

# THRIVE®, LEED® + BEYOND

Environmental Initiative	Green Building and Product Rating Systems						
	LEED® v3	LEED® v4	Living Building Challenge®	The WELL® Building Standard v1	Fitwel <sup>SM</sup>	BREEAM®	2030 Challenge for Products
<b>WATER</b>							
<b>Water Reduction – 3% Manufacturing</b>	●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
<b>ENERGY</b>							
<b>Energy Reduction – 7% Manufacturing</b>	●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
<b>MATERIAL – WASTE</b>							
<b>Waste Reduction Manufacturing / Product Life / End of Life</b>	●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%  Materials Imperative 12: Responsible Industry	N/A	N/A	●GC Universal Fibers® •Reduced waste to landfill – 24% •Waste diversion from landfill – 95% •Take Back Program •Recyclable – 100%  WST 01 (Construction Management) and Operational Management	N/A
<b>CO2 FOOTPRINT</b>							
<b>Carbon Footprint Reduction UF Facility – 7%</b>	N/A	N/A	Materials Imperative 11: Embodied Carbon Footprint	N/A	N/A	N/A	●GC Universal Fibers® Reduction of Facility – 7%
<b>Thrive® Product CO<sub>2</sub> Industry Best (ratio 1:4)</b>	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
<b>MATERIALS</b>							
<b>Recycled Content</b>	●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
<b>Regional Materials</b>	●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.	●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.	●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	N/A	N/A	N/A	N/A
<b>Life Cycle Analysis (LCA) + Environmental Product Declaration (EPD)</b>	N/A	●Thrive® UL (UL Environment) Building Product Disclosure + Optimization (BPDO) – EPD: Product Specific Type III via Option 1	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
<b>Corporate Sustainability Report (CSR) per GRI v4 Framework</b>	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)	N/A	Feature 98: Organizational Transparency  Contracted Corporate Sustainability Report (CSR) per Global Reporting Initiative (GRI) v4 framework (Pending release in 2017)	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
<b>Material Ingredients Transparency</b>	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.	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	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	N/A	N/A	N/A
<b>INDOOR AIR QUALITY</b>							
<b>Low Emitting Materials – Flooring</b>	●Thrive® via CRI Green Label Plus	●Thrive® via California Department of Public Health (CDPH) Standard Method v1.1-2010	●Thrive® via California Department of Public Health (CDPH) Standard Method v1.1-2010  Health + Happiness Imperative 08: Healthy Interior Environment	●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
<b>Toxic Material Reduction</b>	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
<b>Cleanable Environment</b>	N/A	N/A	N/A	●Thrive® Feature 28 Cleanable Environment via carpet tile and rugs	Strategy 4.7 Permanent Entryway Systems	N/A	N/A
<b>SOCIAL RESPONSIBILITY</b>							
	●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	●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	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®

## INDEX

### 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.

### 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.

### Living Building Challenge®

The most progressive building performance standard, fostering buildings that produce more energy than they consume.

### The WELL® Building Standard v1

The WELL building standard focuses primarily on the human health and wellness impact of a project.

### Fitwel<sup>SM</sup>

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.

### 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.

● GreenCircle™

● Thrive®

● Thrive®, Industry Best nylon 66

*"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)

# Thrive<sup>®</sup>

LEED<sup>®</sup> + Beyond

