

# LEED v4.1™ BD+C Guide

Rollease Acmeda Contract offers solutions and products that fit LEED v4.1 BD+C Rating System. LEED v4.1 focuses on innovation and enhancement built on the foundation of LEED v4.0. Rollease Acmeda Contract has organized the Rollease Acmeda products that fit the LEED v4.1 Building Standards outlined below.

## Energy & Atmosphere

Credit	Project Types	Credit Intent	Our Contribution	Product
<b>EA Credit: Optimize Energy Performance</b>	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.	To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excess energy use.	Analyze efficiency measures, focusing on load reduction and HVAC-related strategies (passive measures are acceptable) appropriate for the facility. For example, Rollease Acmeda shading systems help right-size the HVAC system by controlling solar heat gain and reducing the need for a larger system. Rollease Acmeda offers products with as high as 85% Solar Reflection (Rs).	<b>ALL Rollease Acmeda Systems:</b> Contract Series One, Contract Series Two and Specialty. <b>ALL Textstyle Fabrics:</b> SilverScreen (85% Rs), OmniaScreen, EnviroScreen, Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Light Filtering and Blackout, Tempe, Anzio.

## Materials & Resources

Credit	Project Types	Credit Intent	Our Contribution	Product
<b>MR Credit: Building Product Disclosure &amp; Optimization – Sourcing of Raw Materials</b>	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.	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 extracted or sourced in a responsible manner.	Recycled content. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation. Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. *Contact <a href="mailto:contract@rolleaseacmeda.com">contract@rolleaseacmeda.com</a> for a Product Content Form.	<b>Rollease Acmeda clutches</b> are made from 25% recycled material. Of that 25%, 100% is post-industrial and 0% is post-consumer. <b>Rollease Acmeda tube and other extruded products</b> are 90% recycled material by weight. Of the 90%, approximately 75% is post-industrial, and 25% is post-consumer. <b>Textstyle Fabrics:</b> Ambient Renew Fabric, is 85% recycled material.

## Materials & Resources (continued)

Credit	Project Type	Credit Intent	Our Contribution	Product
<b>MR Credit: Building Product Disclosure &amp; Optimization – Materials Ingredients, option 1</b>	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.	Despite the regulatory safeguards for some toxic chemicals, 96% of the roughly 85,000 chemicals on the U.S. market have never been screened for possible health effects. Persistent bioaccumulative and toxic chemicals (PBTs) and persistent organic pollutants (POPs) are often found in building products and materials. PBTs linger in the environment, accumulate in organisms high on the food chain (including humans), and can cause harm even in very small doses. PBTs released during the manufacture, use, or disposal of a product can threaten the health of plants and animals many miles away.	Rollease Acmeda has reviewed and screened the materials used in their products and has published and completed Health Product Declarations with full disclosure of known hazards in compliance with the Health Product Declaration open Standard.	<b>Rollease Acmeda systems with HPDs:</b> Contract Series One and Two <b>Textstyle Fabrics with HPDs:</b> Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Light Filtering and Blackout, Tempe OmniaScreen, SilverScreen, EnviroScreen.

## Indoor Environmental Quality

Credit	Project Type	Credit Intent	Our Contribution	Product
<b>EQ Credit: Acoustic Performance</b>	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.	To provide classrooms that facilitate teacher-to-student and student-to-student communication through effective acoustic design.	Rollease Acmeda fabrics are tested following ASTM C423 - Sound Absorption Testing to determine the Noise Reduction Coefficient. Noise Reduction Coefficient is a number that rates the capability of a material to absorb sound. This is important because a room with many reflective surfaces will allow sound to build up and build up, getting louder and louder. Reflective surfaces that cause problems include hard floors, bare ceilings, and walls. Glass partitions and large windows also increase echo, also called reverberation. Rollease Acmeda shading systems absorb sound, thus reducing the room's reflective sound or reverberation time.	<b>Textstyle Fabrics with NRC testing:</b> Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Blackout, Tempe, OmniaScreen, SilverScreen, EnviroScreen. *Contact <a href="mailto:contract@rolleaseacmeda.com">contract@rolleaseacmeda.com</a> for test data.

