Suggested Applications	floor wall	residential	ight heavy commercial	nercial	exterior	pools
Installation Suggestions	joint size modular setting plank installation	S straight	R Re rectified rectified	matte		structured othe <u>r</u>
Porcelain Type	☐ through-body ☐ color-bodied	☐ glazed	☐ unglazed ☐ double-lo	aded 🗌	other	
Shade Variation	Uniform	V2 Slight Variation		☐ V4 Substantial Variation	thickness:	# of faces:
Slip Z Resistance	COF WET DRY accessible standard* result standard* result routes	DCOF *rating not available in polished finish	R9* 3-10° A R10 10-19° R11 19-27° B	Shower rooms, p	inly dry aisles ry changing areas pool surrounds, eas, disinfectant	itical Angle ≥12° ≥18°
ASTM C-1028 DIN 51097/51130	Values Tile Classification 0-0.50 Questionable 0.50-0.60 Conditionally Slip >0.60 Slip Resistant	Resistant	R12 27-35°	Areas constantly into pools, foot b	all Class A areas) under water, e.g. steps aths, inclinded pool zis (plus all Class A&B an	>24°
Scratch Resistance MOH'S SCALE 6 UNI EN ISO 123 10545.6	Mineral 1. Talc (Talc) 2. Gypsum (Fingernail) 3. Calcite (Penny) 4. Flourite (Some Marbles) 5. Apatite (Knife Blade) Industry standard ≤1755mm² 6. Microline (Glass, Glazed Tile) 7. Quartz (Unglazed Porcelain) 8. Topaz (Granite) 9. Corundum (Ruby) 10. Diamond (Diamond) PEI RATING UNI EN ISO UNI EN ISO Class 1: Walls only Class 2: Resid. floors w/minimal abrasive traffic. Class 3: Resid. interiors normal use and foot traffic. Class 4: Light-medium commercial applications. Class 5: Commercial applications.					
Stain Resistance ASTM C1378-04 UNI EN ISO 10545.14	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 Absorbs Absorbs 05% Absorbs 05% Impervious Interior/exterior Frost Resistant Non-Vitreous Interior/exterior Frost Resistant					
Breaking Strength ASTM C648 UNI EN ISO 10545.4	Facial Dimension Industry standard should be greater than 250 lbs or 50 N/MM2 UNI EN ISO 10545.02 Facial Dimension Industry standard should be greater than 250 lbs or 50 N/MM2 UNI EN ISO 10545.02 Facial Dimension Industry standard straightness					
Leed Information	Sustainable Sites Site selection SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.		Materials & Resources M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	1 Point 50%	2 Points	shed Finish
REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW	Energy & Atmosphere EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	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.	10% 🗌	20% 🗌	Type: 24x48, 24x24 Porcelain Polished Finish
CONSTRUCTION	Indoor Environmental Quality Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7	1 Point	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% 🗌	20% 🗌	
	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.		Innovation in Design ID CREDIT 1 Innovation in Design Measurable exemplary environment	al performance.	1-5 Points	Product Line: RENAISSANCE Wall & Floor Tile
	LOW LITTICETTY MALETTAIS. FIGURITY Systems.	_				