

PRODUCT INFORMATION	TYPE OF PRODUCT	Felt floor, wall covering and room dividers
	COMPANY NAME	Filzfelt
	PRODUCT/COLLECTION NAME	100% Wool Design Felt
	DESCRIPTION	100% Wool felt
MATERIAL FEEDSTOCK	MATERIAL CONTENT	100% Wool felt, Merino wool with Nylon threads
	RECYCLED CONTENT %	None. 100% New wool used
	RAPIDLY RENEWABLE CONTENT %	Yes. 100 % Wool, harvested annually
	HARMFUL ADDITIVES	Information not available on dyeing process or manufacturing
	HARMFUL EMISSIONS	Emits low greenhouse gasses
	EMISSION STRENGTH OVER TIME	N/A
	TREATMENTS	Information not available
MANUFACTURING	MANUFACTURING PROCESS	Sheep's wool is cleaned, carded, and the fibers aligned into batts. It is then compacted and joined by moisture, heat, and agitation until a homogeneous fabric is formed – wool felt
	HARMFUL EMISSIONS	Information not available
	LOCATION OF MANUF. PLANT	Manufacturing of wool is done in Germany and New England
	TESTS/CODES	Flammability: Surface Burning Characteristics of Building Materials (ASTM E84 - Unahered) Class A Standard Methods of Fire Tests for Flame Propagation of Textiles and Films (NFPA 701) Passes (with flame treatment) FAR 25.853(a), Amendment 25-100, Appendix F, Part I (a)(1)(i): 60 Second Vertical Burn Passes FAR 25.853(a), Amendment 25-100, Appendix F, Part I (a)(1)(ii): 12 Second Vertical Burn Passes
	3RD PARTY CERTIFICATION	Oeko-Tex® Standard 100 Certified Product Class II
INSTALLATION	INSTALLATION PROCEDURE	Wall panels are wrapped around a 15 ply Baltic birch plywood substrate pre-installed with z clip fasteners or Vertical Installation Instructions 100% Wool Design Felt Direct Glue Method FilzFelt felts may be direct-glued to any porous surfaces including wood and gypsum wallboard. With direct glue method to a substrate, it is advisable to use the 3mm, 5mm, 8mm or 10mm thick felts. We do not recommend the use of 2mm felt as the adhesive can absorb through and become visible on the surface. Universal textile or wallpaper adhesives are recommended. Since the wool felt absorbs moisture, it is important to use a low water content adhesive. An adhesive such as Roman Pro-880 may be used and edges can be reinforced with a spray adhesive such as 3M Super 77 Multipurpose Spray Adhesive. Please note that 3M Super 77 bonds instantly and does not allow for adjustment after placement. Another suitable liquid adhesive is Simalfa 309 which may be sprayed or roller applied. Instructions for Roller Installation: 1. Prepare the substrate to provide a smooth, even surface and prime. A level 5 Finish wall that has been primed and finished is recommended to prevent an irregularities from telegraphing through the felt and becoming visible. 2. Trim the felt as needed to provide plumb and straight edges. Please note that the felt will not be provided from FilzFelt with finished edges. 3. Using a foam roller, coat the substrate and the felt with suitable adhesive. 4. Hold the felt in place until it has cured per the adhesive manufacturer's application instructions.
	INSTALLATION ADHESIVES	Roman Pro-880 - VOC: Zero

		3M Super 77 - Low VOC <25%, Meets CARB / OTC VOC Requirements; Helps contribute to LEED® credits Simalfa 309 - VOC: Zero
	UNIT COST	\$83-\$180 per sq yard
	LIFE CYCLE ANALYSIS EXTRACTION	Producing New Zealand merino wool fiber uses significantly less energy resource than it takes to manufacture fossil fuel dependent man-made fiber. For example, nylon manufacturing uses over 5 times more energy, acrylic 3.8 times, and polyester 2.7 times more energy than it takes to produce the equivalent weight of wool fiber. Included in the analysis was the energy cost to ship scoured wool to a spinning mill in China. Transport represented just 3% of the total energy cost. Half of the energy cost was attributed to farm production, with the rest being accounted for in wool scouring, top making and transport.
	END OF SERVICE LIFE	100% Recyclable and is disposed of in an environmentally friendly manner through decomposition
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	Ability to cut, sew, iron, screen print & embroider
	MISC. COMMENTS	
	CONTRIBUTION TO LEED POINTS	Which points does the material contribute to in the following LEED categories: Sustainable Site, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality
COMPANY PROFILE	GREEN PHILOSOPHY	"Go Sheep!"
	CONTACT	Libby Jernigan (704)574-0104 ljernigan@filzfelt.com
MAINTENANCE	AFTER INSTALLATION	Spot clean with warm soapy water or clean with mild water-free dry cleaning solvent

<http://www.merinoinc.co.nz/Reports/LCA-NZMerinoWool.pdf>