Suggested Applications	Floor Wall Residentia	l Ligh	*Wear can v	ommercial Exterior ary greatly.	Pools Pools
Installation Suggestions	Plank Installation*  *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 recommen	m	ressed Rustic Rectified	Matte Polished	
Porcelain Type	through-body color-bodied	glazed 🗌 un	nglazed	l 🗌 other	
Shade Variation	Uniform Slight Variation		V3 Moderate Variation	Substantial Variation	40: 24x48 110:12x24 b 200: 3x12
Slip Resistance ASTM C-1028 ANSI A137.1 DIN 51097/51130	DCOF  Values Applications  0.42 Recommended Standard DCO for wet/dry commercial flooring Recommended Standard DCO for ADA ramps  DIN 51130 **R9: Industry Standard/ADA Requirements ***R11: Recommended R9* (3-10°) R10 (10-19°) R11*** (19-20°) R12 (27-35°) R13 (>35°)	DF value  DF value  ended For Exteriors	B Shower rooms, pool surro disinfectant spray areas (p	isles and walkways, dry changing ounds, wet changing areas, lus all Class A areas) ater, e.g. steps into pools, foot bat jacuzzis (plus all Class A&B areas)	≥18°
Scratch Resistance MOH'S SCALE UNI EN ISO 10545.6	MINERAL  1. Talc (Talc) 2. Gypsum (Fingernail) 3. Calcite (Penny) 4. Flourite (Some Marbles) 5. Apatite (Knife Blade) Industry standard ≤175mm²  6. Microline (Glass, Glazed Tile) 7. Quartz (Unglazed Porcelain) 8. Topaz (Granite) 9. Corundum (Ruby) 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	3: Removed by mechanical cleaning	er orption		orbs .5-3% Absorbs 3-79	% Absorbs 7% +
ASTM C1378-04 UNI EN ISO 10545.14	2: Removed by immersion (24 hrs in suitable solvent)  1: Stain not removed  ASTIVUTE: UNI E 1:545	IN ISO	Interior/Exterior Interior	us Semi-Vitreous r/Exterior Indoor Use Only esistant	Non-Vitreous Indoor Use Only
UNI EN ISO	(24 hrs in suitable solvent)  UNI E	flatness thickness straightness squareness sides L/W	Interior/Exterior Interior Frost Resistant Frost Re  Standard Tolerance Result  ±5mm ±.5% PASS  ±4.5mm ±.5% PASS  ±4.5mm ±.5% PASS  ±5.4mm ±.6% PASS	/Exterior Indoor Use Only	
UNI EN ISO 10545.14  3-5  Breaking Strength  ASTM C648 UNI EN ISO 10545.14  >45 n	Industry standard should be greater than 250 lbs or 50 N/MM2  Sustainable Sites Site selection  SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.  Energy & Atmosphere  EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT Indoor Environmental Quality	flatness thickness straightness squareness sides L/W	Interior/Exterior   Interior	Chemical Resistance ASTM C650	Allowances for: result Acid PASS Bases PASS

Innovation in Design

ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.

1-5 Points

Product Line: ONYX

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.