

Research and Development Team

October, 2009 Release

Corporate Offices: West Bloomfield, Michigan

Manufacturing facility: Kings Mountain, North Carolina

## New INCASE Technology Features Superior Cleaning Technology

Perfect when a barrier is not required, Crypton's new INCASE fabric protection delivers superior cleanability that is customized to each end-use. Crypton's advanced stain and microbial resistant treatment with INCASE works at the molecular level to increase surface tension resulting in liquids rolling off the surface unlike any other product in the marketplace. INCASE fabrics are manufactured at our Kings Mountain, North Carolina facility according to end use, texture and fiber type.

The same 15 years of experience from making Crypton barrier fabric guided this new technology that exceeds other finishes that are topically applied. INCASE also has earned the leading certifications for the greenest treatments available by using silver ion technology to inhibit the growth of broad spectrum bacteria and organisms.

Crypton INCASE will not change the hand or appearance of the fabric, and is designed to be FR neutral meaning that it will not negatively impact inherently flame-retardant fabrics. INCASE fabric will pass the NFPA 701 Vertical Flame Resistant Test for draperies and cubicle curtains. To find an INCASE Fabric Distributor for your project, visit [www.cryptonfabric.com/incase](http://www.cryptonfabric.com/incase)

Over 30 combinations of fibers, dyes, and finishes have been third-party tested for VOCs, including formaldehyde. Crypton Super Fabrics, Crypton Green, and INCASE are SCS Indoor Advantage™ Gold certified to the toughest product emissions standard – California's Section 01350, helping to ensure they're safe for sensitive groups and children. See our SCS certificates at [www.scs-certified.com/products/cert\\_pdfs/Crypton\\_2009\\_SCS-IAQ-01616\\_s.pdf](http://www.scs-certified.com/products/cert_pdfs/Crypton_2009_SCS-IAQ-01616_s.pdf).

## Toxicity and Bioaccumulation

Crypton barrier and INCASE fabrics are free of PFOS and have no detectable levels of PFOA, molecules that could be found at low levels in past stain-resistant chemistries. PFOS and PFOA are known and suspected carcinogens, respectively, and have been shown to be bio-accumulative and bio-persistent. Fortunately, PFOS-containing chemistries were taken off the market roughly a decade ago.

Crypton has been third-party tested for the presence of heavy metals, phenols, phthalates, odor, and skin sensitizers. By adhering to stringent specifications Crypton Mattress Fabric was Oeko-Tex Standard 100 certified. Oeko-Tex is the most widely recognized label for environmental textiles in the world. See our certificate at [www.cryptonfabric.com/INCASE](http://www.cryptonfabric.com/INCASE)

See our current endorsement at

[www.oekotex.com/OekoTex100\\_PUBLIC/content1.asp?area=hauptmenue&site=einkaufsfuehrer&cls=02&tr=1#ts](http://www.oekotex.com/OekoTex100_PUBLIC/content1.asp?area=hauptmenue&site=einkaufsfuehrer&cls=02&tr=1#ts)

Our products do not contain any of the Substances of Very High Concern that have been banned by REACH, the new legislation for chemicals sold in the European Union. REACH stands for **Registration, Evaluation, and Authorization and Restriction of Chemicals**.

We have also developed fabrics that meet a variety of flammability specifications without the use of halogenated flame retardants, including PBDEs. Also, our fabrics resist microbial growth without the use of leaching antimicrobials. Silver Ion Technology was introduced to Crypton Green in 2006, to Crypton Super Fabrics in 2007, and to INCASE in 2008. Test results show a 99.9% reduction of Staphylococcus aureus after 20 commercial launderings of INCASE FR cubicle curtains.