

Company Name Mannington Commercial

Product Name rEvolve®

Description Flooring – Modular Carpet Tile

Product Category Rule (PCR) Flooring PCR for Carpet, Resilient, Laminate, Ceramic, Wood

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Material Content

Component	Material	Mass %	Availability			Origin of Raw Materials
			Renewable	Non-Renewable	Recycled	
Nylon Face Fiber	Nylon 6,6 (products: 98%)	12-30%		Fossil resource, limited		Global
	Nylon 6 (products: 2%)			Fossil resource, limited		Global
Synthetic tufting substrate	Polyester	3-4%		Fossil resource, limited – 15%	Post-consumer – 85%	Global
Polymeric performance pre-coat	Vinyl Acetate / Ethylene copolymer	4-6%		Fossil resource, limited		Global
	Calcium Carbonate	10-15%		Mineral, abundant		US
Thermoplastic polyolefin layers	Polyethylene polymer	17-25%		Fossil resource, limited		Global
	Glass filler	8-12%			Post-consumer – 100%	US
	Calcium aluminosilicate glass	20-30%			Pre-consumer – 100%	US
Reinforcement layer	Glass	2-3%		Mineral resource, abundant		Global
Modifiers	Various	1-2%				Global

Certifications



LCA Stages and Impact Categories	Production	Delivery & Installation	Use	End of Life	Unit	Total
 <p>Global Warming A relative measure of greenhouse gasses that when released in the atmosphere can change global weather patterns.</p>	1.460E+01	1.217E+00	3.265E-01	6.608E-02	[kg CO ₂ -eq.]	1.621E+01
 <p>Acidification An increase in the acidity of soil and water by the conversion of air pollutants into acids. Damages ecosystems and structures. Forest dieback and crumbling building facades are visible symptoms of the effect.</p>	8.357E-02	6.157E-03	2.432E-03	4.176E-04	[kg SO ₂ -eq.]	9.258E-02
 <p>Ozone Depletion The destruction of ozone in the ozone layer of the stratosphere which shields the earth from ultraviolet radiation that is harmful to life.</p>	4.796E-07	1.055E-07	8.360E-09	6.845E-09	[kg CFC-11eq.]	6.002E-07
 <p>Photochemical Ozone Creation Ozone high in the atmosphere protects us from ultraviolet (UV) light, but at low levels can damage vegetation and increase asthma and other respiratory complaints.</p>	4.179E-03	2.647E-04	9.253E-05	1.125E-05	[kg C ₂ H ₄ -eq.]	4.547E-03
 <p>Eutrophication May include increased growth of biomass such as algae in lakes, which reduces the dissolved oxygen levels with a resulting loss of aquatic species.</p>	1.632E-02	1.209E-03	5.853E-04	8.832E-05	[kg PO ₄ -eq.]	1.820E-02
 <p>Non-Renewable Material Resources The reduction of available non-renewable resources</p>	8.790E-06	4.917E-08	9.148E-09	1.236E-10	[kg Sb-eq.]	8.848E-06

The functional unit represented in this table has been defined as 1 m² of flooring covering used for one year of service life.

**Additional
Information**

Recycled Content (Post/Pre-Consumer):	40% total recycled content with a minimum 10% post-consumer by total product weight
	NSF/ANSI 140 Platinum Certification
Sustainable / Environmental Certifications:	ISO 14001:2004
	EN 14041:2004 CE-Labeling
VOC Emissions Testing:	CRI Green Label Plus Certified
Recycling/Reuse Program:	LOOP® reclamation program
Use of Renewable Energy:	1% renewable energy