

Portland

PORCELAIN
COLLECTION



CTS | Pro⁺

Portland LIGHT GREY

CTS Pro⁺



CTPPOLG1224



-12x24-

CTPPOLGBN324



-3x24 bullnose-

CTPPOLG2448



-24x48 rectified-

CTPPOLGMOS22



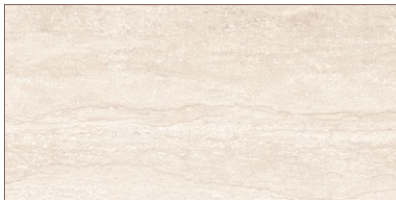
-2x2 mosaic-

CTS Pro⁺

Portland
SAND



CTPPOSA1224



-12x24-

CTPPOSABN324



-3x24 bullnose-

CTPPOSA2448



-24x48 rectified-

CTPPOSAMOS22



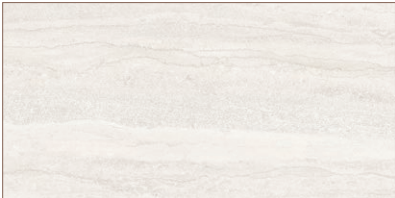
-2x2 mosaic-

Portland WHITE

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CTPPOWH1224



-12x24-

CTPPOWHBN324



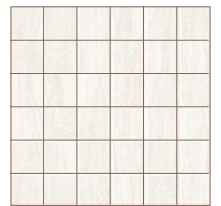
-3x24 bullnose-

CTPPOWH2448



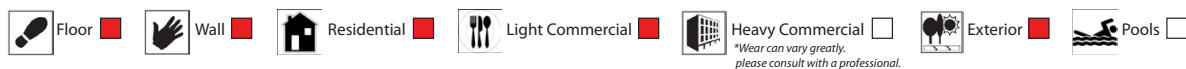
-24x48 rectified-

CTPPOWHMOS22

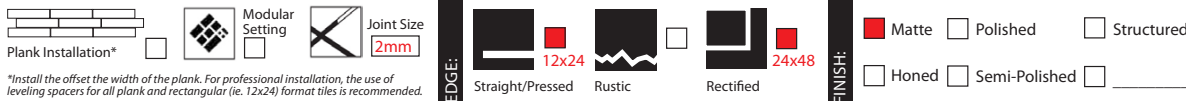


-2x2 mosaic-

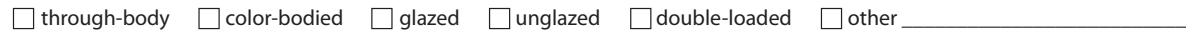
Suggested Applications



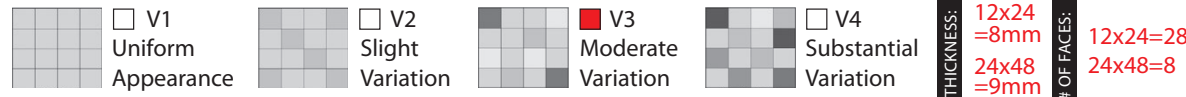
Installation Suggestions



Porcelain Type



Shade Variation



Slip Resistance

DCOF	Values	Applications
0.60	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. Fluorite (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

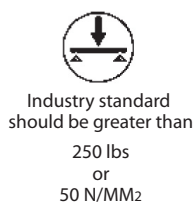
ASTM C-373
UNI EN ISO
10545.3

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

Breaking Strength

ASTM C648
UNI EN ISO
10545.4

PASS



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 V4.1 BD+C

MATERIAL AND RESOURCES

ID	Requirement/Criteria	Potential Score
MRp1	Storage and Collection of Recyclables	Required
MRc5	Construction and Demolition Waste Management	2 points ✓
MRC1	Building Life-Cycle Impact Reduction	4 points ✓
MRc2	Building Product Disclosure and Optimization - Environmental Product	1 point ✓
MRC3	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2 points ✓

INDOOR ENVIRONMENTAL QUALITY

ID	Requirement/Criteria	Potential Score
IEQC2	Low-Emitting Materials	3+ points ✓

Type: **Porcelain Stoneware**

Product Line: **PORTLAND**

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



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