

Essence

PORCELAIN
COLLECTION



CTS | Pro⁺

Essence BLANCO

CTS Pro



CTPESBL948



-9x48-

CTS Pro+

Essence
HAYA



CTPESHA948



-9x48-

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MIEL

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CTPESMI948



-9x48-

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** 2mm

*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:** 12-19

Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> 0.50	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
<input type="checkbox"/> 0.65	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

<input checked="" type="checkbox"/> R9* (3-10°)	<input type="checkbox"/> R10 (10-19°)	<input type="checkbox"/> R11** (19-27°)
<input type="checkbox"/> R12 (27-35°)	<input type="checkbox"/> 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

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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

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- 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% +
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%	<input checked="" type="checkbox"/> PASS
thickness	±6mm	±.5%	<input checked="" type="checkbox"/> PASS
straightness	±4.5mm	±.5%	<input checked="" type="checkbox"/> PASS
squareness	±5.4mm	±.6%	<input checked="" type="checkbox"/> PASS
sides L/W	±1.1mm ±4.5mm	±.5%	<input checked="" type="checkbox"/> PASS

Chemical Resistance

ASTM C650
 UNI EN ISO 10545.13

Allowances for:

result	
Acid	<input checked="" type="checkbox"/> A
Bases	<input checked="" type="checkbox"/> A
Chemicals	<input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/>
MRc1	Building Life-Cycle Impact Reduction	4 points <input checked="" type="checkbox"/>
MRc2	Building Product Disclosure and Optimization - Environmental Product	1 point <input checked="" type="checkbox"/>
MRc3	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2 points <input checked="" type="checkbox"/>

INDOOR ENVIRONMENTAL QUALITY

ID	Requirement/Criteria	Potential Score
IEQc2	Low-Emitting Materials	3+ points <input checked="" type="checkbox"/>

Type: **Porcelain Stoneware**

Product Line: **ESSENCE**

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



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