



## TECHNICAL SPECIFICATIONS

<b>Construction:</b>	Commercial Grade Eco-Forward Construction with Sequentially Applied Cross-Linked Coatings
<b>Wear Surface:</b>	100% Solids 2-Coat Urethane UltraCLEAR™ system
<b>Design:</b>	ChromaTRU™ Dimensional, High-Fidelity Digital Imaging (waterborne inks)
<b>Core:</b>	Mineral Composite (limestone and proprietary polymer)
<b>Nominal Overall Gauge:</b>	0.160" (4 mm)

Nominal Size	7" x 48"	12" x 24"	24" x 24"
Actual Size	7" x 47.836"	11.813" x 23.75"	23.75" x 23.75"
Edges	Micro Bevel	Micro Bevel	Micro Bevel
Pieces per carton	10	12	8
Cartons per pallet	60	72	36
Pallets per truck	17	14	21
Coverage per piece	2.325 sq. ft. (0.22 m <sup>2</sup> )	1.948 sq. ft. (0.18 m <sup>2</sup> )	3.917 sq. ft. (.36 m <sup>2</sup> )
Coverage per carton	23.25 sq. ft. (2.16 m <sup>2</sup> )	23.38 sq. ft. (2.17 m <sup>2</sup> )	31.34 sq. ft. (2.91 m <sup>2</sup> )
Coverage per pallet	1,395 sq. ft. (129.6 m <sup>2</sup> )	1,683.36 sq. ft. (156.39 m <sup>2</sup> )	1,128.24 sq. ft. (104.82 m <sup>2</sup> )
Coverage per truck	23,715 sq. ft. (2,2203.28 m <sup>2</sup> )	23,567 sq. ft. (2,189.45 m <sup>2</sup> )	23,693 sq. ft. (2,201.15 m <sup>2</sup> )
Weight per carton	41.2 lbs. (18.69 kg)	41.4 lbs. (18.78 kg)	55.5 lbs. (25.17 kg)
Weight per pallet	2,500 lbs. (1,133.98 kg)	3,010 lbs. (1,365.31 kg)	2,027 lbs. (919.43 kg)
Weight per truck	42,494 lbs. (19,275 kg)	42,141 lbs. (19,115 kg)	42,577 lbs. (19,313 kg)

Cleo® has a unique patented construction that does not fit any existing product specifications; it does meet the following:

### Performance and Product Specifications

<b>ASTM E648 Critical Radiant Flux:</b>	Meets or exceeds, Class 1
<b>ASTM E662 NBS Smoke Density:</b>	Pass
<b>ASTM E84-17 Safe Burning Characteristics:</b>	Class B (for wall applications)
<b>ASTM E2179 Impact Sound Transmission:</b>	Delta IIC Δ14
<b>ASTM E492 Impact Sound Transmission:</b>	IIC 56 (6" concrete slab with drop ceiling) IIC 59 (6" concrete slab with drop ceiling, felt underlayment) IIC 64 (6" concrete slab with drop ceiling, acoustic underlayment)
<b>ASTM E90 Sound Transmission Class:</b>	STC 62 (6" concrete slab with drop ceiling)
<b>ASTM C518 Thermal Resistance:</b>	R Value – 2.254
<b>ASTM F2055 Size &amp; Squareness:</b>	Passes, size tolerance less than ±0.016" / linear foot Passes, squareness less than ±0.010"
<b>ASTM F970 Static Load:</b>	Passes, at 1,500 psi
<b>ISO 4918 caster wheel test (25,000 cycles):</b>	No delamination, slight wear in traffic pattern
<b>ASTM F386 Thickness Tolerance:</b>	Passes, less than ±0.005"
<b>ASTM F925 Resistance to Chemicals:</b>	Passes, no more than a slight change in surface dulling, surface attack or staining
<b>ASTM F1514 Color Resistance to Heat:</b>	Passes, ΔE less than 8.0
<b>ASTM F1515 Color Resistance to Light:</b>	Passes, ΔE less than 8.0
<b>ASTM D2047 Slip Resistance:</b>	>0.6, meets ADA guidelines
<b>ASTM D3389 Abrasion Resistance:</b>	Passes
<b>AC Rating:</b>	5

## Installation

Follow all Installation Instructions found in the *Cleo® Contract Installation Guide* at [www.cleocontract.com](http://www.cleocontract.com).

<b>Subfloor Application:</b>	<b>Wood</b> – above grade. <b>Concrete</b> – on, above or below grade level
<b>Installation Method:</b>	Install edge-to-edge or grouted using UnderFlor® premixed acrylic grout or similar <b>Floors</b> - Fully Adhere with UnderFlor AD62 Hard-Set Adhesive Trowel size: Porous subfloor – 1/16" x 1/16" x 1/16" Non-porous subfloor – 1/16" x 1/32" x 1/32" <b>Walls</b> - Fully Adhere with UnderFlor DS100 Pressure-Sensitive Adhesive or similar
<b>Matching Moldings:</b>	Exact match universal transition and stair nosing
<b>Warranty:</b>	15-year commercial limited warranty

## Sustainability and Environmental Properties

<b>Material Composition:</b>	Free of formaldehyde, formaldehyde promoters, heavy metals, phthalates, fluorinated chemicals (PFAS), and halogenated flame retardants
<b>Pre-Consumer Recycled Content:</b>	None
<b>Post-Consumer Recycled Content</b>	None
<b>Product Contents:</b>	88% domestically sourced (85% limestone sourced less than 200 miles from manufacturing plant) 12% globally sourced
<b>FloorScore Certified:</b>	Certificate# SCS-FS-04847
<b>CDPH v1.2 – 2017</b>	Compliant
<b>Disclosure of Environmental Impacts:</b>	Environmental Product Declaration available
<b>Disclosure of Product Ingredients:</b>	Health Product Declaration available
<b>Mindful Materials:</b>	In databank
<b>LEED V4 EQ Credit - Low Emitting Materials:</b>	Contributes
<b>LEED V4 EQ Credit – Low Emitting</b>	
<b>Materials - Adhesives:</b>	Contributes
<b>National Green Building Standard</b>	
<b>ICC 700-2008 901.6 (Hard Surface Flooring):</b>	Contributes
<b>California Prop 65:</b>	Compliant
<b>asthma and allergy Certified:</b>	Certification Number: AAFC: 1514/18/05/01/2021
<b>End of Life:</b>	<b>RENEW IT</b> Reclamation Program
<b>US Patent:</b>	9725911B2

For additional installation, maintenance, or technical information, visit our website at [www.cleocontract.com](http://www.cleocontract.com) or contact Technical Services directly at 609-584-3805 or the Congoleum customer services directory at 1-800-274-3266.