Let's make every project caring – inside and out

ECONYL® nylon contributes to LEED v4.1 credits.

It is wholly made from waste and is more than a material: it is a solution for responsible design.

Beyond reducing plastic pollution, ECONYL® regenerated nylon helps alleviate climate change by foregoing the harmful environmental impacts associated with traditional oil-based nylon production.

ECONYL® nylon contributes to LEED v4.1 credits in three categories:

- MATERIALS AND RESOURCES (4 credits)
- INDOOR ENVIRONMENTAL QUALITY (2 credits)
- INNOVATION (1 credit)

ECONYL®
ENDLESS POSSIBILITIES

MATERIALS AND RESOURCES (4 credits)

LEED Category Overview:

The Materials and Resources (MR) credit category focuses on minimizing the embodied energy and other impacts associated with the extraction, processing, transport, maintenance, and disposal of building materials.

How ECONYL® nylon contributes:

- Building Life Cycle impact reduction [ECONYL® BCF EPDs]
- Environmental product declaration: With the Life Cycle Assessment and the Environmental Product Declaration we know our real overall impact [ECONYL® BCF EPDs]
- Sourcing of raw materials: ECONYL® nylon comes from 100% waste material [ECONYL® BCF EPDs]
- Material ingredients: The Cradle to Cradle materials health certification shows our chemical ingredients are carefully evaluated to ensure avoidance of harmful substances. [C2C material health certificate]

INDOOR ENVIRONMENTAL QUALITY (2 credits)

LEED Category Overview:

The Indoor Environmental Quality (EQ) category rewards decisions made by project teams about indoor air quality and thermal, visual, and acoustic comfort. Green buildings with good indoor environmental quality protect the health and comfort of building occupants.

How ECONYL® nylon contributes:

- Low emitting materials: general emissions evaluation results ensure low VOC emissions from products made with ECONYL® BCF yarn
- Acoustic performance: acoustic properties are like sound insulation or impact sound reduction of ECONYL® carpets show ΔLw values between 20 and 36 dB, while αω values in the range from 0,15 till 0,35

INNOVATION (1 credit)

LEED Category Overview:

Sustainable design strategies and measures are constantly evolving and improving. New technologies are continually introduced to the marketplace, and up- to-date scientific research influences building design strategies. The purpose of this LEED category is to recognize projects for innovative building features and sustainable building practices and strategies, such as circular economy projects.

How ECONYL® nylon contributes:

- Circular Economy & Design-for-recycling – Born Regenerated to be Regenerable (R2R): Born R2R is a design-for-recycling initiative that Aquafil launched to promote the development of textile floorings that can be recycled at the end of their useful life.

CONTRIBUTION MATRIX TO LEED V4.1 CREDITS

BD+C Building Design and Construction | ID+C Interior Design and Construction

MATERIALS AND RESOURCES

MR CREDIT	**BUILDING LIFE CYCLE IMPACT REDUCTION** To encourage adaptive reuse and optimize the environmental performance of products and materials.	[ECONYL® BCF EPDs] [DNV certificate 100% recycled content]
MR CREDIT	**ENVIRONMENTAL PRODUCT DECLARATION** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. to reward project teams for selecting products who have verified improved environmental life-cycle impacts.	[ECONYL® BCF EPDs] [DNV certificate 100% recycled content]
MR CREDIT	**SOURCING OF RAW MATERIALS** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. to reward project teams for selecting products verified to have been extraced or sourced in respsonsible manner.	[ECONYL® BCF EPDs] [DNV certificate 100% recycled content]
MR CREDIT	**MATERIAL INGREDIENTS** To encourage the use of products and materials that have sustainability information available and that have environmentally, economically, and socially preferable impacts in alignment with industry momentum. to reward project teams for selecting products from manufacturers who have disclosed sustainability information about their products and optimized their products across multiple criteria areas. **OPTION 1:** material ingredient reporting **OPTION 2:** material ingredient optimization	[cradle to cradle materials health certificate]

INDOOR ENVIRONMENTAL QUALITY

EQ CREDIT **LOW EMITTING MATERIALS**

To reduce concentrations of chemical contaminants that can damage air quality and the environment, and to protect the health, productivity, and comfort of installers and building occupants.

[VOC Emission Evaluation Test]

EQ CREDIT **ACOUSTIC PERFORMANCE**

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.

[Impact sound absorption and sound insulation ratings of ECONYL® carpets]

INNOVATION

IN CREDIT **INNOVATION**

Closing the loop with Aquafil's "Born Regenerated to be Regenerable", a design-for-recycling initiative.

