

THRIVE®, LEED® + BEYOND

Green Building and Product Rating Systems

Environmental Initiative	Green Building and Product Rating Systems						
	LEED® v3	LEED® v4	Living Building Challenge®	The WELL® Building Standard v1	Fitwel SM	BREEAM®	2030 Challenge for Products
WATER							
Water Reduction – 3% Manufacturing	●GC Universal Fibers® Water Reduction – 3% Manufacturing	●GC Universal Fibers® Water Reduction – 3% Manufacturing	●GC Universal Fibers® Water Reduction – 3% Manufacturing (aligns with Net Positive Water)	Focus is water quality vs. quantity	Focus is on occupant access to water	●GC Universal Fibers® Water Reduction – 3% Manufacturing	N/A
ENERGY							
Energy Reduction – 7% Manufacturing	●GC Energy Reduction – 7% Manufacturing	●GC Energy Reduction – 7% Manufacturing	●GC Universal Fibers® Energy Reduction – 7% Manufacturing (aligns with Net Positive Energy)	Focus is natural and artificial lighting	N/A	●GC Universal Fibers® Energy Reduction – 7% Manufacturing	N/A
MATERIAL – WASTE							
Waste Reduction Manufacturing / Product Life / End of Life	●GC Universal Fibers® •Reduced waste to landfill – 24% •Waste diversion from landfill – 95% •Take Back Program •Recyclable – 100%	●GC Universal Fibers® •Reduced waste to landfill – 24% •Waste diversion from landfill – 95% •Take Back Program •Recyclable – 100%	●GC Universal Fibers® •Reduced waste to landfill – 24% •Waste diversion from landfill – 95% •Take Back Program •Recyclable – 100%	N/A	N/A	●GC Universal Fibers® •Reduced waste to landfill – 24% •Waste diversion from landfill – 95% •Take Back Program •Recyclable – 100%	N/A
CO2 FOOTPRINT							
Carbon Footprint Reduction UF Facility – 7%	N/A	N/A	Materials Imperative 11: Embodied Carbon Footprint	N/A	N/A	N/A	●GC Universal Fibers® Reduction of Facility – 7%
Thrive® Product CO₂ Industry Best (ratio 1:4)	N/A	N/A	N/A	N/A	N/A	N/A	●Thrive®, Industry Best nylon 66 UL Environment Type III Lowest in industry (ratio 1:4) ●Thrive®, Industry Best nylon 66 2030 Product Challenge Adopter (2016) Thrive meets a maximum carbon-equivalent footprint of 30% below the product category average
MATERIALS							
Recycled Content	●Thrive®, Industry Best nylon 66 ●GC 75% Total - Thrive® Pre-Consumer 70% Post-Consumer 5%	●Thrive®, Industry Best nylon 66 ●GC Building Product Disclosure + Optimization – Sourcing of Raw Materials Option 2: Leadership Extraction Practices 75% Total - Thrive® Pre-Consumer 70% Post-Consumer 5%	N/A	N/A	N/A	●Thrive®, Industry Best nylon 66 ●GC 75% Total - Thrive® Pre-Consumer 70% Post-Consumer 5% MAT06 (Material Efficiency) & WST02 (Recycled Aggregates) – High recycled content is rewarded in both categories	N/A
Regional Materials	●Thrive® ●GC 90% Regional Raw Material Sourcing Manufacturing locations: World Headquarters in Bristol, Virginia (USA), Tennessee (USA), United Kingdom, Thailand and China Carpet harvested, extracted and manufactured within 500 miles from project site may contribute towards credits as a multiplier. Value: Contributes to 1-2 points*	●Thrive® ●GC 90% Regional Raw Material Sourcing Manufacturing Locations: World Headquarters in Bristol, Virginia (USA), Tennessee (USA), United Kingdom, Thailand and China Carpet extracted and harvested within 100-mile radius of project location may contribute towards credits as a multiplier. Value: Contributes to 1 point*	●Thrive® ●GC 90% Regional Raw Material Sourcing Manufacturing locations: World Headquarters in Bristol, Virginia (USA), Tennessee (USA), United Kingdom, Thailand and China Materials Imperative 13: Living Economy Sourcing Value: Contributes to 1 Imperative*	N/A	N/A	N/A	N/A
Life Cycle Analysis (LCA) + Environmental Product Declaration (EPD)	N/A	●Thrive® UL (UL Environment) Building Product Disclosure + Optimization (BPDO) – EPD: Product Specific Type III via Option 1 Value: Contributes to 1 point*	N/A	N/A	N/A	●Thrive® UL (UL Environment) EPD: Product Specific Type III Mat 01 (Life Cycle Impacts) Products with EPD	N/A
