

Naples

CERAMIC & PORCELAIN
STONE COLLECTION



CTS Pro

Naples IVORY

CTS | Pro⁺



Glossy Ceramic Wall Tile

CTPNAIV1224LW



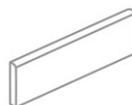
-12x24-

CTPNAIV1224LWD



-12x24 curve-

CTPNAIVBN312LW



-3x12 bullnose-

Matte Porcelain Wall + Floor Tile

CTPNAIV1224



-12x24-

CTPNAIV2448



-24x48 rectified-

CTPNAIVMOS22



-2x2 mosaic-

CTPNAIVBN324



-3x24 bullnose-

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Naples
WHITE



Glossy Ceramic Wall Tile

CTPNAWH1224LW



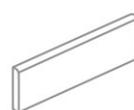
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CTPNAWH1224LWD



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-3x12 bullnose-

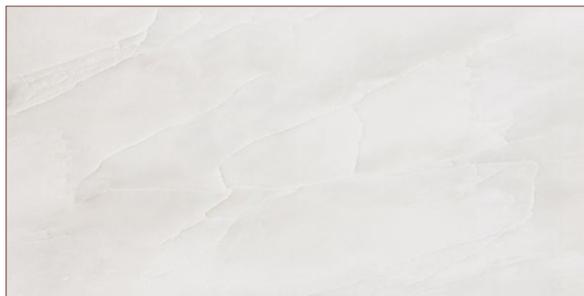
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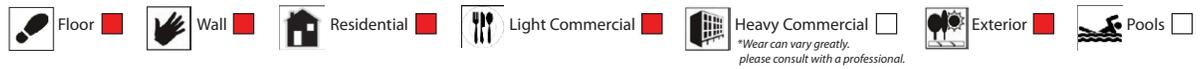
Naples



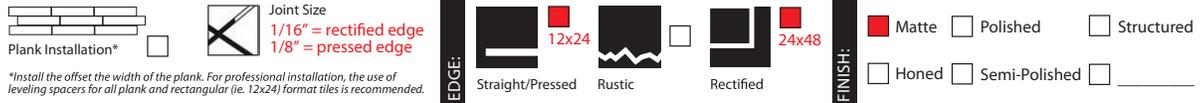
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PRODUCT SPECIFICATIONS - Matte Porcelain Wall + Floor Tile

Suggested Applications



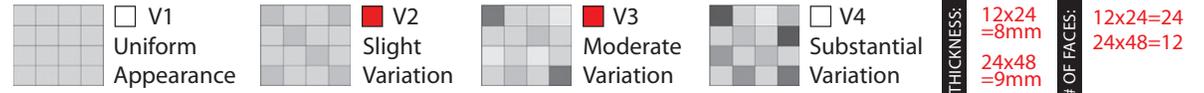
Installation Suggestions



Porcelain Type



Shade Variation



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

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°)

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

MOH'S SCALE
 UNI EN ISO 10545.6

5

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

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

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

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

Lead Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Category	Requirement	Points
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	EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	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	IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	1 Point
	IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>
Indoor Environmental Quality	IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	1 Point
	IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>
Indoor Environmental Quality	IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	1 Point
	IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>

Category	Requirement	Points
Materials & Resources	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	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"/>
Materials & Resources	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.	2 Points
	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"/>
Materials & Resources	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	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"/>
Innovation in Design	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	1-5 Points
	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>

Type: **Porcelain Stoneware**

Product Line: **NAPLES**

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

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Chemical Resistance

ASTM C650
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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

Type: **Ceramic Stoneware**

Facial Dimension

ASTM c499-09
 UNI EN ISO
 10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	PASS
thickness	±6mm	±.5%	PASS
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