[CIRCULAR ECONOMY – Born R2R project]

Let's make every project caring – inside and out

ECONYL® nylon contributes to LEED v5 credits.

It is wholly made from waste and is more than a material: it is a solution for responsible design.

Beyond reducing plastic pollution, ECONYL® regenerated nylon helps alleviate climate change by foregoing the harmful environmental impacts associated with traditional oil-based nylon production.

ECONYL® nylon contributes to LEED v5 credits in three categories:

- MATERIALS AND RESOURCES (2 credits)
- INDOOR ENVIRONMENTAL QUALITY (3 credits)
- PROJECT PRIORITIES (1 credit)

MATERIALS AND RESOURCES (2 credits)

LEED Category Overview:

The Materials and Resources (MR) credit category focuses on minimizing the embodied energy and other impacts associated with the extraction, processing, transport, maintenance, and disposal of building materials.

How ECONYL® nylon contributes:

- Low emitting materials: VOC emissions tests ensure low release of this dangerous substances
- Building product selection and procurement: products that demonstrate achievement in areas like Climate health , Human health, Ecosystem health, Social health and equity, Circular economy

INDOOR ENVIRONMENTAL QUALITY (3 credits)

LEED Category Overview:

The Indoor Environmental Quality (EQ) category rewards decisions made by project teams about indoor air quality and thermal, visual, and acoustic comfort. Green buildings with good indoor environmental quality protect the health and comfort of building occupants.

How ECONYL® nylon contributes:

- Fundamental air quality: Install permanent entryway systems to capture dirt and particulates entering the building at primary exterior entrances
- Enhanced air quality: products designed for enhanced indoor air quality
- Occupant experience: sound environment

PROJECT PRIORITIES (1 credit)

LEED Category Overview:

Sustainable design strategies and measures are constantly evolving and improving. New technologies are continually introduced to the marketplace, and up- to-date scientific research influences building design strategies. The purpose of this LEED category is to recognize projects for innovative building features and sustainable building practices and strategies, such as circular economy projects.

How ECONYL® nylon contributes:

- Circular Economy & Design-for-recycling – Born Regenerated to be Regenerable (R2R): Born R2R is a design-for-recycling initiative that Aquafil launched to promote the development of textile floorings that can be recycled at the end of their useful life.

CONTRIBUTION MATRIX TO LEED V5 CREDITS

BD+C Building Design and Construction

ID+C Interior Design and Construction

MATERIALS AND RESOURCES

MRc4 CREDIT

BUILDING PRODUCT SELECTION AND PROCUREMENT

To encourage the use of products and materials that have sustainability information available and that have environmentally, economically, and socially preferable impacts in alignment with industry momentum. To reward project teams for selecting products from manufacturers who have disclosed sustainability information about their products and optimized their products across multiple criteria areas.

[CRADLE TO CRADLE materials health certificate]

[ECONYL® BCF EPDs]

MRc3 CREDIT

LOW EMITTING MATERIALS

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products who have verified improved environmental life-cycle impacts.

[VOC Emission Evaluation Test]

INDOOR ENVIRONMENTAL QUALITY

EQc2 CREDIT

OCCUPANT EXPERIENCE

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.

[Impact sound absorption and sound insulation ratings of ECONYL® carpets]

EQp2 PREREQUISITE

FUNDAMENTAL AIR QUALITY

To design for above average indoor air quality to support occupant health and well-being.

[Third party collection for the enhanced air cleaning properties of carpets – Patented]

EQc1 CREDIT

ENHANCED AIR QUALITY

To design for increased indoor air quality to better protect the health of building occupants.

[Third party collection for the enhanced air cleaning properties of carpets – Patented]

PROJECT PRIORITIES

IN CREDIT

PROJECT PRIORITIES - INNOVATION

Closing the loop with Aquafil's "Born Regenerated to be Regenerable", a design-for-recycling initiative

[CIRCULAR ECONOMY – Born R2R project]

Let's make every project caring – inside and out

ECONYL® nylon contributes to BREEAM v6 credits.

It is wholly made from waste and is more than a material: it is a solution for responsible design.

Beyond reducing plastic pollution, ECONYL® regenerated nylon helps alleviate climate change by foregoing the harmful environmental impacts associated with traditional oil-based nylon production.

