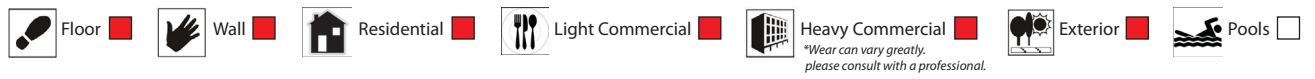
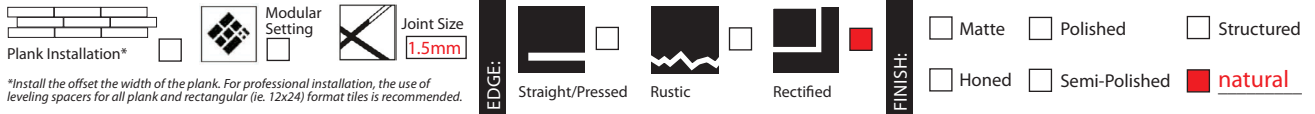


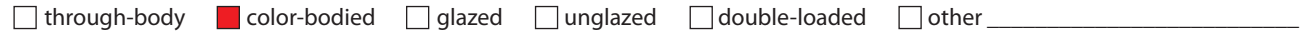
# Suggested Applications



# Installation Suggestions



# Porcelain Type



# Shade Variation



# Slip Resistance

DCOF	Values	Applications
<b>&gt;0.42</b>	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°)

**DIN 51097**

Class	Typical Applications	Critical Angle
<input checked="" 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>

# 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

# 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% +
<b>Impervious</b> Interior/Exterior Frost Resistant	<b>Vitreous</b> Interior/Exterior Frost Resistant	<b>Semi-Vitreous</b> Indoor Use Only	<b>Non-Vitreous</b> Indoor Use Only	

# Breaking Strength



# Facial Dimension

**ASTM c499-09**  
UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	<b>PASS</b>
thickness	±6mm	±.5%	<b>PASS</b>
straightness	±4.5mm	±.5%	<b>PASS</b>
squareness	±5.4mm	±.6%	<b>PASS</b>
sides L/W	±1.1mm / ±4.5mm	±.5%	<b>PASS</b>

# Chemical Resistance

**ASTM C650**  
UNI EN ISO 10545.13



Allowances for:

result	
Acid	<b>PASS</b>
Bases	<b>PASS</b>
Chemicals	<b>PASS</b>

# Leed Information



## REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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

## Materials & Resources

M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	1 Point	2 Points
50% <input type="checkbox"/>	70% <input checked="" type="checkbox"/>	
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"/>
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
<input checked="" type="checkbox"/>	

Type: **Porcelain Stoneware**

Product Line: **Harmony**

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