

# 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: # OF FACES:

# Slip Resistance

| DCOF                                      | Values | Applications                                                    |
|-------------------------------------------|--------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> >0.42 | 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                   |

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 type="checkbox"/> A            | Barefoot, but mainly dry aisles and walkways, dry changing areas                                                              | ≥12°           |
| <input checked="" 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, inclined pool surrounds, jacuzzis (plus all Class A&B areas) | ≥24°           |

ASTM C-1028  
 ANSI A137.1  
 DIN 51097/51130

# 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. Fluorite (Some Marbles) | 9. Corundum (Ruby)                |
| 5. Apatite (Knife Blade)   | 10. Diamond (Diamond)             |

Industry standard ≤175mm<sup>2</sup>

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<br>Interior/Exterior<br>Frost Resistant | Vitreous<br>Interior/Exterior<br>Frost Resistant | Semi-Vitreous<br>Indoor Use Only      | Non-Vitreous<br>Indoor Use Only       |

# Breaking Strength

  
 Industry standard should be greater than  
 250 lbs  
 or  
 50 N/MM<sup>2</sup>

ASTM C648  
 UNI EN ISO  
 10545.4

# Facial Dimension

ASTM c499-09  
 UNI EN ISO  
 10545.02

|              | Standard         | Tolerance | Result                   |
|--------------|------------------|-----------|--------------------------|
| flatness     | ±5mm             | ±.5%      | <input type="checkbox"/> |
| thickness    | ±6mm             | ±.5%      | <input type="checkbox"/> |
| straightness | ±4.5mm           | ±.5%      | <input type="checkbox"/> |
| squareness   | ±5.4mm           | ±.6%      | <input type="checkbox"/> |
| sides L/W    | ±1.1mm<br>±4.5mm | ±.5%      | <input type="checkbox"/> |

# Chemical Resistance

ASTM C650  
 UNI EN ISO  
 10545.13



Allowances for:

|           | result                   |
|-----------|--------------------------|
| Acid      | <input type="checkbox"/> |
| Bases     | <input type="checkbox"/> |
| Chemicals | <input type="checkbox"/> |

# Leed Information



REQUIREMENTS  
 FOR COMMERCIAL  
 INTERIORS/NEW  
 CONSTRUCTION

| Sustainable Sites                                                                                                             | 1 Point                             |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Site selection                                                                                                                | <input type="checkbox"/>            |
| SS CREDIT 1<br>Heat Island Effect-non roof<br>Material with a solar reflectant index of at least 29.                          | <input checked="" type="checkbox"/> |
| Energy & Atmosphere                                                                                                           | 1 Point                             |
| EA CREDIT 4<br>Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT | <input type="checkbox"/>            |
| Indoor Environmental Quality                                                                                                  | 1 Point                             |
| Low-Emitting Materials-Flooring Systems                                                                                       | <input type="checkbox"/>            |
| IEQ CREDIT 3.1-7<br>Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.                              | <input type="checkbox"/>            |
| IEQ CREDIT 4.1<br>Low Emitting Adhesives: Products less than 65 G/L VOC                                                       | <input type="checkbox"/>            |
| IEQ CREDIT 4.3<br>Low Emitting Materials: Flooring systems.                                                                   | <input type="checkbox"/>            |

## Materials & Resources

|                                                                                                                                                 | 1 Point                                 | 2 Points                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------|
| M&R CREDIT 2<br>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<br>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 checked="" type="checkbox"/> | 20% <input type="checkbox"/> |
| M&R CREDIT 5<br>Regional Materials: Materials manufactured within 500 miles of the project site.                                                | 10% <input checked="" type="checkbox"/> | 20% <input type="checkbox"/> |

## Innovation in Design

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

Type: **Porcelain Stoneware**

Product Line: **Vintage**

\*The marketing name for this product is property of Cancos Tile & Stone. This same product may be marketed under different names.\*