



ENVIRONMENTAL PRACTICES

acoufelt  
making quiet

# OUR ENVIRONMENTAL MISSION

## A Global Company with a Global Commitment

Helping architects and designers meet their clean building goals.

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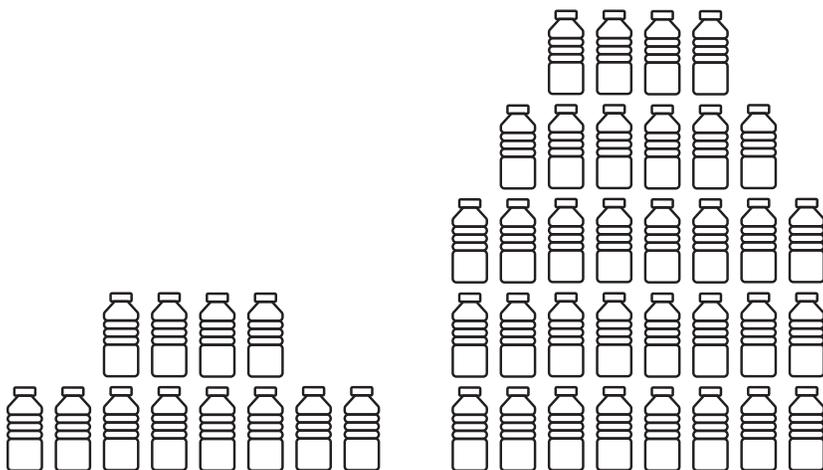
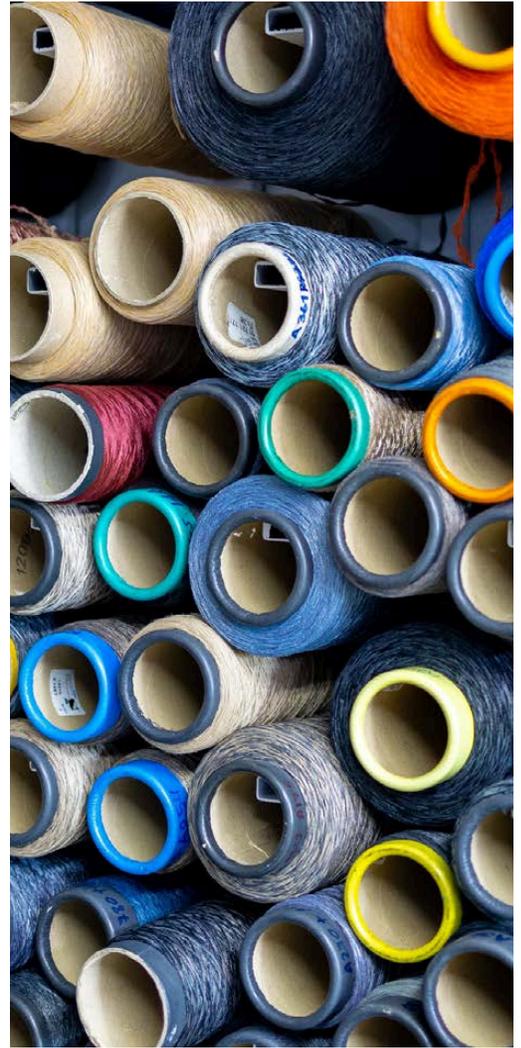
Acoufelt's primary material components – FilaSorb™ felt and QuietBack™ carpet tiles – are made from regenerated PET fibers with a minimum of 60-80% recycled content. We test our acoustic products against a number of internationally recognized environmental and human safety standards and accreditations, to ensure our products can be manufactured safely and are safe for human use.

## Our Manufacturing

We are committed towards environmental sustainability through our manufacturing processes meeting the International Standards of ISO 14001 and ISO 9001. We use reclaimed materials in the product design process, and ensure products are recyclable at the end of their useful life.

## Solar Power

The use of solar panels attached to our key factory locations also means that your favourite acoustic products, including our FilaSorb™ felt and QuietBack™ carpet tiles, are generated using around 30-40% onsite renewables – powered by the sun.



A minimum of 36 20 oz. recycled bottles is used to manufacture 10 square feet of QuietBack™

A minimum of 108 20 oz. recycled bottles is used to manufacture 10 square feet of FilaSorb™

## Sourcing Regenerated PET

We source clean, quality regenerated PET fibres for use in our acoustic products. These fibres are made from recycled PET bottles that would normally go to landfill, closing the loop on a valuable resource. These are used in both our FilaSorb™ and QuietBack™ products.

# DESIGN+MANUFACTURING

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1

Acoufelt acoustic panels are made from postconsumer plastic beverage bottles out of landfills and oceans. Every square foot of panel contains the regenerated fibers made from approximately 6.6 (20oz) recycled bottles.



2

The discarded soda and drinking bottles are cleaned and cut into flakes before being melted and extruded into fibers of natural white color.



3

The regenerated fibers are clean and odourless like virgin fibers.



4

The regenerated fibers are then integrated into the carded multi layerweb construction and thermo bonding process to create new material for acoustic panels.



5

With a unique production process, Acoufelt acoustic panels can be recycled again at the end of their useful life.

# THE INTERNATIONAL LIVING FUTURE INSTITUTE'S DECLARE® PROGRAM

Declare provides a free and simple database of the healthiest products on the market. The transparency labels help Living Building Challenge project teams meet stringent materials requirements within the world's most rigorous building performance standard.

