

Crypton 99.9% Fluorine-Free FAQs

A New Gold Standard: The Evolution of Crypton

What changed?

- Crypton's team of research and development scientists continue to innovate and improve efficiencies in Crypton's core technologies
 - All Crypton fabric is now produced with 0.1% of fluorine or less
 - Tested and verified by third party testing method AATCC 189
 - All Crypton fabric continues to either meet or exceed our rigorous standards

How does the new formulation perform?

- It maintains the gold standard performance that has made Crypton a trusted name in the design industry – it does not compromise performance in any way
- Performance with new formula has been tested in the field for one year
- This formula breakthrough delivers an even softer hand

How does this evolution in chemistry affect pricing?

- It doesn't, we are making our chemistry work harder for us.
- Our prices remain the same

What was the concentration previously?

- When Crypton first opened its doors in 1993, we used closer to 1% to guarantee the strongest possible performance before much research was done with the formula
- Crypton has always pushed to stay ahead of the curve in evolving technology; we were one of the first companies in the textile industry to transition from C8 to C6 chemistries [imported generics still may utilize C8 technology]
- Crypton pioneered the industry with trademarked C-Zero technology, which has become a commonly used reference when speaking about fluorine-free fabrics

How were you able to improve the formula?

- We developed and continue to refine our fluorine-free product, C-Zero – as we improved that technology, we were able to borrow some of that repellent technology for our eponymous product

What certifications does Crypton have?

- GREENGUARD Gold Certified
- Test method AATCC 189 verifies less than 0.1% fluorine
- 99.9% fluorine free and C-Zero are compliant with the ILFI Red List, particularly important in the Pacific Northwest and for aggressively green companies such as Google and Perkins & Will
- C-Zero is HHI compliant

Why is fluorine necessary in performance fabrics?

- Fluorine is only known option for oil-repellency
 - o A natural element is used for oil-repellency, pervasive across a spectrum of everyday products
- Crypton uses a "preferred" fluorine; fluorinated polymer is permanently bonded to the fiber and will never rub off

Crypton 99.9% Fluorine-Free FAQs A New Gold Standard: The Evolution of Crypton

Why is fluorine necessary in performance fabrics? (*continued*)

- The stability and purity of the polymer is third party verified – does not degrade into harmful substances
- 0.1% fluorine is lowest amount yet to achieve the Crypton standard of performance

Why are products C6? Why don't you change to C2 or C4 while the technology is evolving?

- C6 has the same environmental and hazard profile as C2 and C4
- All of these substances are not bioaccumulative and have a similar low toxicity profile unlike longer chain substances (C8 etc.)
- C6 performs significantly better than C2 and C4 allowing for higher performance at lower concentrations
- Crypton performance cannot be reached with C2 and C4 chemistry even at extreme concentrations

What makes Crypton different from other performance fabrics?

- Team of in-house scientists constantly innovating and improving products
- Lowest fluorine content in category
- One stop shop for performance fabrics, depending on project's needs
- Certifications and testing
- Warranties

Why ask for Crypton by name? What are the benefits of Crypton over others?

- Most advanced formula delivers guaranteed durability and the best hand
- In-house scientists calibrate the protection based on the fiber content and texture of each individual fabric
- Full transparency on fluorine content
- Made in the USA with full compliance to Federal (EPA, OSHA) and state regulations (California Proposition 65)
- End-users recognize and respect the Crypton brand
- GREENGUARD Gold
- 5-year warranty
- Generic treatments might have questionable chemistry – you don't know what is in it and if harmful

How do Crypton fabrics contribute positively to the environment?

- Enhanced durability extends the life of furnishings by up to 7 years
- Extended furniture life reduces replacement and repair of goods for a net positive carbon impact
- No harsh cleaners are needed to restore the beauty of the fabrics

How does the use of Crypton protect human health in public spaces?

- Crypton technology resists the growth of both mold and mildew and prevents the growth of odor-causing bacteria and microorganisms
- Crypton's integrated moisture barrier prevents liquids from penetrating and harboring in upholstery cushions

Crypton 99.9% Fluorine-Free FAQs

A New Gold Standard: The Evolution of Crypton

Why is C-Zero Fabric newsworthy?

- Crypton pioneered the industry with their trademarked C-Zero technology, which has become a commonly used reference when speaking about fluorine-free fabrics
- Compliant with Healthier Hospitals Initiative
- Interior Design Best of Year Award winner for Green Innovation

Which Crypton to recommend to clients?

- Crypton for projects that require both water and oil-based stain resistance such as restaurants, hotels, healthcare, assisted living centers and high traffic areas
- 99.9% fluorine free Crypton and C-Zero are both compliant with the ILFI Red List
- C-Zero is HHI compliant and
- C-Zero resists water-based stains such as wine, chocolate, coffee and ketchup

Can Crypton be applied to any fabric?

- Only Crypton is Crypton
- For sustainable performance on a non-Crypton fabric, specify finishing with our Nanotex Technology

Has the formula of your finishes - INCASE and Nanotex - also evolved?

- Yes - we utilized the same learnings of reduced fluorine across Crypton technologies

Are all Crypton technologies 99.9% fluorine-free?

- All Crypton fabrics are 99.9% fluorine free
- C-Zero is 100% fluorine-free
- Revl and leather are 100% fluorine-free

What is the factual basis for claiming Crypton is eco-friendly?

- No Long-Chain Perfluorinated Chemicals
- No PFOA
- No PFOS
- No PFAS of environmental concern
- No Solvents
- No Formaldehyde
- No Heavy Metals
- No Phthalates
- Non bio-accumulative
- Rapid bio-elimination
- Low acute toxicity
- Low aquatic toxicity
- Non-carcinogenic
- Technology calibrated on site to each yard of fabric
- GREENGUARD Gold Certification
- Environmentally-friendly plant and processes
- Meets rigorous chemical emission standards
- Treatment embedded in every fiber so will never wear off
- Not a selective developmental or reproductive toxicant
- Manufactured in USA