Suggested Applications

Floor ■ | Wall ■ | Residential ■ | Light Commercial ■ | Heavy Commercial ☐ *Wear can vary greatly. please consult with a professional. | Exterior ☐ | Pools ☐

Installation Suggestions

Plank Installation* ☐ | Modular Setting ☐ | Joint Size ☐

*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: 7mm

OF FACES: 40 = 12x24, 10 = 24x48, 6 = 48x48

Slip Resistance

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

DCOF: 0.42

Values	Applications
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
■ A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
☐ B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
☐ C	Areas constantly under water, e.g. steps into pools, foot baths, inclinded pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

Scratch Resistance

MOH'S SCALE
UNI EN ISO 10545.6

7

MINERAL

1. Talc (Talc)
2. Gypsum (Fingernail)
3. Calcite (Penny)
4. Flourite (Some Marbles)
5. Apatite (Knife Blade)
6. Microline (Glass, Glazed Tile)
7. Quartz (Unglazed Porcelain)
8. Topaz (Granite)
9. Corundum (Ruby)
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% — Impervious — Interior/Exterior Frost Resistant
☐ Absorbs .5-3% — Vitreous — Interior/Exterior Frost Resistant
☐ Absorbs 3-7% — Semi-Vitreous — Indoor Use Only
☐ Absorbs 7% + — Non-Vitreous — Indoor Use Only

Breaking Strength

ASTM C648
UNI EN ISO 10545.4

>42

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	GHA
Bases	GLA
Chemicals	GA

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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

Materials & Resources	1 Point	2 Points
M&R CREDIT 2 — Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% ☐	70% ☐
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% ☐	20% ☐
M&R CREDIT 5 — Regional Materials: Materials manufactured within 500 miles of the project site.	10% ■	20% ☐
Innovation in Design		1-5 Points
ID CREDIT 1 — Innovation in Design: Measurable exemplary environmental performance.		☐

Type: Porcelain Stoneware

Product Line: Realm

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