The Red List represents the “worst in class” materials, chemicals, and elements known to pose serious risks to human health and the greater ecosystem that are prevalent in the building products industry. ILFI and LFIA believe that these materials should be phased out of production due to human and/or environmental health and toxicity concerns.

Acoufelt QuietBack™ carpet tiles and FilaSorb™ collections have both received “LBC Red List Free” declaration status – having disclosed 100% of product ingredients at or above 100 ppm (0.01%) in the final product and not containing any Red List chemicals. They have been shown to meet the requirements of the Living Building Challenge (LBC) Red List Imperative.



**LIVING FUTURE**  
CORPORATE MEMBER

## Living Future Institute Corporate Membership

The Living Future Institute of Australia is part of a global movement revolutionising the built environment with regenerative design. As an Affiliate of the International Living Future Institute (ILFI), LFIA is guiding the Australian built environment industry with ILFI programs including the Living Building Challenge (LBC)® and Declare. Through Acoufelt's corporate membership, we are committed to growing our knowledge and engaging in programs that are redefining the green building movement, including ILFI's Declare certification.

**Declare.**

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**FilaSorb™ Acoustic Panel**  
**Acoufelt**

**Final Assembly:** Muang, Chonburi, Thailand  
**Life Expectancy:** 20 Year(s)  
**End of Life Options:** Recyclable (100%)

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**Ingredients:**

**Polyester Fibre:** Polyethylene Terephthalate; **Flame Retardant phosphorus compound:** Phosphorus

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**Living Building Challenge Criteria:** Compliant

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**I-13 Red List:**

<input checked="" type="checkbox"/> LBC Red List Free	% Disclosed: 100% at 100ppm
<input type="checkbox"/> LBC Red List Approved	VOC Content: Not Applicable
<input type="checkbox"/> Declared	

**I-10 Interior Performance:** CDPH Standard Method v1.2-2017  
**I-14 Responsible Sourcing:** Not Applicable

ACF-0002  
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

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# LEED PROGRAM THROUGH USGBC

Sustainable textile furnishing materials are recognised as contributing to green building practices. Made from a minimum of 60% recycled content, all of Acoufelt's acoustic products exceed the criteria set by the USGBC (United States Green Building Council) which recognises contributions made to Leadership in Energy and Environmental Design (LEED).

Therefore, users of Acoufelt products can earn environmental points from LEED for their building projects. View the table below to determine how many LEED points you can earn with any Acoufelt product.



LEED Credit	Contribution	Points
MR credit 4.1 (recycled content 10%)	Products are manufactured using a minimum of 50% post consumer recycled materials	1
MR credit 4.2 (recycled content 20%)	Products are manufactured using a minimum of 50% post consumer recycled materials	1
MR credit 5.1 (regional materials 10%)	Manufactured within 500 miles	1
MR credit 5.2 (regional materials 20%)	Manufactured within 500 miles	1
MR credit 3.2 (indoor air quality)	Low VOCs Emission	1
LEED Credit	Potential LEED Credit	Points
EA: Energy Performance	(School)	(1-16)
EA: Energy Performance	(Healthcare)	(1-20)
EQ: Acoustic Performance	(Healthcare)	(1-2)

# SCS GLOBAL SERVICES

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SCS is an international leader in third-party certification and standards development in environmental, sustainability and quality performance. Through auditing, certification, testing, life cycle assessment, training, and strategic consulting services, SCS Global helps organisations affirm and communicate their sustainability success stories.

Acoufelt panels receive Indoor Advantage Gold certification for Indoor Air Quality. The Indoor Advantage and Indoor Advantage Gold standard aligns with both ANSI/BIFMA M7 and X7.1, and CA 01350. It is recognised by the EPA and GSA, and qualifies for many building rating systems, including LEED v4, BREEAM, WELL Building and Living Building Challenge.

Acoufelt panels achieve Indoor Advantage Gold certification through meeting the high standard for CDPH compliance. Product compliance is determined by comparing the calculated emission concentration or emission factor to the applicable VOC emission criteria.

Purchasers and consumers can be assured that products labelled with the SCS certification marks are consistently meeting the performance requirements of this standard.



## CRI: GREENLABEL

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CRI's Green Label program tests carpet, cushions and adhesives to help specifiers identify products with very low emissions of Volatile Organic Compounds (VOCs). The CRI Green Label Plus logo indicates a product has been tested and certified by an independent laboratory and has met stringent criteria for low emissions.

Every Acoufelt carpet tile meets the requirements for Green Label Plus certification under Indoor Air Quality Testing, tested against the most stringent criteria for low chemical emissions.



# CARPET RECYCLABILITY AND ECONYL®

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<p>The Econyl Regeneration process is as follows:</p>	<p><b>1. RESCUE</b></p> <p>Waste such as fishing nets, fabric scraps, carpet flooring and industrial plastic from landfills and oceans is sorted and cleaned to recover the maximum amount of nylon as possible.</p>	<p><b>2. REGENERATE</b></p> <p>Through a radical regeneration and purification process, the nylon waste is recycled right back to its original purity, displaying the same properties as virgin nylon.</p>	<p><b>3. REMAKE</b></p> <p>The regenerated nylon is processed into a carpet yarn and textile yarn.</p>	<p><b>4. REIMAGINE</b></p> <p>Manufacturers like us use the regenerated nylon to create brand new products. Once ECONYL-based products reach the end of their useful life, they can re-enter the regeneration system for rescue.</p>
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