

CRYPTON IS GREEN... AND GETTING GREENER.

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As an alternative to Greenguard certification, Crypton Green is certified SCS Indoor Advantage™ Gold, which in some cases is more stringent than Greenguard's Indoor Air Quality Standard (*also see Indoor Air Quality 101, pages 20-25, in the Crypton Super Fabrics Guide to Green*).

Q: Can Crypton Green contribute to LEED-CI points or the *Green Guide for Health Care*?

A: While the selection of Crypton Green alone will not garner points, here's how it may contribute to points in LEED-CI credits (Version 2.0) and corresponding credits in the *Green Guide for Health Care*.

01. **Credit MR 3.3, Resource Reuse – 30% Furniture and Furnishings (1 point):** Crypton's long lifecycle (durability, cleanability, and disinfectability) enables the reuse of upholstered furnishings.
02. **Credits MR 4.1 and 4.2, Recycled Content (1 or 2 points):** Many Crypton Fabrics include pre- or post-consumer recycled fibers.
03. **Credit MR 5.2, Regional Materials – 10% Extracted and Manufactured**

Regionally (1 point): Crypton contributes if both the project and manufacturing sites for the upholstered furnishing are within 500 miles of Crypton's facility in Kings Mountain, N.C.

04. **Credit MR 6, Rapidly Renewable Materials (1 point):** Some Crypton fabrics include wool, a rapidly renewable fiber.
05. **Credit EQ 4.5, Low-Emitting Materials, Systems Furniture, and Seating (1 point):** Crypton Green is certified by Scientific Certification Systems to meet Section 01350 emissions requirements, helping furniture manufacturers comply to LEED-CI specifications for systems furniture and seating.
06. **Credits ID 1.1 – 1.4, Innovation in Design (1 to 4 points):** Crypton Green may contribute because of its Cradle™ certification from MBDC and the purchase of renewable energy credits for its production.

Visit www.cryptonfabric.com to download our second edition *Guide to Green Live Clean™ (and Green)*.



Crypton designs and manufactures environmentally responsible performance fabrics and furnishings.

Crypton Green FAQs



Q: What do you have to do to make the claim “Crypton Green”?

- A: Crypton Green fabrics are constructed with **optimized fibers and chemistry**. There are four requirements for creating new collections:
01. Select fiber content that is either:
 - (a) 50-100% recycled
 - (b) 100% heavy-metal-free polyester
 - (c) 100% wool with heavy-metal-free dyes
 - (d) 100% polypropylene
 02. The end-product has to **meet Section 01350 emissions requirements**. **Crypton Green is SCS Indoor Advantage™ Gold-certified.**
 03. All chemical ingredients must be assessed down to 100 parts per million. A third party, such as MBDC, will assess the toxicity and safety of the raw materials. **Environmentally preferable ingredients are used.** Crypton Green is MBDC Cradle to Cradle™ – Silver-certified.
 04. Engineer the fabric to meet the Crypton brand promise – **excellent resistance to abrasion, odor, liquid, and stains** – so that the product is more sustainable. A longer life makes for a better lifecycle.

Q: What makes Crypton’s chemistry green?

- A: Our green formulation is now being applied to all Crypton Fabrics, not just Crypton Green. The new chemistry is green because we have **reduced or eliminated formaldehyde, PFOAs, and halogenated flame retardants, including PBDEs**. All Crypton Super Fabrics have ultra-low or

non-detectable emissions. Crypton resists bacteria, mildew, and odor to extend the life of the fabric without the use of conventional leaching anti-microbials. The Crypton formulation, inventoried down to 100 parts per million, has been assessed and is **Cradle to Cradle™ Silver-certified** by MBDC.

Q: Are all Crypton Fabrics green?

- A: **We are constantly trying to make all of our fabrics increasingly sustainable**. There is no black and white in green, and we recognize there is a Green Spectrum in which some products are more sustainable than others (eg: 100% vs. 50% recycled).

With our initiative to **use green chemistry on all Crypton Fabrics**, we are moving in the right direction. It is more costly to us, but it is the right thing to do.

Crypton Green is a bigger step along the spectrum, because it ensures more **sustainable fibers are used and that the most stringent emissions requirements are met**.

Greening our manufacturing facility is also an important factor in our products’ “greenness.”

Because many factors are involved, and because the variables should be measured to avoid greenwashing, we are actively participating in the development of the Standard for Sustainable Commercial Fabrics. This product standard includes metrics for fiber selection, water, energy, recycling, safety of materials, and social accountability. **In the near future, we will be able to quantify our sustainability.**

Q: What does it mean that Crypton’s manufacturing facility is green?