Corporate Sustainability Report (CSR) per GRI v4 Framework	N/A	BPDO – Sourcing of Raw Materials Raw Material Source and Extraction Reporting via Option 1 Contracted Corporate Sustainability Report (CSR) per Global Reporting Initiative (GRI) v4 framework (Pending release in 2017) Value: Contributes to 1 point*	N/A	Feature 98: Organizational Transparency Contracted Corporate Sustainability Report (CSR) per Global Reporting Initiative (GRI) v4 framework (Pending release in 2017) Value: Contributes to 1 feature*	N/A	While no BREEAM categories are directly relevant to this intent, the use of products that are responsibly sourced are recognized. Procurement of products from organizations who have a third party Environmental Management System (EMS) via Mat 03 (Responsible Sourcing of Materials)	N/A
Material Ingredients Transparency	N/A	Universal Fibers® leadership member of the Health Product Declaration (HPD) Collaborative Manufacturer's Advisory Panel (MAP) up to version 2.0 Ingredients of "red lists" (Example: REACH) are not intentionally present in any yarn products. Value: Contributes to 1 point*	Universal Fibers® leadership member of the Health Product Declaration (HPD) Collaborative Manufacturer's Advisory Panel (MAP) up to version 2.0 Ingredients of "red lists" (Example: REACH) are not intentionally present in any yarn products. Materials Imperative 10: Red List Value: Contributes to 1 Imperative*	Universal Fibers® leadership member of the Health Product Declaration (HPD) Collaborative Manufacturer's Advisory Panel (MAP) up to version 2.0 Ingredients of "red lists" (Example: REACH) are not intentionally present in any yarn products. Feature 97: Material Transparency Value: Contributes to 1 feature*	N/A	N/A	N/A
INDOOR AIR QUALITY							
Low Emitting Materials – Flooring	●Thrive® via CRI Green Label Plus	●Thrive® via California Department of Public Health (CDPH) Standard Method v1.1-2010 Value: Contributes to 1 point*	●Thrive® via California Department of Public Health (CDPH) Standard Method v1.1-2010 Health + Happiness Imperative 08: Healthy Interior Environment Value: Contributes to 1 Imperative*	●Thrive® Feature 04: VOC Reduction (PART 3) via California Department of Public Health (CDPH) Standard Method v1.1-2010	Strategy 6.3 Indoor Air Quality Policy references U.S. GSA (2010) Facilities Standards for the Public Buildings Service	●Thrive® via California Department of Public Health (CDPH) Standard Method v1.1-2010 Hea 02 – (Indoor Air Quality) – Minimize sources of air pollution At least four of the five product types listed (Flooring is one) meet the requirements	N/A
Toxic Material Reduction	N/A	Note: See Ingredients – Material Ingredient Transparency	Note: See Ingredients – Material Ingredient Transparency	●Thrive® Feature 25: Toxic Material Reduction via flame retardant and phthalate reduction Note: See Ingredients – Material Ingredient Transparency	N/A	N/A	N/A
Cleanable Environment	N/A	N/A	N/A	●Thrive® Feature 28 Cleanable Environment via carpet tile and rugs	Strategy 4.7 Permanent Entryway Systems Value: Contributes to 1 point*	N/A	N/A
SOCIAL RESPONSIBILITY							
	●Thrive®, Industry Best nylon 66 IP Pilot Credit 91: Social Equity within the Supply Chain (50% of all suppliers needed) Option 2: Code of Conduct Value: Contributes to 1 point*	●Thrive®, Industry Best nylon 66 IP Pilot Credit 91: Social Equity within the Supply Chain (50% of all suppliers needed) Option 2: Code of Conduct Value: Contributes to 1 point*	N/A	N/A	Section 12 Emergency Procedures includes Strategies: 12.1 Database of building emergency equipment 12.2 Installed Automated External Defibrillator 12.3 Current schedule of certified first responders present 12.4 Emergency address notification system provided	N/A	N/A

