

COVERINGS ETC

ECO-TERR®

Slabs Specification Sheet

SLABS SPECIFICATION SHEET

Heat Island Reduction - Nonroof	4.60M%
Flexural strength	6.90 Mpa
Resistance to abrasion	18.40 cm³/50cm²
Resistance to compression	70.00 N/mm²
Density	2.37 g/cm³
Slippage resistance Average	R9-R11 depending on finish
Total Acceptance Angle	13.71
Frost resistance	Resistant
Reaction to Fire	Class A-1

SLABS SPECIFICATION SHEET

TEST PERFORMED	ASTM	RESULTS
Static coefficient of friction	C-1028	Dry: 0.95 Wet: 0.92
Modulus of rupture	C-120	Dry: 1,800 psi Wet: 800 psi
Modulus of elasticity	C-469	1,75x106 psi
Shear strength	D-732	Dry: 1,200 psi Wet: 1,170 psi
Tensile strength	D-209	Dry: 600 psi Wet: 450 psi
Compressive strength	C-170	Dry: 3,900 psi Wet: 3,000 psi
Water vapor permeance	E-96	6.5 perms
Thermal conductivity (k)	C-58	1.43 BTU-In/Hr F
Flame spread and smoke development index	E-84	Flame: 0 index Smoke: 0 index

SLIP RESISTANCE

Anti-Slip Property DIN 51130 Ramp Test

Static Coefficient of Friction	ASTM C-1028 Dry: 0.95 Wet: 0.92
Average Total Acceptance Angle	13.7 degrees
Slippage Resistance Bushhammered + Brushed	R11
Slippage Resistance Brushed	R10
Slippage Resistance Honed 120	R10
Slippage Resistance Standard Honed	R9
Slippage Resistance Polished	None

DIN 51130 R-Value Slipperiness Classification

Classification	R9	R10	R11	R12	R13
Slip angle (°)	6-10	10-19	19-27	27-35	> 35

The R scale runs from R9 to R13, where R9 is slippery when wet, and R13 the least slippery. Floor surfaces that are classified by the DIN 51130 standard as R9 will be slippery when used in wet or greasy conditions.

ABOUT THE PRODUCT

Composition

Contains 70% pre-consumer recycled content (naturally occurring marble and granite aggregates) with a cementitious binder containing 5% pre-consumer recycled content (fly ash).

ECO-TERR® contains a high quantity of stone and cement of the best quality (Portland 5.25 1 Class) and is mixed with a limited amount of water (ratio water/cement 0.28 – 0.32), resulting in a very homogenous, dense and compact structure. With the process of vacuum-packing with vibro-compaction, the tile becomes better looking and more resistant.

ECO-TERR® Slabs are pre-cast and may be installed using butt joint method for a seamless landscape.

Applications

- Commercial and Residential
- Interior and Exterior
- Flooring, Walls, Countertops, Exterior Façade, Pool Terraces, Industrial Design

Benefits

- Calibrated
- Highly resistant to UV rays, light, compression, and atmospheric agents
- Composed of completely natural and eco-compatible elements
- Fire Proof – Class A Fire Rated
- Zero VOC's
- Non-Porous Cleanable Finish
- Does not support microbial growth or allow moisture to accumulate
- Helps to maintain a mold-free environment with improved indoor air quality
- Easy to install and maintain
- 60+ Life Cycle Assessment factor (LCA)
- May help contribute toward LEED® credits with USGBC project certification

ABOUT THE PRODUCT

FINISHES

- Polished
- Honed
- Brushed

SIZES

- 100 x 56 x 1 ¼"
- 120 x 49 x 1 ¼"

Custom Cutting at Factory Available

Ensuring Color Consistency

To prevent stains from occurring prior to finishing, installer should use preventative measures throughout the entire installation phase. i.e. plastic or paper/cardboard covers.

After installation and finishing, and prior to sealing, be sure the surface is clean and grease free. A degreasing detergent may be required. A protective stain resistant sealant is recommended for floors exposed to high impact traffic as well as countertops.

To seal clean and dry surfaces apply a stain resistant impregnating hydro-repellent protection or oil-repellent that will not alter the aesthetic appearance of the Slabs. An alternative to this highly-protective treatment would be to apply a coat of floor-finishing wax with a suitable applicator. Always make reference to manufacturer's guidelines for application instructions.

To maintain surface luster apply standard cleaning methods and use neutral detergents. Cleaning products that contain acid (even when diluted), alkaline detergents, strong solvents and paint strippers must be avoided. Cleaning can be simply done by wet mopping with a neutral detergent; then rinse thoroughly with clean water and let dry.

To restore waxed surface gloss, coat periodically with a solution of the original finish wax diluted with water.

ABOUT THE PRODUCT

PRODUCT INFORMATION

No two Slabs are alike. After installation some Slabs may appear to lack uniform coloring. This is a natural phenomenon related to the evaporation process. When freshly installed, the humidity absorbed by the Slabs from the adhesive can vary in tone from center to edges. It is destined to disappear during the drying process.

STORAGE

ECO-TERR® should be stored indoors since climatic conditions could affect the material causing damage to the surface or finish. The way the material is packaged, rain, etc, would only affect the sides of the slab, but not the inside. Thus the edges would look “worn” or “different” compared to the center facing. This does not contradict exterior installation - when installed outside the material ages the same across the entire surface.

Once received it is advised to install materials promptly. Do not leave materials in storage for any length of time as moisture and light can alter condition of materials when stored pressed together. Long term storage could cause discoloration or fluorescence, especially in lighter colors.