Suggested Applications	Floor Wall Reside	ential Li	*Wear can	Commercial vary greatly, sult with a professional.	Pools
Installation Suggestions	Plank Installation* *Install the offset the width of the plank. For professional installation, the us leveling spacers for all plank and rectangular (le. 12x24) format tiles is reconstitution.	oint Size 2mm se of mmended. Straigh	at/Pressed Rustic Rectified	Matte Polished Honed Semi-Polish	Structured
Porcelain Type	through-body color-bodied	glazed 🗌	unglazed 🗌 double-loaded	d	
Shade Variation		V2 light ariation	V3 Moderate Variation	☐ V4 Substantial Variation	40: 24x48 110:12x24 200: 3x12
Slip Resistance ASTM C-1028 ANSI A137.1 DIN 51097/51130	DCOF Values Applications 0.42 Recommended Standard II for wet/dry commercial flo Recommended Standard II for ADA ramps DIN 51130 *R9: Industry Standard/ADA Requirements **R11: Recommended Standard II for ADA ramps R9* (3-10°) R10 (10-19°) R11** (10 R12 (27-35°) R13 (>35°)	DCOF value commended For Exteriors	B Shower rooms, pool surredisinfectant spray areas (p	nisles and walkways, dry changing are ounds, wet changing areas, olus all Class A areas) ater, e.g. steps into pools, foot baths, jacuzzis (plus all Class A&B areas)	Critical Angle ≥12° ≥18° ≥24°
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) 10. Diamond (Diamond) 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	1. Domovod by manual cleaning	ater osorption		• • • •	
Resistance ASTM C1378-04 UNI EN ISO 10545.14 3,4	(weak detergent) 3: Removed by mechanical cleaning (strong detergent) 2: Removed by immersion (24 hrs in suitable solvent) AST UN	TM C-373	Absorbs 05% Absorbs 0-interior/Exterior Interior	us Semi-Vitreous r/Exterior esistant Absorbs 3-7% Absorbs 3-7% Semi-Vitreous Indoor Use Only	Absorbs 7% + Non-Vitreous Indoor Use Only
ASTM C1378-04 UNI EN ISO	(weak detergent) 3: Removed by mechanical cleaning (strong detergent) 2: Removed by immersion (24 hrs in suitable solvent) AST UN	TM C-373 II EN ISO 545.3 flatness thickness straightness	Absorbs 05% Interior Frost Result ±.5mm ±.5% PASS ±4.5mm ±.5% PASS ±4.5mm ±.5% PASS	Semi-Vitreous Indoor Use Only esistant Chemical Resistance ASTM C650	Non-Vitreous
ASTM C1378-04 UNI EN ISO 10545.14 3,4 Breaking Strength ASTM C648 UNI EN ISO 10545.14	(weak detergent) 3: Removed by mechanical cleaning (strong detergent) 2: Removed by immersion (24 hrs in suitable solvent) 1: Stain not removed Facial Dimension ASTM c499-09 UNI EN ISO	TM C-373 II EN ISO 545.3 flatness thickness straightness squareness	Absorbs 05% Interior Frost Result ±.5mm ±5% PASS ±5.4mm ±5% PASS ±4.5mm ±5% PASS ±5.4mm ±6% PASS ±1.1mm ±5% PASS	Semi-Vitreous Indoor Use Only Properties Indoor Use Only Properties Indoor Use Only Properties Indoor Use Only	Non-Vitreous Indoor Use Only Allowances for: result Acid PASS Bases PASS

Innovation in Design

ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.

to hazardous cleaning chemicals.

IEQ CREDIT 4.3

IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC

 $Low\ Emitting\ Materials:\ Flooring\ systems.$

Product Line: LIVORNO

1-5 Points