Align with concept

Contribution via Mill Partners

Contribution via Universal Fibers®

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LEED® v3

Leadership in Energy and Environmental Design
This certification process focuses on green building strategies and materials that reduce energy and water usage. It promotes better indoor air quality and improving overall quality of life. LEEDv3 will be valid through 2021. Typically, no one product can earn a project LEED credits. A product can contribute to the earning of a LEED credit. LEED credits have varying numbers of points associated with them.

LEED® v4

Leadership in Energy and Environmental Design
This certification process focuses on green building strategies and materials that reduce energy and water usage. It promotes better indoor air quality and improving overall quality of life. LEEDv4 continues to raise the bar and will become mandatory November 1, 2016. Typically, no one product can earn a project LEED credits. A product can contribute to the earning of a LEED credit. LEED credits have varying numbers of points associated with them.

Living Building Challenge®

The most progressive building performance standard, fostering buildings that produce more energy than they consume. The LBC has 7 Petals. In order to achieve LBC Petal Certification, the corresponding Imperatives must be compliant. There are no "points" in this system.

The WELL® Building Standard v1

The WELL building standard focuses primarily on the human health and wellness impact of a project. The WELL Building Standard requires achievement of all preconditions for silver certification. Additional optimizations can be pursued in order to earn a gold or platinum level of WELL certification. There are no "points" in this system.

FitwelSM

Fitwel has a vision for the future where every building is enhanced to support the wellbeing of its occupants, and surrounding communities. It is a unique building certification system that positively impacts occupant health and productivity through an integrated approach to workplace design and operations. Fitwel's development was led by the US Centers for Disease Control and Prevention (CDC) and the General Services Administration (GSA). The Center for Active Design is the operator for Fitwel. The Fitwel standard is comprised of 63 strategies; each with a weighted point value. Fitwel's point values were assigned based on health impact.

BREEAM®

BREEAM (Building Research Establishment Environmental Assessment Method) is the world's longest standing method of certifying the sustainability of building. BREEAM is most prominently used in the United Kingdom with a more recent introduction in the United States market.

2030 Challenge for Products

Products for new buildings, developments, and renovations shall meet a maximum carbon-equivalent footprint of 30% below the product category average.

- *POINTS and VALUES**
- All points/values mentioned herein are contributions from the Thrive® fiber.
 - Fiber contribution is a component of the overall installed building product (carpet) contribution.
 - In some building standards, innovation points can be achieved. Innovation points are not included in this document.

● GreenCircle™

● Thrive®

● Thrive®, Industry Best nylon 66

Thrive[®]

LEED[®] + Beyond

"If you are specifying more than a ton of it, you want to know its carbon footprint... My priority is on the carbon. We need to pay attention to the carbon we are putting into the atmosphere right now."

Kirsten Ritchie
Director of Sustainable
Design, Gensler

"If current trends continue, estimates suggest, by the year 2030, we will need the equivalent of two planets."

Global Footprint Network
(cited in the LEED v4 Reference Guide for
Building Design and Construction, 2016)