

## News Release

### Up to 61% reduction in CO2 emissions! **ECONYL (R) recycled yarn made from fishing nets, old carpets and other nylon waste** **"NT double eco" is newly launched on November 4.**

Sangetsu Corporation (Headquarters: Nagoya City, Aichi Prefecture; President and CEO: Shosuke Yasuda) will release the environmentally friendly carpet tile "NT double eco" on November 4. This product contributes to the reduction of environmental burdens by using double eco-friendly materials for both the surface pile and the backing material.

For the pile, we use "ECONYL(R)", 100% recycled yarn made from fishing nets and carpet waste, industrial waste, plastic components, etc., and for the backing material, we use "recycled backing" made from used carpet tile waste. This reduces the use of the product by up to approximately 61%. In addition, the ratio of the proportion of the raw material to the total amount of the product is a maximum of 49%. In addition, we have newly acquired an environmental label "EcoLeaf", a third-party certification for environmental performance.

Despite being an environmentally friendly product, the price is 7,400 to 7,600 yen per square meter, which is the same as the price of conventional products, in order to promote market penetration and to achieve a "decarbonized society," "recycling-oriented society," and "longer product life. \*Based on comparison with our conventional post-dyed products



Example of office construction: NT-70601・70603・71303



Old fishing nets (waste)



Old carpets (waste)



**pile**  
(ECONYL(R) nylon)

**backing**  
(Recycled PVC)

#### <Product Development Background>

In Japan, the construction industry is accelerating its efforts to reduce environmental burdens toward the goal of becoming carbon neutral by 2050, and companies are becoming more aware of the need to reduce CO2 emissions. In the effort for environmental measures through buildings, products are selected not only for use after construction, but also from the design stage with an emphasis on CO2 reduction values.

In response to this demand for low-carbon building materials, we have taken a new perspective in product development toward the realization of a sustainable society, resulting in the creation of "NT double eco."

Through the development of environmentally friendly products, the Sangetsu Group will contribute to the realization of a "sustainable society" as stated in its long-term vision.

## Features of "NT double eco"

1. 100% recycled yarn "ECONYL(R)" made from old fishing nets, old carpets, industrial waste is used.
2. Use of "recycled backing" made from carpet tile waste
3. Newly acquired "EcoLeaf" third-party certified environmental label

### 1. 100% recycled yarn "ECONYL(R)" made from old fishing nets, old carpets, industrial waste is used.

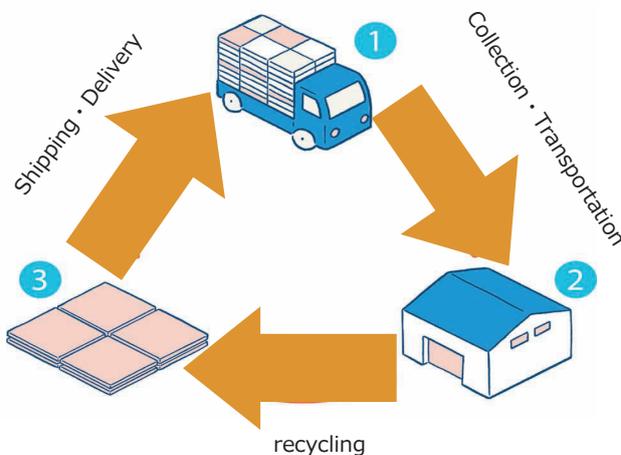
"NT double eco" reduces CO2 emissions by up to 61% by using 100% recycled yarn "ECONYL(R)" for the surface pile. ECONYL(R) is a yarn produced by Aquafil from fishing nets, industrial carpets, plastics, etc., and is made from 100% waste materials. "NT double eco" carpet tile made of ECONYL(R) contributes to the realization of a decarbonized society through the reduction of CO2 emissions as well as the reduction of marine plastic pollution.



100% recycled yarn "ECONYL(R)"

### 2. Use of "Recycled Backing" made from recycled carpet tile waste

"NT double eco" achieves a maximum ratio of 49% by using a recycled sheet made from used carpet tiles as a backing material. We contribute to the realization of a recycling-oriented society through our environmentally friendly products with a high ratio of proportionally recycled materials.



#### Circulation System for Recycled Backing

- (1) Collect used carpet tiles
- (2) Manufacture of recycled backing sheets using raw materials derived from waste carpet tiles
- (3) Finished carpet tiles using recycled backing sheets

\*Recycled backing is limited to certain products.

### 3. Newly acquired "EcoLeaf" third-party certified environmental label

"NT double eco" has newly acquired "EcoLeaf" environmental label, a third-party certification. In "EcoLeaf", the LCA (Life Cycle Assessment) method is used, and the company is required to disclose the environmental load information considering the entire life cycle of the product quantitatively by itself. By objectively displaying the environmental load of products, we can make more reliable proposals to the market.

#### "EcoLeaf" environmental label



This is an environmental label operated and managed by Japan Sustainable Management Promotion Organization, a Japanese-born company that uses LCA (Life Cycle Assessment) method to quantitatively display environmental information considering the entire product life cycle from resource extraction and manufacturing to disposal and recycling. It conforms to the international standard and Type III environmental label (ISO14025) defined by ISO.

• EcoLeaf Environmental Label Program <https://ecoleaf-label.jp/english/>

## Employee volunteer activities to protect the sea in conjunction with the launch of "NT double eco"



Employees volunteer to collect large amounts of trash, including fishing nets and plastic

On October 23, as a social contribution activity linked to the launch of "NT double eco", a cleanup activity was held at Nishinoguchi Beach in Tokoname City, Aichi Prefecture, in cooperation with "The Sandy Beach Movement" of The Nature Conservation Society of Japan.

We are committed to continuous participation in the community with the main objective of "each and every employee serving society autonomously and by their own sweat through our business" in order to contribute to the creation of an affluent society.

We will continue to develop activities to realize a sustainable society.

- The Nature Conservation Society of Japan  
The Sandy Beach Movement *\*Japanese only*  
[https://www.nacsj.or.jp/sunahama\\_movement/](https://www.nacsj.or.jp/sunahama_movement/)

## Sangetsu Group's Long-Term Vision [DESIGN 2030]

[https://www.sangetsu.co.jp/english/ir/management/medium\\_term\\_plan.html](https://www.sangetsu.co.jp/english/ir/management/medium_term_plan.html)

### Social Values Sangetsu Group Aims to Realize

Sangetsu Group aims to contribute to the realization of a society that is:

#### Inclusive

An equal and healthy inclusive society

#### Sustainable

A sustainable society that protects the global environment

#### Enjoyable

A more affluent and enjoyable society



### "NT double eco 2021-2023" Carpet Tile Catalog

Publication date: November 4, 2021

Number of items: 10 patterns 73 items

Material: Original nylon / BCF nylon

*\*The NT700 and NT350 carpet tile opinion books will also be published on the same day.*

The catalog is available to design firms, construction companies, building contractors, remodeling contractors, and others. The catalog will also be available in the "Digital Catalog" at the same time as it is published.

[Inquiries regarding this matter]

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