ECONYL® nylon contributes to BREEAM v6 credits in three categories:

MATERIALS
(2 credits)

HEALTH AND WELLBEING
(2 credits)

INNOVATION (1 credit)

ECONYL®
ENDLESS POSSIBILITIES

MATERIALS (2 credits)

BREEAM Category Overview:

The "Materials" category promotes sustainable construction by evaluating the environmental impact of building materials across their entire lifecycle. It awards credits for conducting Life Cycle Assessments (LCA) to minimize overall impacts, responsibly sourcing materials from ethical and sustainable suppliers, specifying low-impact insulation, designing for durability and resilience to extend building lifespan, and implementing strategies for material efficiency to reduce waste and optimize resource use. The overarching goal is to encourage the selection and use of materials that contribute to a lower environmental footprint for buildings.

How ECONYL® nylon contributes:

- Life Cycle Impacts: LCA of a building's major construction materials has the goal of quantify and reduce their environmental impact (e.g., carbon emissions) across the entire building lifespan. The goal is to make early, informed design choices that lead to a lower environmental footprint

- Responsible sourcing of construction products: it awards credits for using ethically and sustainably sourced construction products. It assesses the proportion of materials covered by recognized responsible sourcing certifications (e.g., FSC, BES 6001) or robust Environmental Management Systems, aiming to promote transparent and responsible supply chains

HEALTH AND WELLBEING (2 credits)

BREEAM Category Overview:

The "Health and Wellbeing" category focuses on creating comfortable, healthy, and safe indoor environments for building occupants. It assesses factors like air quality, daylighting, thermal comfort, and acoustics to promote physical and psychological well-being.

How ECONYL® nylon contributes:

- Indoor air quality: Ensures healthy indoor air by requiring low-emission materials, good ventilation, and often post-construction testing
- Acoustic performance: Creates a comfortable sound environment by controlling noise, insulating rooms, and managing reverberation, typically with expert acoustician input

INNOVATION (1 credit)

BREEAM Category Overview:

The "Innovation" category rewards projects for exceptional sustainability performance and the adoption of pioneering solutions that go beyond the standard BREEAM criteria. Credits can be earned either by exceeding the highest benchmarks in existing BREEAM issues (exemplary performance) or by implementing truly novel technologies or processes that offer measurable, replicable sustainability benefits and involve knowledge sharing. This category aims to foster creativity and drive continuous improvement within the built environment.

How ECONYL® nylon contributes:

- Circular Economy & Design-for-recycling – Born Regenerated to be Regenerable (R2R): Born R2R is a design-for-recycling initiative that Aquafil launched to promote the development of textile floorings that can be recycled at the end of their useful life.

CONTRIBUTION MATRIX TO LEED V4.1 CREDITS

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MATERIALS

MAT 01 — **LIFE CYCLE IMPACT**

To recognise and encourage the use of robust and appropriate life cycle assessment tools and consequently the specification of construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building.

[ECONYL® BCF EPDs]

[DNV certificate 100% recycled content]

MAT 03 — **RESPONSIBLE SOURCING OF CONSTRUCTION PRODUCTS**

To recognise and encourage the specification and procurement of responsibly sourced construction products

[ISO 14001]

[ECONYL® BCF EPDs]

[DNV certificate 100% recycled content]

HEALTH AND WELLBEING

HEA 02 — **INDOOR AIR QUALITY**

To recognise and encourage a healthy internal environment through the specification and installation of appropriate ventilation, equipment and finishes

[Materials restrictions ECONYL® BCF – Manufacturer declaration]

HEA 05 — **ACOUSTIC PERFORMANCE**

To ensure the building's acoustic performance including sound insulation meet the appropriate standards for its purpose

[Impact sound absorption and sound insulation ratings of ECONYL® carpets]

INNOVATION

INN 01 — **INNOVATION**

Closing the loop with Aquafil's "Born Regenerated to be Regenerable", a design-for-recycling initiative.

[CIRCULAR ECONOMY – Born R2R project]

Let's make every project caring – inside and out

ECONYL® nylon contributes to WELL v2 credits.

It is wholly made from waste and is more than a material: it is a solution for responsible design.

Beyond reducing plastic pollution, ECONYL® regenerated nylon helps alleviate climate change by foregoing the harmful environmental impacts associated with traditional oil-based nylon production.

ECONYL® nylon contributes to WELL v2 credits in four categories:

- **AIR** (2 credits)
- **SOUND** (2 credits)
- **MATERIALS** (5 credits)
- **INNOVATIONS** (1 credit)

ECONYL®
ENDLESS POSSIBILITIES

AIR (2 credits)

WELL Category Overview:

The "Air" category is focused on optimizing indoor air quality (IAQ) to support occupant health and well-being. It sets requirements for minimizing air pollution sources, enhancing ventilation, and filtering air to remove contaminants. This includes addressing particulate matter, volatile organic compounds (VOCs), formaldehyde, carbon monoxide, and radon, often through design strategies, material selection, and continuous monitoring, ultimately ensuring occupants breathe cleaner air.

