

## 1. Content

### a. Yarn

100% Polyamide 6.6 Antron Lumena incorporating 30% recycled content.

Produced in ISO14001 certified mill.

Antron Lumena is a premium nylon 6.6 yarn that gives outstanding wear and performance qualities. Compared to other solution dyed fibres, Antron Lumena can have up to

- 3 x better fade resistance,
- 10 x better stain resistance,
- 200% better texture retention,
- 65% better soil resistance, giving a product that will significantly outperform in terms of wear and appearance retention.

### b. Secondary Backing

There is zero waste from the tile cutting process, any waste is reincorporated into the production process or reprocessed for secondary life use.

## 2. Production site

a. Our production site has relevant systems for Quality Management and Environmental Management.

## 3. Installation

### a. Adhesive

Duraflor® advises to use a solvent-free, easy release system with very low emissions.

### b. Minimal installation waste

In a rectangular building, installed before walls, using our installation descriptions the waste for Carpet tiles is 3-4%. In comparison for broadloom the waste during installation rises to 10%+. Using a design such as Freedom Storm will reduce this even further.

## 4. End of Life

### a. Re-use

At the end of life, after cleaning, carpet tiles can be re-used in non-critical areas, to extend the product life.

### b. Recycling

Carpet tiles can be used recycled to avoid landfill.

### c. CARE

Carpet tiles can be converted into secondary fuel to reduce CO2 emissions drastically.

## 5. Life Cycle Analysis & Compliance to Green Building Certifications

### a. BRE Global (UK)

Building Research Establishment Ecopoint score 0,38

This product is rated for offices according to the BRE Green Guide to Specification. The BRE Global Environmental Profiles Certificate number ENP 428i, A-rated for offices. For more information on the Green Guide to Specification visit [www.bre.co.uk/greenguide](http://www.bre.co.uk/greenguide) or [www.greenbooklive.com](http://www.greenbooklive.com)

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## BREEAM 2011

This product can contribute towards credits in Mat 01 Life Cycle Impacts - to recognise and encourage the use of construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building. For more information on BREEAM visit [www.breeam.org](http://www.breeam.org).

## 6. Green Energy

The electricity that is used at our mills is 100% 'green electricity' generated from renewable resources

## 7. Production Process

### a. Recycling raw yarns

All the left overs and waste yarns are collected and recycled into new yarns.

### b. Ecological Packaging

We only use cardboard boxes that are made of 100% recycled material.

### c. Waste reduction

Compared to 2008 we have reduced the amount of residual yarns by 90% and the amount of cutting waste by 100%.

## 8. Health & Comfort

### a. Solvent-free Bitumen

For the bitumen backing we only use bitumen that is not oxidized and is solvent-free.

### b. No heavy metals

Carpet tiles are free of heavy metals and other harmful substances, such as lead, mercury or chromium.

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