

Sustainability – Danfloor as a supplier

How sustainable is the material and manufacturing process?

Danfloor, as a manufacturer, are very aware of our commitment to the environment and strive to minimise our impact on the world around us.

As a result, our Danish manufacturing and backing plants have a number of processes in place that have positive environmental messages.

Heat Extraction – The ovens used to apply specialised yarn coatings and the backings for a number of our ranges omit extreme heat. The excess heat is extracted from the ovens and circulated back into the building to heat elements such as the water.

Plastic carpet tubes – The plastic tubes which are found at the centre of our carpet rolls are made within our own backing facility. The backing facility take their waste plastic, break it down into pellets, which are then melted down and re-made into our recycled carpet tubes.

Waste Yarn – Cones of carpet yarn are known as creels. When a creel of yarn is finished, there is often a small amount of yarn still present on the creel. All of our creels are stripped of any remaining yarn, which is then recycled. One of the recycling processes involves sending the yarn to the UK, with our usual shipment of carpet, for Ulster Carpets. They use the yarn to make their AXFLET Underlay, which is made from 100% recycled content.

In addition to these processes and the rigorous testing and assessments undertaken to provide assurance that our products, manufacturing processes and management achieve the highest environmental credentials possible, we also look to our supply chain to source the most sustainable and environmentally responsible products.

Yarn selection

A number of our nylon ranges including Evolution and Economix, have been developed using Aquafil's regenerated ECONYL® nylon yarn, which performs exactly the same as virgin nylon but has a very different story behind it. ECONYL® regenerated nylon gives endless possibilities and can be recycled infinitely.

The ECONYL® 100% regenerated nylon yarn produced through this process has exactly the same high quality and technical performance as those made from virgin raw materials, however the big difference is that it is much more sustainable. Made from pre and post-consumer waste, including items such as abandoned nets that cause such devastating effects, the yarn aims to help reduce marine litter and limit its environmental impact.

Further to significantly reducing marine waste, the use of ECONYL® yarn can greatly assist in a sustainable environment. Compared to traditional polymers, ECONYL® yarn has the following environmental benefits.

For every 10,000 tons of ECONYL® raw material:

- 70,000 Barrels of crude oil are saved & 57,100 tonnes of CO2 eq. emissions are avoided

BREEAM

BREEAM is the world’s leading sustainability assessment method for master planning projects, infrastructure and buildings. It recognises and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use and refurbishment.

BREEAM achieves this through third-party certification of the assessment of an asset’s environmental, social and economic sustainability performance, using standards developed by BRE. This means BREEAM rated developments are more sustainable environments that enhance the well-being of the people who live and work in them, help protect natural resources and make for more attractive property investments.

BRE Certification gives you the confidence that our products and services will perform as expected. It ensures that they meet - and continue to meet - appropriate standards, through a combination of regular company audits and a schedule of ongoing tests.

Our full BRE Certification and Green Guide Ratings can be reviewed on the Green Book Live, details of our Equinox Collection ratings are below:

| Specification | Element no. | Building Assessed | Service Life | Eco Point Score | Green Guide Rating Certified |
|--|-------------|-------------------|--------------|-----------------|------------------------------|
| Equinox (Certificate No.511) | 1821570051 | Domestic | 10 | 0.376 | A |
| | | Healthcare | 10 | 0.373 | A+ |
| | | Education | 10 | 0.373 | A |
| Equinox Evolve (Certificate No.511) | 1821570053 | Domestic | 10 | 0.388 | A |
| | | Healthcare | 10 | 0.385 | A |
| | | Education | 10 | 0.385 | A |
| Equinox Tones (Certificate No.511) | 1821570054 | Domestic | 10 | 0.379 | A |
| | | Healthcare | 10 | 0.376 | A+ |
| | | Education | 10 | 0.376 | A |
| Equinox Stripe (Certificate No.511) | 1821570052 | Domestic | 10 | 0.375 | A |
| | | Healthcare | 10 | 0.372 | A |
| | | Education | 10 | 0.372 | A+ |

Following a series of rigorous tests, our Equinox collection has been awarded Gold for Indoor Air Quality. This classification has been awarded by [Eurofins product testing](#) and ensures that both our factory production and products themselves have low product emissions.

This is a sign of danfloor’s focus on quality and contribution to a healthy indoor environment.

Are there measures we could take to make a product last longer?

Having the correct cleaning and maintenance schedule in place from day one will prolong the life of your carpet and could increase the time between replacements. Please refer to our comprehensive [cleaning and maintenance guide](#) which takes you through all our recommendations

In addition, having the correct entrance matting system in place at entry points will also help minimise tracked in dirt from the outside and can help to prolong the life of all flooring types.

Can the product be recycled and do you carry out this service?

Technically carpets can be recycled however for our product range this is a process that requires further investigation before we can offer it as a service.

Due to the way our carpets are manufactured and the special features we include, often the process of breaking down the components parts of the carpet is more difficult, consumes more energy and may not involve very environmental processes.

For example, our impervious backing, which protects your internal environments from cross contamination and odours issues and provides a backing that aids with heat insulation and reduces energy consumption, can be difficult to separate from the top cloth and is a process which requires more investigation.

Having said that we are continually looking into ways in which we can support a fully circular life cycle for our products. We are about to begin Environmental Profiles (EPD'S) on a number of our core products so we can effectively analyse our processes in more detail and highlight areas for improvement.

Are there other products we could use that are more sustainable?

The products we supply which incorporate the ECONYL yarn obviously have a very strong environmental background and make a strong environmental statement. We would therefore say that these are the most sustainable products within our range.

