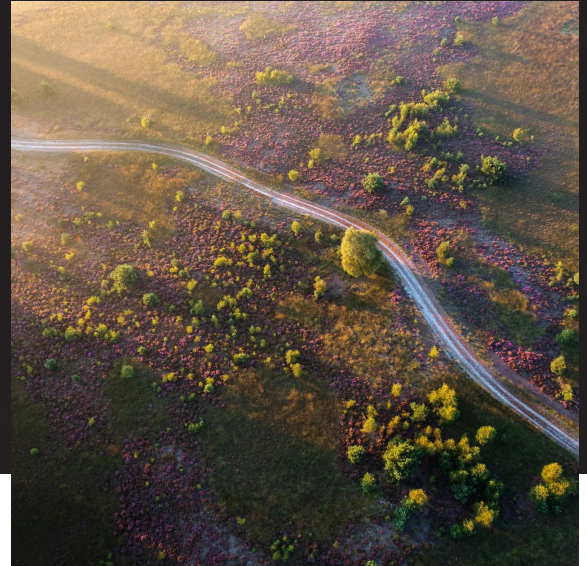


The sustainability initiatives of Tapibel



Tapibel has been producing high-quality carpets for more than 50 years. We are committed to our planet and consider sustainability to be of paramount importance. These are not empty words. We make this promise a reality with concrete **ecological solutions for a more sustainable modus operandi.**

Our sustainability labels

Twise

Tapibel's sustainability label

Why Twise?

1. Tapibel is "wise" to produce greener carpets
2. All sustainable solutions contain recyclable material.

We give it a second (and third, fourth, ...) life.



ECONYL® yarn is made of **100% renewable Polyamide 6 or nylon**. This means that you can make and buy new products without using new raw materials. Polyamide 6 has exactly the same properties as ordinary nylon with a more sustainable edge. At Tapibel 25% of the yarns we use in production are ECONYL®.

Our partner

The ECONYL® yarn is produced by our Italian partner **Aquafil**. Aquafil's core business is the production of yarns for textile floor coverings. Today, the group is the leading producer in Europe and the second largest in the sector. Approximately 60% of our Aquafil consumption is ECONYL®. ECONYL® also contributes to a smaller ecological footprint. Compared to virgin yarns, the CO2 emissions of ECONYL® are reduced by 90%.

The materials

ECONYL® yarns are made from various materials that would otherwise end up in landfills.



Old carpets

Aquafil has two carpet recycling plants, each of which can process up to 36 million kilos of carpet per year and split old carpet into three main components: polypropylene (PP), Nylon 6 and calcium carbonate.



Fishing nets

Aquafil uses two types of nets in its ECONYL® yarn:

1. Nets from the oceans saved by volunteer divers.
2. Nets from aquaculture and the fishing industry.



Take back projects

Thanks to various partnerships with brands around the world, Aquafil can collect large quantities of waste for regeneration into ECONYL®. Gucci and Speedo, among others, participate in the take-back projects.



Pre-consumer waste

Waste from industrial processes, such as plastic parts, industrial waste and textile residues. The waste is collected after production but before it reaches the end consumer. Think of cutting losses during the production of textiles or (plastic) packaging.

The regeneration process

Discover the process from fishing net to thread.

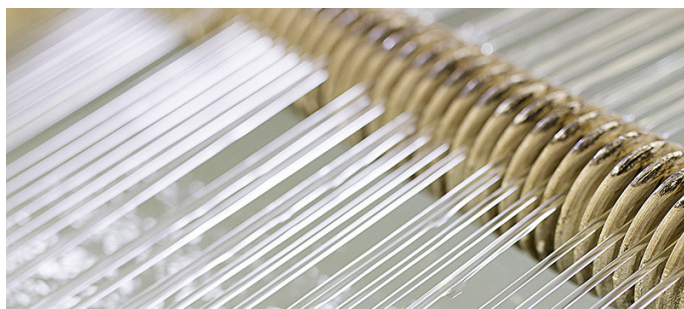
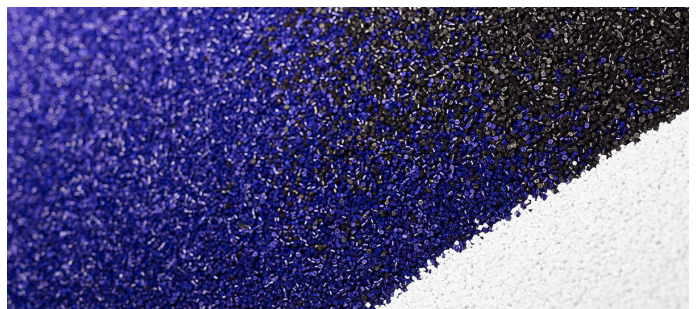


1. Rescue

We collect waste (fishing nets, dust scraps, old carpets, etc.). The materials are cleaned and sorted.

