
FIRST FORWARD

1. Recycled Content

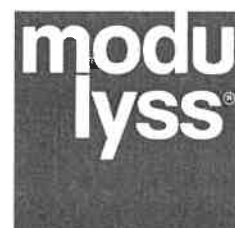
- a. 51% Overall recycled content
- b. Yarn
 - 100% PA6 Solution Dyed Nylon
- c. Secondary Backing – back2back
 - The waste from the tile cutting process is shredded and added to the secondary backing, giving it a 10% post-industrial recycled content.
- d. Recycled limestone in the backing
 - The filler used for the production of our carpet tiles is 100% post-industrial recycled, diverted from a waste stream of the limestone mining.

2. Manufacturing

- a. Renewable energy
 - 49% of our energy consumption is electricity. The electricity that we use at modulyss is 100% 'green electricity' generated from renewable resources such as our own solar panels.
- b. Production site & process
 - modulyss runs an integrated production chain: from tufting to the packaging of the finished tile.
 - ISO certification
 - Our production site is **ISO-9001** certified (Quality Management) since 2000 and **ISO-14001** certified (Environmental Management) since 2009.
 - modulyss also works in accordance with **ISO26000** and publishes a Corporate Social Responsibility report in line with the guidelines of the Global Reporting Initiative (GRI), the international standard for sustainability reporting, and the UN's Sustainable Development Goals (SDGs).
 - Recycling raw yarns
 - All the left over and waste yarns are collected and recycled into new yarns.
 - Ecological Packaging
 - We only use cardboard boxes that are made of 100% recycled material.
- c. Sustainability report
 - Read all about our approach to the environment in our sustainability report 2016: <http://www.modulyss.com/ebook/mvo/>

3. Installation

- a. Adhesive
 - modulyss® advises to use a solvent-free, easy release system with very low emissions.
- b. 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 till +/- 10%. More information can be found in our installation instructions.



modulyss®
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B 9240 Zele

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info@modulyss.com
www.modulyss.com

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 as raw material for the backing of new carpet tiles in our back2back program.

c. CARE

Partnership modulyss®/Vanheede Environment Group in which carpet tiles are converted into secondary fuel to reduce CO₂ emissions significantly. The minerals are extracted from the carpet tiles and recycled into raw material for the cement production industry, which results in ± 50% recycling of our carpet tiles.

5. Voc's & Chemical Substances

This product fulfills the testing criteria for emissions of:

a. CRI (US and international)

Carpet & Rug Institute

Compliant to the requirements of Green Label Plus, GLP 1100 (see LEED®, point 6.b)

b. GUT (DE)

Gemeinschaft Umweltfreundlicher Teppichboden

TVOC₂₈ < 100 µg/m³

This product meets the GUT-criteria, GUT-license number is in request. These criteria include VOC thresholds, odour and chemical substances.

c. REACH (EU)

modulyss® complies with the strict European REACH standards.

d. M1 (FI)

This certificate is granted by the Building Information Foundation RTS sr. The aim of the classification is to enhance the development and the use of low-emitting building materials to create a healthy indoor environment.

6. Environmental Product Declaration (EPD)

An EPD is a standardized way to provide information on the environmental impact of a product during the entire life.

They include information on the environmental impact of raw material extraction and production, energy use and efficiency, content of materials and chemical substances, emissions to air, soil and water and waste generation. A product-specific EPD in accordance with the ISO14025 and EN15804, is available for this product.

The EPD-declaration-number is EPD-MOD-20170077-CBC1-EN.

7. Compliance to Green Building Certifications

a. BRE Global (UK)

Building Research Establishment

This product can contribute towards credits in:

Hea 02 – Indoor Air Quality

To recognise and encourage a healthy internal environment through the specification and installation of appropriate ventilation, equipment and finishes.

- Use of a low-emission adhesive on installation (BN EN 13999-1:2007) can contribute to this credit.
- modulyss® carpet tiles meet the requirements of EN14041, including E1 classification for formaldehyde emissions, and can contribute to the credit for a healthy indoor air quality.

Hea 05 – Acoustic performance

To ensure the buildings' acoustic performance including sound insulation meet the appropriate standards for its purpose. This product is highly sound-absorbent. It reduces contact noise by 26 decibels (ΔL_w - ISO 10140) and has an absorption coefficient of 0.15 (ISO 354).



