

Essence

PORCELAIN
COLLECTION



CTS | Pro⁺

Essence BLANCO

CTS Pro



CTPESBL948



-9x48-

CTS Pro+

Essence
HAYA



CTPESHA948



-9x48-

Essence MIEL

CTS | Pro+

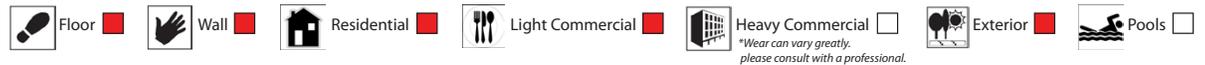


CTPESMI948

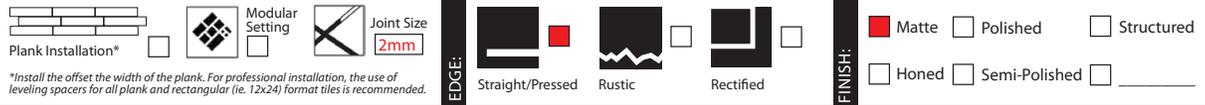


-9x48-

Suggested Applications



Installation Suggestions



Porcelain Type



Shade Variation



Slip Resistance

| DCOF | Values | Applications |
|-------------|--------|---|
| 0.50 | 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

MOH'S SCALE
UNI EN ISO 10545.6

6

| 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

| Absorbs 0-.5% | Absorbs .5-3% | Absorbs 3-7% | 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

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 | <input type="checkbox"/> |
| | Indoor Environmental Quality Low-Emitting Materials-Flooring Systems | 1 Point |
| Indoor Environmental Quality | 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 type="checkbox"/> |
| | 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 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 |
| Materials & Resources | 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 |
| Innovation in Design | ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance. | <input 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.