

Fotosfera

www.interface.com

Europe, Middle East, Africa, India

AE	+971 4 399 6934
A	+41 44.913.68.00
BA	+387 33 522 534
BE	+32 2 475 27 27
BG	+359 2 808 303
BY	+375 17 226 75 14
CH	+41 44/9136800
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SI	+386 1 520 0500
SK	+421 244 454 323
TR	+ 90 5425220807
UA	+38(044)238 27 67
UK	+44 (0)1274 698503
ZA	+27 11 6083324

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Mission Zero
our promise to eliminate any
negative impact our company
may have on the environment
by the year 2020

3012230 August 2012

Interface®

Fotosfera

Pioneering bio-based nylon

Made with sunlight

Fotosfera is a pioneering collection made from a yarn with 63% bio-based content. The key ingredient? Oil from the seeds of the castor bean plants.

Fast-growing castor bean plants are rapidly renewable, and grow in hot, dry climates, in sandy loam soil. Hardier than many other crops, they can thrive in land prone to erosion, and only require water once in up to 25 days.

The crops are typically harvested twice each season to maximise yield. It is the high oil content of the castor beans which is extracted and then used as the key ingredient in the further processing of the bio-based nylon. This minimises the use of petroleum-based materials in Fotosfera.

Fotosfera



Around 70% of the world's castor bean plants are grown in India, where production provides interesting socio-economic benefits to local farmers. Castor bean plants grow on marginal land where other crops often struggle, providing farmers with additional income – often fetching revenue over ten times what it costs to start the crop.

What's more, unlike many other crops for bio-based materials, castor bean plants don't compete with food crops, as they can thrive on land unsuitable for other uses.

Socio-economic *benefits* to rural farmers

Fotosfera – excellent performance, as ever

Our new Fotosfera collection gives you the same high quality performance you expect from Interface, made for heavy contract applications, yet it's made out of rapidly renewable materials.

We've tested these new designs to ensure they meet our usual high standards, and there is no compromise in durability, appearance or all-round performance. Fotosfera performs against all known carpet tile standards for wear, suitability for castor chairs, flammability, soiling and electrostatic properties.

We believe it's a great example of **Design with Purpose.**



Fotosfera



Fotosfera **Structured** and Fotosfera **Micro**

Fotosfera consists of two designs – Structured and Micro – both available in eight co-ordinating colourways.

Fotosfera Structured

The Fotosfera Structured tile features patterned loop pile, a reliable performer in spaces where castor chairs are used. And with ashlar installation, the broadloom effect is easy to create – allowing flooring design to flow throughout the room.

Fotosfera Micro

Fotosfera Micro's microtuft construction may use less yarn than conventional tufted products, but it's a proven performer, combining excellent reliability with low environmental impact. Its modern, linear pattern and fresh colouration create a modern feel that enhances all contemporary spaces.

Fotosfera Structured



301230 Surat



301231 Nadia



301232 Patan



301233 Kheda



301234 Navsari



301235 Amreli



301236 Memsani



301237 Valsad

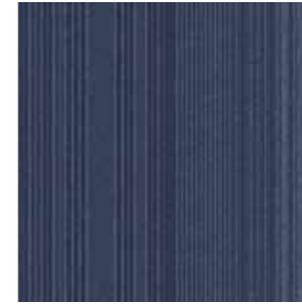
Fotosfera Micro



301222 Surat



301223 Nadia



301224 Patan



301225 Kheda



301226 Memsani



301227 Amreli



301228 Rajkot



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Towards Mission Zero®



Towards zero **virgin**
petro-chemical
raw materials

“A key part of Mission Zero is cutting the umbilical cord to virgin petrochemicals. Our aim is by 2020, all our products will be recycled or bio-based”

In 1994, we started our Mission Zero journey – the ultimate commitment to a concept that wasn't mainstream at the time: sustainability.

Mission Zero reflects our ambition to create positive change throughout our business, and to lead industry by example. It is also a constant reminder to always look for better ways of doing things –through Design with Purpose.

Ultimately, we aim to eliminate any negative impact we have on the environment by 2020.

A key part of Mission Zero is only using recycled or bio based raw materials, without compromising the quality or performance of our carpet tiles. Right now, 44% of all our raw materials come from recycled or bio-based sources. Our ultimate goal is 100%.

We've already made great progress introducing recycled materials in our products, and we're always exploring new approaches to achieving Mission Zero. Now we are pioneering bio-based yarns as an alternative to oil-based nylon – while maintaining the high performance our customers expect from our carpet tiles.





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At Interface we know that achieving Mission Zero® requires big changes and collaboration.

Setting our ambitious goal has challenged us to go beyond existing practices and explore new materials, new technologies and new ways of working together.

We look beyond the product itself to find smarter solutions across the full life cycle of our carpet tiles, for the benefit of our customers and the environment. We even go beyond the end of our products' useful life, and have developed take back and recycling options for used carpets, such as our ReEntry 2.0 operations. This effective process separates the main components of the carpet tiles, so they can be used as raw materials for new products of same material value.

Fotosfera is an example of how dedication can drive positive change and more sustainable products. To complete the Fotosfera offer to our clients, we have included as standard two of our most sustainable complementary solutions: Cool Carpet® and TacTiles™.

We encourage you as well to go beyond and choose from our most sustainable and pioneering products and services.

Cool Carpet® our carbon neutral service

Fotosfera is part of our Cool Carpet® programme, where we measure the carbon footprint throughout the lifecycle of our carpets – then work with partner organisations to acquire verified carbon offsets that neutralise these emissions. We calculate emissions not just from the manufacturing process, but also from raw materials, use and maintenance, and final disposal.

Interface's Cool Carpet® programme is verified by SGS, a world-leading company in inspection, verification, testing and certification. SGS assesses how we calculate our emissions, and confirms they are offset through verified emission reduction credits.

The projects we support follow strict standards and reduce carbon emissions by introducing renewable energy sources; increasing energy efficiency; or actually removing carbon from the atmosphere.



TacTiles™

great floors,
glue-free
installation

TacTiles™ is a glue-free installation system which is included with any purchase of Fotosfera. The system reduces the environmental impacts of the installation significantly compared to a traditional installation. As there is no need for liquid adhesives, TacTiles™ also create virtually zero volatile organic compounds (VOCs). No unpleasant odours mean better well-being for employees. And it eliminates the biggest source of emissions from a carpet installation, the glue, representing another giant step towards Mission Zero®.

TacTiles™ also make the installation fast and easy. The carpet is ready to use as soon as it is installed, so it's back to 'business as usual' straight away. The system also provides added flexibility, making it much easier to lift for repairs or repositioning, saving costs throughout its lifecycle.

