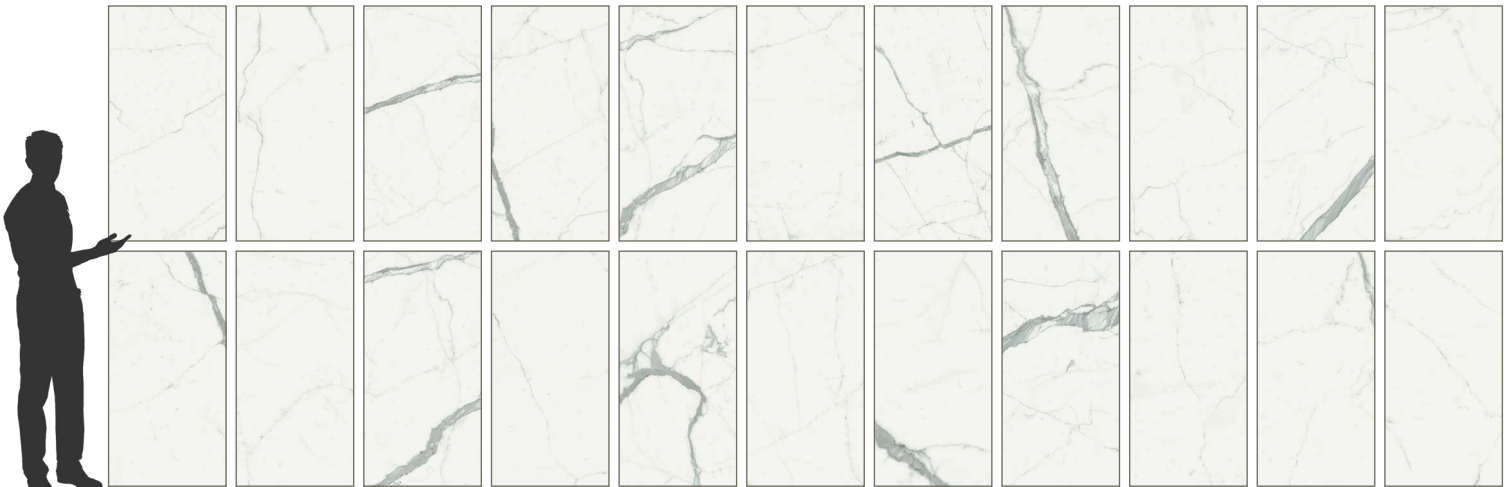


> 24"x48" <

Polished Finish
9mm thickness

22 faces

USAMAVX2448L



Faces are provided to show the variety; not intended for individual selection. Coordinating 60"x120" 6mm polished slabs are available; See our "Hard Rock Slabs 1/4" collection.

Marmi WHITE CALACATTA



> 24"x24" <

Polished Finish
9mm thickness

32 faces

USAMAWC24L



> 24"x48" <

Polished Finish
9mm thickness

16 faces

USAMAWC2448L



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Onice ALABASTRINO



> 24"x24" <

Polished Finish
9mm thickness

32 faces

USAOIAL24L



> 24"x48" <

Polished Finish
9mm thickness

16 faces

USAOIAL2448L



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Onice GHIACCIO



> 24"x24" <

Polished Finish
9mm thickness

32 faces

USAOIGH24L

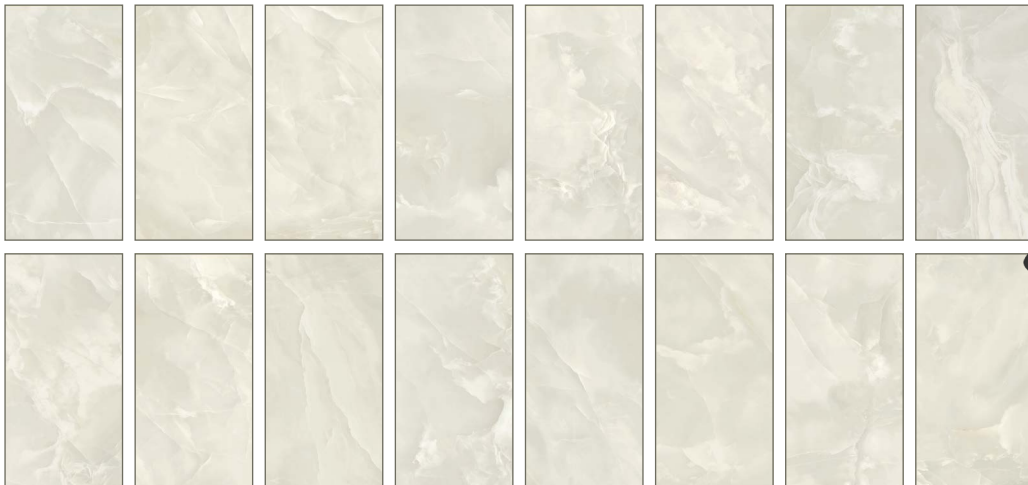


> 24"x48" <

Polished Finish
9mm thickness

16 faces

USAOIGH2448L



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Onice PERLA



> 24"x24" <

Polished Finish
9mm thickness

40 faces

USAOIPE24L



> 24"x48" <

Polished Finish
9mm thickness

20 faces

USAOIPE2448L



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Onice REALE



> 24"x24" <

Polished Finish
9mm thickness

32 faces

USAOIRE24L



> 24"x48" <

Polished Finish
9mm thickness

16 faces

USAOIRE2448L



Faces are provided to show the variety; not intended for individual selection. Coordinating 60"x120" 6mm polished slabs are available; See our "Hard Rock Slabs 1/4" collection.

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 **1/16"**

*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: **9mm** # OF FACES: **16+**

Slip Resistance

DCOF	Values	Applications	DIN 51097	Critical Angle
>0.42	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 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

<input checked="" type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
Impervious Interior/Exterior Frost Resistant	Vitreous Interior/Exterior Frost Resistant	Semi-Vitreous Indoor Use Only	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

>400 lbs.

Facial Dimension

ASTM c499-09
 UNI EN ISO
 10545.02

	Standard	Tolerance	Result
flatness	$\pm 5\text{mm}$	$\pm .5\%$	<input type="checkbox"/>
thickness	$\pm 6\text{mm}$	$\pm .5\%$	<input type="checkbox"/>
straightness	$\pm 4.5\text{mm}$	$\pm .5\%$	<input type="checkbox"/>
squareness	$\pm 5.4\text{mm}$	$\pm .6\%$	<input type="checkbox"/>
sides L/W	$\pm 1.1\text{mm}$ $\pm 4.5\text{mm}$	$\pm .5\%$	<input type="checkbox"/>

Chemical Resistance

ASTM C650
 UNI EN ISO
 10545.13

Allowances for:

result
 Acid CLASS A
 Bases CLASS A
 Chemicals CLASS A

Leed Information



REQUIREMENTS
 FOR COMMERCIAL
 INTERIORS/NEW
 CONSTRUCTION

Sustainable Sites	1 Point
Site selection	<input type="checkbox"/>
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input checked="" 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 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 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 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 checked="" 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 checked="" type="checkbox"/>
Innovation in Design	1-5 Points	
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>	

Type: **Large Format Porcelain**
 Product Line: **Marmi Onice**

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