2. Regenerate

After a thorough regeneration and purification process the nylon waste is returned to its original state. The raw material now consists of pellets and dispersions.



3. Remake

ECONYL® regenerated nylon is processed into yarns and textile.

4. Reimagine

With this new yarn, manufacturers such as Tapibel can get to work. We create new ECONYL® carpet collections.



For the production of 10,000 tonnes of ECONYL® material:



Saved

70,000 barrels of oil



Avoided

65,100 tonnes of CO2 emissions

Ecofuse

the adhesive compound



Ecofuse is an ecological alternative to the latex adhesive compound in broadloom and carpet tiles. We replace the latex in the compound with PVB (PolyVinyl Butyral).

Our partner

Shark Solutions produces the PVB dispersions and pellets and supplies the material to Tapibel. Shark Solutions is the world market leader in the field of cleantech and is headquartered in Denmark. Their core business? Giving new life to post-consumer PVB from car windows and building glass.

The advantages of PVB



of sustainable origin

In the PVB production process, we re-use laminated glass that would otherwise end up in landfill.



non-toxic

PVB contains no chlorine or phthalates.



futureproof

PVB meets the industry's future standards.



supported by consumers

PVB products are supported by consumer trends towards more sustainable products.



By switching to PVB, we reduce 500 tonnes of latex on average.



The production process of PVB



1.
Collect material (car windows
and building glass).



2.
Recycling the glass.



3.
Separating the PVB from the
glass.



4.
Cleaning the PVB.



5.
making dispersions and pellets.



6.
Making new applications.

**Curious to know more about the complete PVB production process?
Find out in our video.**



Scan
here!



Ecofuse in our carpets

At Tapibel, we use Ecofuse in many of our carpets. Both in broadloom and in carpet tile.

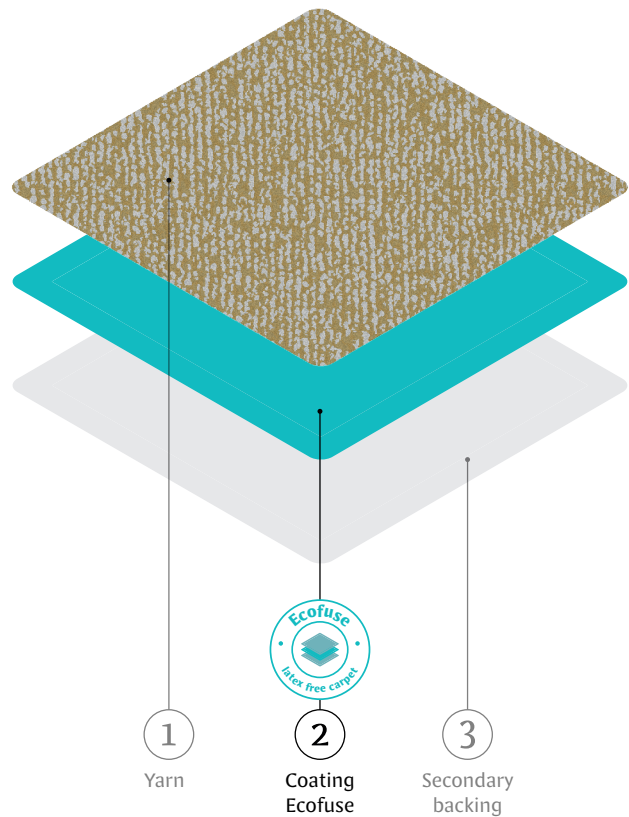
Broadloom

The precoat

The layer between the yarns and the backing of the carpet. The precoat ensures that the yarns adhere firmly.

