



Summit International Flooring



## Earth Rubber/Cork Flooring Tiles Technical Specifications

### Composition & Materials

Earth Flooring is available in Square Cut or Interlocking tiles and is composed of Cork Granules (0.5-1.5mm), EPDM (Virgin rubber) granules and bound with a polyurethane binder.

All tiles are produced in block form (not cut from rolled material) sliced and precision cut using computerized numerically controlled (CNC) water-based equipment. Thickness tolerance is a maximum of +/- 0.5mm. (Interlocking tiles are fully reversible.)

### Special Considerations:

- Use caution when choosing high color products for sport applications.
- High color product not recommended for use where ice skates are used.
- In areas with heavy rolling loads, a minimum of 6mm glue down product is recommended. Interlocking tiles recommended for use in dry, temperature controlled environments only.
- In areas where pallet jacks are used, premature wear may occur. Glue down installation only. Not suitable for use in food preparation zones.

### Product Information

- Square Cut (glue down installation)
  - Size - nominal
    - 38" x 38" = 10.02 ft<sup>2</sup>. (96.5 cm x 96.5 cm = 0.93 m<sup>2</sup>)
- Thickness +/- 0.5mm
  - 4mm = 5/32"
  - 6mm = 1/4"
  - 8mm = 5/16"
  - 10mm = 3.8"
  - 12mm = 1/2"
- Interlock (no glue required)
  - Size - nominal
    - 37" x 37" = 9.5 ft<sup>2</sup> (94 cm x 94 cm = 0.88 m<sup>2</sup>)
  - Thickness +/- 0.5mm
    - 8mm = 5/16"
    - 10mm = 3.8"
    - 12mm = 1/2"

### Design & Basic Use

Earth Flooring is designed for use in a multitude of retail and commercial applications. Excellent impact and sound absorbing qualities make it ideal for corporate offices, libraries, retail establishments and hospitality. The extreme durability of this product results in flooring that will outlast the alternatives, making it the product of choice for high use commercial facilities.



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### Limitations

The following chemicals may cause damage to the surface and should be avoided: kerosene, solvents, grease, auto oil, vegetable oil/fat, and highly concentrated acids and/or bases. This product is not suitable for service environments that have heavy vehicular traffic, rolling or sliding machinery, or similar uses, unless fully adhered.

### Installation Methods

- Square style
  - Fully adhered, use recommended adhesives. See adhesive manufacturers' recommendation for moisture tolerance.
- Interlock style
  - Loose lay, no adhesive required. For indoor use, no moisture present, no rolling loads.
- Refer to Installation & Maintenance Guidelines for information relating to sub-surfaces listed:
  - Concrete sub-surface
  - Wooden sub-surface

### Recommended Installation Applications

- Best Applications:
  - Retail
  - Hospitality
  - Commercial spaces
  - Education
  - Multi use facilities
- Features:
  - Long life expectancy
  - Superior sound and impact absorption
  - Easy maintenance
  - Renewable content
  - High traction
  - Improved underfoot comfort
  - Contributes to LEED credits

TEST	DESCRIPTION	RESULTS
ASTM C423-09A	Sound Absorption/Noise Reduction Coefficient	6mm 0.04
ASTM C501	Taber Abrasion (H-22)	1.39% wt. Loss
ASTM D2047	Static Coefficient of Friction (James Machine Method)	Dry 0.78
ASTM D2240	Hardness Shore A Durometer	65 Indentation
ASTM D395B	Compression Set Under Force at 25%	82.2% Recovered
ASTM D412	Break Load and Elongation	204.4 lbs/sq. in.
ASTM E648	Critical Radiant Flux (Fire Test)	0.39 Watts/sq cm
ASTM E492-09	Impact Sound Transmission	6mm - IIC 58
ASTM F137	Flexibility	6mm Mandrel PASS
ASTM F-150 (NFPA 99)	Electrical Resistance: • Surface to Surface • Surface to Ground	2.8 × 10 <sup>11</sup> Ohms    4.0 × 10 <sup>10</sup> Ohms
ASTM F1914	Short Term Indentation and Residual Indentation	0.064 inch
ASTM F970	Static Load (250 lbs)	0.009 inch residual compression