

Palace

CERAMIC & PORCELAIN
STONE COLLECTION



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Palace CALACATTA

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Glossy Ceramic Wall Tile

CTPPACA1224LW



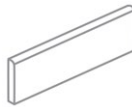
-12x24-

CTPPACA1224LWD



-12x24 curve-

CTPPACABN312LW



-3x12 bullnose-

Matte Porcelain Wall + Floor Tile

CTPPACA1224



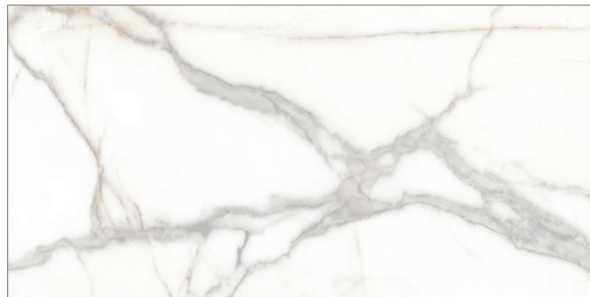
-12x24-

CTPPACA24



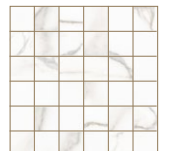
-24x24-

CTPPACA2448



-24x48 rectified-

CTPPACAMOS22



-2x2 mosaic-

CTPPACABN324



-3x24 bullnose-

CTS Pro+

Palace
DOLOMITE



Glossy Ceramic Wall Tile

CTPPADO1224LW



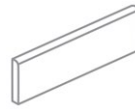
-12x24-

CTPPADO1224LWD



-12x24 curve-

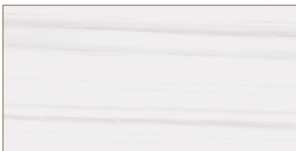
CTPPADOBN312LW



-3x12 bullnose-

Matte Porcelain Wall + Floor Tile

CTPPADO1224



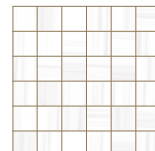
-12x24-

CTPPADO2448



-24x48 rectified-

CTPPADOMOS22



-2x2 mosaic-

CTPPADOBN324



-3x24 bullnose-



PALACE



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PRODUCT SPECIFICATIONS - Matte Porcelain Wall + Floor Tile

Suggested Applications

Floor Wall Residential Light Commercial Heavy Commercial Exterior Pools

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

Installation Suggestions

Plank Installation* **Joint Size** 1/16" = rectified edge, 1/8" = pressed edge

EDGE: Straight/Pressed Rustic Rectified

FINISH: Matte Polished Structured Honed Semi-Polished

*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.

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: 24x24 =8mm, 12x24 =9mm
OF FACES: 12x24=24, 24x24=24, 24x48=12

Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> 0.48	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
	0.65	Recommended Standard DCOF value for ADA ramps

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

DIN 51097

Class	Typical Applications	Critical Angle
<input checked="" 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 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°

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 ≤175mm²

MOH'S SCALE
 UNI EN ISO 10545.6

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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

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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

ASTM C648
 UNI EN ISO 10545.4

PASS



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% PASS
thickness	± 6mm	± .5% PASS
straightness	± 4.5mm	± .5% PASS
squareness	± 5.4mm	± .6% PASS
sides L/W	± 1.1mm / ± 4.5mm	± .5% PASS

Chemical Resistance

ASTM C650
 UNI EN ISO 10545.13

Allowances for:

	result
Acid	A
Bases	A
Chemicals	A

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 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"/> 12x24
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input checked="" type="checkbox"/> 12x24
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input checked="" type="checkbox"/> 12x24

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 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	1-5 Points	
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>	

Type: **Porcelain Stoneware**

Product Line: **PALACE**

The marketing name for this product is property of CTS Pro. This same product may be marketed under different names.

PRODUCT SPECIFICATIONS - Glossy Ceramic Wall Tile

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 Glossy

Tile Type

ceramic porcelain other through-body color-bodied glazed unglazed white-body other

Shade Variation

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

THICKNESS: **9mm** **# OF FACES:** **14**

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)
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Wear Resistance

PEI RATING
 UNI EN ISO
 10545.7

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Chemical Resistance

ASTM C650
 UNI EN ISO
 10545.13



Allowances for:

	result
Acid	A
Bases	A
Chemicals	A

Water Absorption

ASTM C-373
 UNI EN ISO
 10545.3



<input type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input checked="" type="checkbox"/> 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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ASTM c499-09
 UNI EN ISO
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	Standard	Tolerance	Result
flatness	±5mm	±.5%	PASS
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sides L/W	±1.1mm ±4.5mm	±.5%	PASS

Type: **Ceramic Stoneware**

Product Line: **PALACE**

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