- A: **Greening a facility is a long-term endeavor:**

01. Some manufacturing practices, such as recycling tubes and fabric scraps, were implemented quickly. Crypton’s manufacturing scrap is recycled into shoddy, an underlayment for carpeting.
02. Purchasing **renewable energy credits** is an important attribute of sustainability, and it is also relatively easy to do. Crypton will purchase such credits for each yard of Crypton Green produced.
03. **Outdoor air quality and plant emissions** were addressed by the installation of an air scrubber when the plant was first made operational.
04. The most meaningful changes have been capital-intensive and costly, but these investments have the **dual benefit of environmental responsibility and reducing manufacturing costs**.
 - » The purchase of our roll packaging machine has **reduced our plastic consumption**.
 - » Most significantly, we have purchased machinery that can apply our chemistry without the use of water. These machines incorporate leapfrog, not evolutionary, technologies. **Today, Crypton’s manufacturing facility uses 40% less water (gal. per lb. of fabric) than in 2003.**
05. We continue to seek improvements and best practices. **We are committed to participating in the pilot assessment**

for The Standard for Sustainable Commercial Fabrics – which accounts for water and energy consumption.

Q: Can Crypton be recycled?

- A: **Yes**. A common outlet for recycled fabrics is shoddy – used in making carpet padding and rear parcel shelves in cars.

Q: What is MBDC?

- A: McDonough Braungart Design Chemistry – a partnership between William McDonough, an architect and Michael Braungart, a chemist (www.mbdc.com). MBDC’s Cradle to Cradle™ optimization involves the (re)design of products and the selection of materials for healthy, progressively cradle to cradle lifecycles.

Q: What is SCS?

- A: Scientific Certification Systems – (www.scs-certified.com). SCS is an independent, third-party auditor that specializes in **product certifications for environmental and sustainability claims**. The SCS Indoor Advantage™ Gold certification is for building materials, furniture systems, and seating that meet the indoor air emissions criteria of CHPS 01350, the California Indoor Air Quality Specification for Open Panel Office Furniture, and LEED EQ 4.1, 4.2, 4.4, and 4.5.

Q: Does Crypton Green meet Greenguard’s emissions requirements?

- A: **Yes**. Independent third-party emissions testing indicates Crypton Green meets Greenguard’s emissions requirements.

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Is Crypton a fabric?

Yes, it is a textile. Fiber constructions are encapsulated to work within our patented systems.

What makes Crypton different from other fabrics?

Crypton is the only fabric that offers extreme stain, spill, moisture, odor, and bacteria resistance with its integrated moisture barrier.

What uses are there for Crypton?

Crypton is the perfect upholstery solution for households with kids, pets or just messy adults. In addition to upholstery, Crypton can be used as drapery, wall coverings, car covers, and more. Crypton has recently unveiled its new line of consumer and pet products.

How does Crypton feel?

Like it's supposed to! Crypton comes in a range of fabric options: Suede, Wovens, Prints, Twill, Chenille, and even Velvet.

Is Crypton safe for kids and pets?

Yes, Crypton does NOT contain any toxic chemicals or carcinogens that can be leached out with water, upholstery cleaners, or even saliva from children and pets. Supported by extensive research, our products have been thoroughly tested and found safe for kids and pets — they can even chew on them.

What are some of the bacteria and microbes that Crypton protects against?

Our fabrics prohibit the growth of molds like *Aspergillus Niger* and bacteria like *Staphylococcus Aureus*. Our fabrics' process includes chemistry that prohibits bacteria and mold from spreading.

Can I be allergic to Crypton?

Most likely not, but highly allergic individuals may want to check with their doctor. We don't use chemistry that comes off the fabric. Some Crypton Fabrics use acrylic latex, but never rubber latex.

How can Crypton Fabric be both breathable and provide a moisture barrier?

The test for breathability (ASTM-E96) measures the amount of vapor that can pass through the fabric. The pores formed during Crypton's treatment are large enough to let air pass through but small enough to keep water out.

Is Crypton covered by any warranty?

Yes, we offer a five-year warranty on our moisture barrier. What that means for you is that we absolutely stand by the statement that our fabric will remain spill, moisture, bacteria, and odor-free!

Can my fabric be Cryptonized?

No. Fabrics must be specifically woven to be compatible with our systems.

Is there any vinyl in Crypton?

No. There are no plasticizers, and manufacturing the product is far more advanced than a lamination process.

Does Crypton have VOCs, PFOAs, or formaldehyde?

No. Crypton Super Fabrics do not contain VOCs (volatile organic compounds) that can be emitted over time into the air, adversely affecting indoor air quality. Crypton also uses no PFOAs (perfluorooctanoic acids) during its manufacturing process nor does it use formaldehyde.

Can you use Crypton for outdoor applications?

Standard Crypton will provide 40+ hours of fading resistance just like any other interior fabric. 500 hours are recommended for continual outdoor use. However, Crypton has been used successfully in protected outdoor areas. Crypton's new outdoor product is colourfast (500+ hours) and bleach-resistant. It can be used outside for pool or spa settings