The secondary carpet backing

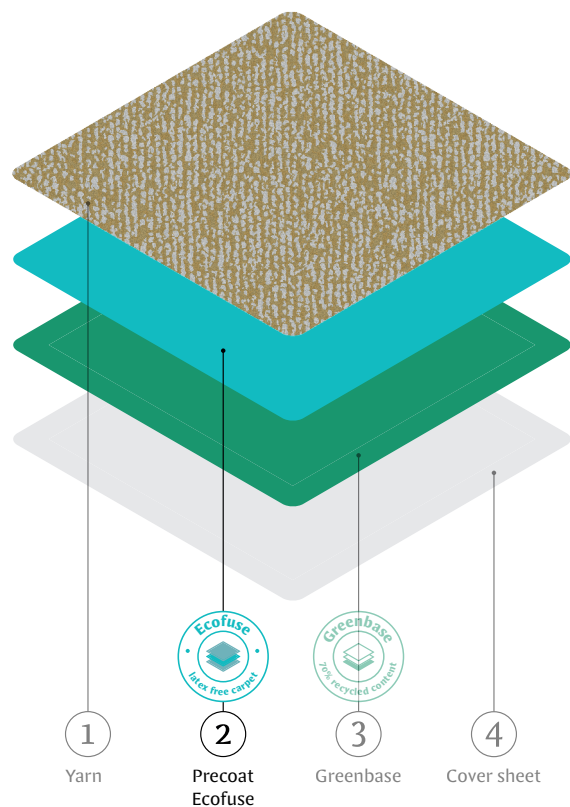
The lower layer and backing of the carpet. Ecofuse is added between the yarns and the carpet backing as an adhesive compound. The backing ensures that the carpet retains its shape



Carpet tile

The precoat

The layer between the yarns and the backing of the carpet. The precoat ensures that the yarns stick together.



Greenbase

the modified bitumen backing

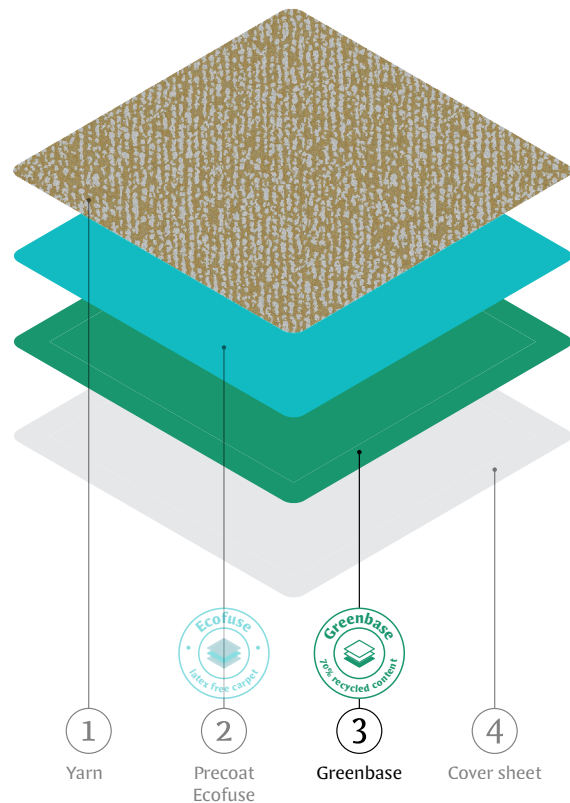


Greenbase is a more sustainable alternative for the general carpet tile backing. In this more sustainable variant, the chalk in the modified bitumen is made from 70% recycled material. This makes it less harmful to the planet.

Greenbase in our tiles

The carpet backing

The carpet backing is literally the back of the carpet. Greenbase forms the basis. A cover sheet completes the construction. Thanks to the sturdy backing, the carpet tile retains its shape. The modified bitumen is also known for its excellent acoustic properties. Thus, the tiles are not only durable but also raise the level of comfort to a higher level.





Other sustainability initiatives

In addition to the labels and more sustainable production methods, we are also working on sustainability in the company itself.



a large solar panel park on the roof

The 2500 solar panels generate 500 mW/year which represents 35% of our total electricity consumption.



electric charging stations in the car park

We encourage employees and visitors to drive electric. The charging stations in the car park are a boost.



simultaneous dispatch of samples and orders

We keep polluting transports to a minimum by sending as many orders as possible at the same time.



ecological packaging for our carpets

We pack our carpets in recyclable cardboard boxes.



a heat pump for the offices

The heat pump is powered by the solar panels and extracts heat and cold from the constant temperature of the ground. 9000 metres of ducts filled with water in underfloor heating and a climate ceiling ensure a pleasant temperature.

Would you like to know more about our sustainable initiatives? Contact us:

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