How ECONYL® nylon contributes:

- Air quality: A mandatory precondition setting strict limits for common indoor air pollutants (e.g., PM2.5, VOCs, formaldehyde), often verified through ongoing monitoring, to ensure basic healthy air

- Enhanced air quality: an optional optimization offering points for achieving even lower pollutant levels than fundamental air quality, demonstrating superior performance

SOUND (2 credits)

WELL Category Overview:

The "Sound" category optimizes the acoustic environment to enhance occupant well-being and productivity. It addresses controlling external and internal noise intrusion, ensuring sound privacy between spaces, managing reverberation for clear communication, and utilizing strategies like sound masking to create comfortable and functional acoustic conditions.

How ECONYL® nylon contributes:

- Reverberation time: Controls echoes by setting maximum sound decay times for different room types, improving speech clarity and comfort using sound-absorbing materials

- Sound reduction surface: Requires highly sound-absorptive materials on ceilings and walls to reduce sound reflections and overall noise buildup in a space

MATERIALS (5 credits)

WELL Category Overview:

The "Materials" category focuses on reducing occupant exposure to hazardous chemicals in building products. It requires selecting materials free from or low in toxins like VOCs, heavy metals, and flame retardants, often promoting ingredient transparency and certifications for healthier indoor environments.

How ECONYL® nylon contributes:

- Material restrictions: a mandatory precondition limiting asbestos, lead, and mercury in new building materials to prevent direct human exposure
- Enhanced material restrictions: an optimization awarding points for restricting a broader range of common hazardous chemicals in building products
- VOC restrictions: an optimization requiring low emissions of volatile organic compounds from a wide range of interior materials like paints, adhesives, and flooring, contributing to healthier indoor air quality
- Materials transparency: an optimization that rewards projects for selecting materials with publicly disclosed ingredients, promoting supply chain awareness and informed choices for healthier products
- Materials optimization: an optimization focusing on selecting materials that have undergone third-party health impact assessments or certifications, demonstrating efforts to minimize adverse effects on human and environmental health

INNOVATIONS (1 credit)

WELL Category Overview:

The "Innovations" category rewards projects for going beyond standard WELL requirements. It allows earning points for exceptional performance in existing WELL features or for implementing new, health-promoting strategies not explicitly covered, fostering continuous advancement in health and well-being in the built environment.

How ECONYL® nylon contributes:

- Innovate WELL: Circular Economy & Design-for-recycling
  Born R2R (Born Regenerated to be Regenerable) is a design-for-recycling initiative that Aquafil launched to promote the development of textile floorings that can be recycled at the end of their life.

CONTRIBUTION MATRIX TO WELL V2 CREDITS

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AIR

A 01	**AIR QUALITY** This well feature requires projects to provide acceptable air quality levels, as determined by public health authorities	[Third party collection for the enhanced air cleaning properties of carpets – Patented]
A 05	**ENHANCED AIR QUALITY** To provide enhanced air quality levels that have been linked to improved human health and performance	[Third party collection for the enhanced air cleaning properties of carpets – Patented

SOUND

S 04	**REVERBERATION TIME** Design spaces in accordance with comfortable reverberation times that support speech intelligibility, vocal effort and are conducive to concentration	[Impact sound absorption and sound insulation ratings of ECONYL® carpets]
S 05	**ACOUSTIC PERFORMANCE** Design spaces with sound reducing surfaces to minimize the buildup of speech or other unwanted sound	[Impact sound absorption and sound insulation ratings of ECONYL® carpets]

MATERIALS

X 01	**MATERIAL RESTRICTIONS** Promote material transparency across building material and product supply chain	[Materials restrictions ECONYL® BCF – Manufacturer declaration]
X 05	**ENHANCED MATERIAL RESTRICTIONS** Minimize the exposure to certain chemicals by limiting their presence in products	[Enhanced materials restrictions ECONYL® BCF – Manufacturer declaration]
X 06	**VOC RESTRICTIONS** Minimize the impact of volatile organic compounds emitted by products on indoor air quality	[VOC Emission Evaluation Test]

X 07

MATERIALS TRANSPARENCY

Promote material transparency across building material and product supply chain

[CRADLE TO CRADLE materials health certificate]

X 08

MATERIALS OPTIMIZATION

Promote material optimization across building material and product supply chain

[CRADLE TO CRADLE materials health certificate]

INNOVATION

I 01

INNOVATE WELL

Closing the loop with Aquafil's "Born Regenerated to be Regenerable", a design-for-recycling initiative

[CIRCULAR ECONOMY – Born R2R project]