

1. PRODUCT NAME

Natural Elements Luxury Vinyl Stone Tile

2. COMPANY INFORMATION

Flexco Corporation
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3. PRODUCT DESCRIPTION

3.1 Basic Application and Construction

Flexco Natural Elements Luxury Vinyl Stone Tile is designed for use in commercial and residential applications. The Natural Elements Luxury Vinyl Stone Tile collection features a natural stone look. It's rugged construction, including a 0.028" (28 mil) wear layer topped with a UV cured ceramic bead finish permits maximum durability ensuring long lasting beauty without the use of a floor finish. The composition ensures 100% recyclable product while consisting of 72% recycled materials. The addition of Nano-Silver particles in the wear layer reduces 99.9% of Staph and E. coli present within 24 hours. With excellent resistance to abrasion, chipping, cracking, and permanent indentations for heavy-duty performance requirements and to help conceal most substrate irregularities, and yet it is flexible for fast and economical installations. Natural Elements Luxury Vinyl Stone Tile is the perfect choice for lobbies, office buildings, banks, healthcare facilities, luxurious residential and commercial condominiums, or wherever both function and high design are essential to provide the effect of elegant polished stone. The surface includes an embossed surface to enhance the rich look of stone, while adding slip resistance qualities to the tile. Precision cutting allows for easy installation with tight seams. Contributes to LEED® CI and NC credits MR 4. For detailed LEED information, see flexco.ecoscorecard.com. Contact Flexco or see www.flexcofloors.com for the latest color selections.

3.2 Product Types

Natural Elements Luxury Vinyl Stone Tile

- Gauge: .120" (3 mm)
- Size: 18" x 18" (457.2 mm x 457.2 mm)
- Packaging: 16 Pcs / Ctn (36 Sq Ft / Ctn)

4. TECHNICAL DATA

ASTM F 1700 - Solid Vinyl Tile; Class III, Type A & B
ASTM E 648 (NFPA 253), Critical Radiant Flux - Class 1
ASTM E 662 (NFPA 258), Smoke Density - Passes
ASTM F 925, Chemical Resistance - No Change
ASTM C 1028, Slip Resistance - > 0.60
ASTM F 970, Static Load - 250 PSI; Modified 2000 PSI, -.005"
ASTM F 1514, Heat Stability - Passes
ASTM F 1515, Light Stability - Passes

5. PRODUCT LIMITATIONS

- Must be installed using Flexco Spray-Grip for Vinyl, Flexco 16/86 Multi-Performance Tile & Tread Adhesive, or Flexco 77 Solvent-Free Epoxy Adhesive
- Flexco does not recommend the use of floor finishes, sealers or waxes of any kind, maintain desired sheen and shine through maintenance procedures

- May stain if allowed to remain in contact with products that contain staining ingredients such as tires, casters, and walk-off mats
- Ensure that any disinfectant, cleaning agent, dye, pesticide, or other chemical (solid, liquid, or gas) that may come in contact with the flooring will not produce permanent discoloration and/or damage to the flooring
- Not to be used in or near commercial kitchens or other areas exposed to animal fats, greases, oils, solvents, strong detergents or where there is excessive moisture
- Not to be used in areas that may be subjected to sharp spikes, cleats, sharp wheels, or other objects that could damage the flooring
- Use appropriate floor protection devices, dragging or improperly moving furniture or equipment across the surface of the tile or dropping objects onto the surface of the tile may cause permanent damage to the flooring
- Not to be used in direct contact with heat sources, such as radiators, hot ovens or other heated equipment
- Not to be used in outdoor applications

