

## STATICSMART™ Carpet Tile Yarn Construction

Static Induction FibreLink Technology™ is at the heart of StaticSmart ESD Carpet. Its patented yarn construction technology provides a permanent groundable path for the safe dissipation of unwanted static charges.

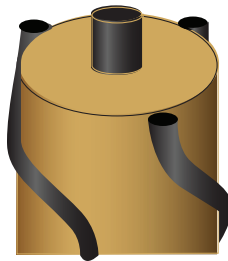
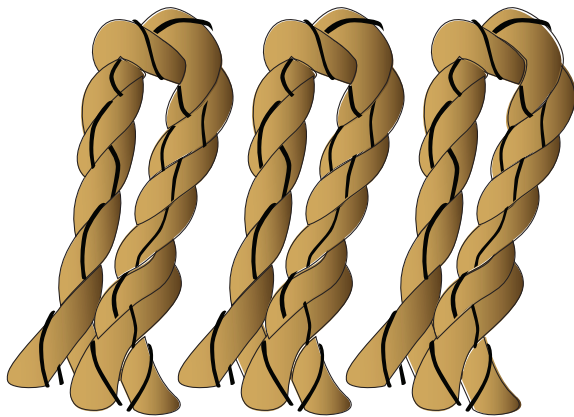
**1. Conductive Double Helix Microfilament** is woven around every yarn strand, into every bundle, and connected to the conductive secondary backing. This advanced fibreLink construction creates multiple contact points and provides permanent static protection without the need for anti-stat treatments.

**2. Multiple Conductive Contact Points** in the StaticSmart conductive fiber use induction to continuously sweep static charges off shoe soles, inhibiting the buildup of static electricity.

**3. Carbon-loaded filament** built into the FibreLink conductive fiber provides permanent static control in any temperature or humidity conditions — for the life of the carpet.

**4. Recycled content.** StaticSmart carpet contains premium branded Nylon 6 carpet fiber, Eco Solution Q, which contains 45% recycled content\* — including 20% pre-consumer recycled content and 25% post-consumer recycled content sourced from caprolactam (the monomer or 'building block' of Nylon 6) recovered through the Evergreen Nylon 6 Recycling facility in Augusta, Georgia.

*\*The recycled content is based on allocated nylon fiber from Shaw's total nylon fiber production and determined as a percent of total Eco Solution Q nylon output; actual recycled content will likely vary.*



### LOW KV CARPET FALLS SHORT

**1. Typical Low-kV commercial grade anti-static** carpet yarn utilizes an insulated anti-static fiber with topical anti-static coating. This provides limited and temporary protection against damaging static and requires regular application of anti-stat spray treatments.

**2. Much of the commercial grade anti-static, "low kV" carpet** on the market claim to be "good enough" at reducing static charges. The fact is that their construction limits their effectiveness in protecting against electrostatic discharge.

**3. Antistatic properties of typical "Low kV" carpet** are derived from a sprayed on antistat which eventually wears off, negating the carpet's antistatic properties and providing inadequate electrical performance.

**4. The problem with these products** is that their antistatic bi-component (conductive fiber) is insulated inside the yarn and lacks contact points, yielding compromised performance.