## Indoor Environmental Quality (continued)

<p><b>EQ Credit: Low-Emitting Materials</b></p>	<p>New Construction, Core &amp; Shell, Schools, Retail, Data Centers, Warehouses &amp; Distribution Centers, Hospitality, Healthcare.</p>	<p>To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.</p>	<p>Option 1. Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported (TVOC ranges: 0.5 mg/m<sup>3</sup> or less, between 0.5 and 5 mg/m<sup>3</sup>, or 5 mg/m<sup>3</sup> or more). <b>Rollease Acmeda products are considered low emitting materials; TVOCs are &lt;.5mg/m<sup>3</sup>.</b></p>	<p><b>ALL Rollease Acmeda Systems:</b> Contract Series One, Contract Series Two and Specialty. <b>Textstyle Fabrics:</b> Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Light Filtering and Blackout, Tempe, OmniaScreen, SilverScreen, EnviroScreen.</p>
<p><b>EQ Credit: Thermal Comfort</b></p>	<p>New Construction, Schools, Retail, Data Centers, Warehouses &amp; Distribution Centers, Hospitality, Healthcare.</p>	<p>To promote occupants' productivity, comfort, and well-being by providing quality thermal comfort. All Rollease Acmeda Contract Shading Systems and fabrics contribute to thermal comfort by blocking or filtering the sun's rays, greatly reducing the total solar transmission realized into the building envelope and can be individual occupant controlled. Rollease Acmeda shading systems consider thermal comfort controls for occupants as a project option.</p>	<p>All Rollease Acmeda Contract Shading Systems and fabrics contribute to thermal comfort by blocking or filtering the sun's rays, greatly reducing the total solar transmission realized into the building envelope and can be individual occupant controlled. Rollease Acmeda shading systems consider thermal comfort controls for occupants as a project option.</p>	<p><b>ALL Rollease Acmeda Systems:</b> Contract Series One, Contract Series Two and Specialty. <b>ALL Textstyle Fabrics:</b> Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Light Filtering and Blackout, Tempe, OmniaScreen, SilverScreen, EnviroScreen, Anzio.</p>
<p><b>EQ Credit: Daylight</b></p>	<p>New Construction, Core &amp; Shell, Schools, Retail, Data Centers, Warehouses &amp; Distribution Centers, Hospitality, Healthcare.</p>	<p>To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.</p>	<p>Increased access to daylight has positive human behavioral and health effects by reinforcing our circadian rhythms. Access to sufficient sunlight has shown to increase healing times in hospitals, improve students' performance, and increase productivity in the workplace. Openness factor is an important consideration in allowing daylight to filter in while reducing glare and energy consumption.</p> <p>Openness factor is the most widely used metric to measure the amount of light passing through a fabric. Rollease Acmeda Textstyle Fabrics come in a wide range of openness factors from &lt;1% through 15%. The smaller the percentage, the less light comes through the textile weave along with less view-through.</p>	<p><b>ALL Rollease Acmeda Systems:</b> Contract Series One, Contract Series Two, Specialty, and Exterior Shades. <b>Textstyle Fabrics:</b> X-Weave, Kleenscreen, 3000 NET, 4000 NET, 3000 HT, Ambient Renew, Mesa Light Filtering, OmniaScreen, SilverScreen, EnviroScreen, Anzio.</p>

## Indoor Environmental Quality (continued)

<p><b>EQ Credit: Quality Views</b></p>	<p>New Construction, Core &amp; Shell, Schools, Retail, Data Centers, Warehouses &amp; Distribution Centers, Hospitality, Healthcare.</p>	<p>To give building occupants a connection to the natural outdoor environment by providing quality views.</p>	<p>Rollease Acmeda Contract Shading Systems and sheer fabrics (non-blackout shade cloth) contribute to Quality Views by filtering the sun's direct rays, allowing quality views into the distance while controlling glare and thermal radiance.</p>	<p><b>ALL Rollease Acmeda Systems:</b> Contract Series One, Contract Series Two, Specialty, and Exterior Shades. <b>Textstyle Fabrics:</b> X-Weave, Kleenscreen, 3000 NET, 4000 NET, 3000 HT, Ambient Renew, Mesa Light Filtering, OmniaScreen, SilverScreen, EnviroScreen.</p>
--	---	---	---	---

## Additional Attributes

Credit	Project Type	Credit Intent	Our Contribution	Product
<p><b>LBC Red List Compliant</b></p>	<p>Green Building: LEED v4.1, WELL v2, Living Building Challenge 4.0.</p>	<p>To help create materials that are non-toxic, transparent and socially equitable by containing no chemicals or compound groups as designated by the LBC Red List.</p>	<p>The RED List contains twenty-two classes of chemicals prevalent in the building industry, which ILFI has designated as worst-in-class. These chemicals include chlorinated polymers (PVC), antimicrobial agents, BPA (bisphenol A), and asbestos.</p> <p><b>Rollease Acmeda products listed are FREE of Red List ingredients.</b></p>	<p><b>ALL Rollease Acmeda Systems:</b> Contract Series One and Contract Series Two. <b>Textstyle Fabrics:</b> Ambient Renew, EnviroScreen.</p>
<p><b>OEKO-TEX Standard 100 Certification</b></p>		<p>To provide certainty that every component of the fabric has been tested for harmful substances and that the article therefore is harmless for human health. The testing takes into account both regulated and non-regulated substances, which may be harmful to human health. In many cases the limit values for the STANDARD 100 go beyond national and international requirements.</p>	<p>Our products have been tested to OEKO-TEX Standard 100, met the requirements, and received an OEKO-TEX Standard 100 certification.</p>	<p><b>Textstyle Fabrics:</b> Kleenscreen, 3000 NET, 4000 NET, 3000 HT, X-Weave, Ambient Renew, Mesa Light Filtering and Blackout, OmniaScreen, SilverScreen, EnviroScreen, Anzio.</p>