6. INSTALLTION

6.1 General Preparation and Conditioning

- Allow all trades to complete work prior to installation of Flexco Natural Elements Luxury Vinyl Stone Tile
- Deliver all materials to the installation location in its original packaging with labels intact
- Remove any plastic stretch wrap and strapping from product after delivery to jobsite
- Do not stack pallets of material to avoid any damage
- Maintain the installation area, tile and adhesive between 65° F (19° C) and 85° F (30° C) for at least 48 hours before installation, during installation, and after the installation
- Remove material from cartons and stack evenly on a smooth dry surface no more than 18" high
- Inspect all material for proper type and color
- Conduct the proper moisture emission and pH testing on the substrate

6.2 Substrate Inspection and Preparation

Inspect all substrates prior to installation. All substrates must be clean, smooth, permanently dry, flat, and structurally sound. The substrate must be free of moisture, dust, sealers, paint, curing compounds, parting agents, residual adhesives, adhesive removers, hardeners, resinous compounds, solvents, wax, oil, grease, asphalt, gypsum compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, any other extraneous coatings, films, materials and all other foreign matter which might interfere/restrict proper adhesive bonding. In renovation or remodel work, remove all existing adhesive residue so that 100% of the overall area of the original subfloor/substrate is exposed.

6.3 Adhesive Information

Flexco Spray-Grip Adhesive for Vinyl

- Smooth Substrates; Coverage is approximately 160 – 190 Square Feet



- ASTM F 1869, Calcium Chloride: 5.0 Lbs
- ASTM F 2170, Relative Humidity: 75%
- pH: 9 or less

- VOC Information; 0 g/L
- FloorScore Certified
- LEED Compliant
- Moisture Requirements:
 - ASTM F 1869, Calcium Chloride: 7.0 Lbs
 - ASTM F 2170, Relative Humidity: 85%
 - pH: 11 or less

7. PRODUCT MAINTENANCE

- Use premium cleaners for Vinyl Flooring such as Bona® Stone, Tile & Laminate Floor Cleaner
- For large commercial areas use an Auto Scrubber with white pads and a mild solution of Neutral pH cleaner
- Initial cleaning 48 Hours after installation
- Daily sweep & Vacuum to remove loose dirt & debris

Flexco 16/86 Multi-Performance Tile & Tread Adhesive

- Smooth Porous Substrates, 1/16" x 1/16" x 1/16" Flat V Notch; Coverage is approximately 125 – 150 Square Feet / gallon



- Rough Porous Substrates, 1/16" x 1/16" x 1/16" Square Notch; Coverage is approximately 100 – 125 Square Feet / gallon



- Smooth Non-Porous Substrates, 1/32" x 1/16" x 1/32" U Notch; Coverage is approximately 150 – 175 Square Feet / gallon



- VOC Information; <13 g/L
- Green Label Plus Certification
- CHPS Compliant
- LEED Compliant
- Moisture Requirements:
 - ASTM F 1869, Calcium Chloride: 4.0 Lbs
 - ASTM F 2170, Relative Humidity: 70%
 - pH: 9 or less

Flexco 77 Solvent Free Epoxy Adhesive

- Smooth Substrates, 1/32" x 1/16" x 1/32" U Notch; Coverage is approximately 150 – 175 Square Feet / gallon



- Rough Substrates, 1/16" x 1/16" x 1/16" Flat V; Coverage is approximately 125 – 150 Square Feet / gallon



- VOC Information; Part A: .13 g/L, Part B: 2.4 g/L, 1.211g/L when mixed
- Green Label Plus Certification
- CHPS Compliant
- LEED Compliant
- Moisture Requirements:

8. SAMPLES

Obtain Samples calling Flexco Customer Service or by visiting www.flexcofloors.com.

9. AVAILABILITY AND COST

Products are available through Flexco distributors. Contact Flexco Customer Service or visit www.flexcofloors.com for a list of distributors.

10. LIMITED WARRANTY

Limited One (1) Year Manufacturers Warranty
 Limited Ten (10) Year Wear Warranty

Refer to Flexco Natural Elements Luxury Vinyl Stone Tile Installation or Maintenance documentation for any additional detailed information.

www.flexcofloors.com/technicalsupport/index.html