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MAT 5 – Designing for Robustness

To recognise and encourage adequate protection of exposed elements of the building and landscape, therefore minimising the frequency of replacement and maximising materials optimisation. This product satisfies the requirements of EN1307 classification, class 33 - LC1 for intensive use in a contract environment.

WST 01 – Construction Waste Management

To promote resource efficiency via the effective management and reduction of construction waste. This product can contribute to waste reduction on site. See item 3, installation, for more details. Concerns cutting waste on installation of carpet tiles.

b. LEED (US and international)

Leadership in Energy and Environmental Design

modulyss products can contribute to the following LEED v4 credits:

- MR credit: Interiors Life-Cycle Impact Reduction
 MR credit: Building product disclosure and optimization - Environmental Product Declarations
 MR credit: Building product disclosure and optimization - Sourcing of raw materials
 MR4 Post-Industrial recycled content: 51%
 MR4 Post-Consumer recycled content: 0%
 MR credit: Building product disclosure and optimisation - Material ingredients
 MR credit: Construction and demolition waste management
- EQ credit: Low emitting materials
 EQ credit: Indoor air quality assesment
 EQ credit: Acoustic performance.

Products are not reviewed under LEED, LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products of brands. For more information on LEED, visit www.usgbc.org/contact

c. HQE (FR)

Haute Qualité Environnementale

In 2005 modulyss® was awarded the HQE certificate by FDES in accordance with NF P01 010. This product can contribute to eight of the 13 HQE targets as follows:

Eco-Construction	MOQUETTES FDES
Integrated choice of products and construction materials	T2
Low site nuisance	T3
Comfort	MOQUETTES FDES
Hygrothermal comfort	T8
Acoustic comfort	T9
Visual comfort	T10
No unpleasant smells	T11
Health	MOQUETTES FDES
Sanitary quality of areas	T12
Sanitary air quality	T13



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8. Health & Comfort

a. Solvent-free Bitume

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

b. No heavy metals

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

c. Odour

modulyss® carpet tiles are free from odours (see GUT certification program)

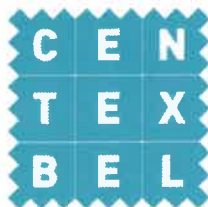
d. Acoustics

This product is strongly sound absorbent. It reduces the contact noise by 26 decibels (ΔL_w - ISO 10140), with a perfect acoustic effect as result.



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CERTIFICATE OF CONSTANCY OF PERFORMANCE

0493 - CPR - 0022

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Tufted carpet tiles-FR, 100% polyamide, Bitumen backing

Total mass: 4250g/m² - 5150g/m²

Effective pile thickness: 1mm - 9,5mm

Loose laid on a non-combustible substrate* according to EN 13501-1



*End use substrates of classes A1 or A2-s1,d0 (ISO 13238:2010 § 5.2.2)

produced by or for

MODULYSS NV

Zevensterrestraat 21

9240 Zele

België

and produced in the manufacturing plant(s)

MODULYSS NV

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 14041:2004/AC:2006

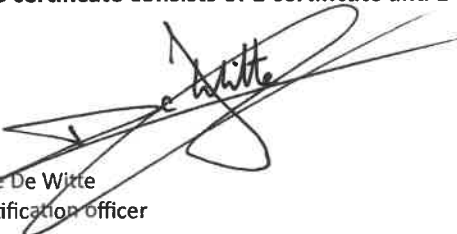
under **system 1** are applied and that

the product(s) fulfil(s) all the prescribed requirements set out above.

This certificate was first issued on **June 16th, 2006** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly and latest on **February 28th, 2024**.

This certificate has been drawn up in accordance with the general certification regulation of Centexbel which is available via <https://www.centexbel.be>

This certificate consists of 1 certificate and 1 annex


Inge De Witte
certification officer

Zwijnaarde, February 22th, 2021



Annex of

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0493 - CPR - 0022

Tufted carpet tiles-FR, 100% polyamide, Bitumen backing

Related commercial names to this product group are:

- | | | |
|--------------------------------------|----------------------|--------------------------------|
| • Affinity | • First Blocks | • Motion |
| • Alpha | • First Decode | • On - Line 1 |
| • Alternative 100 | • First Define | • On - Line 2 |
| • Base | • First Forward | • Opposite |
| • Base Lines | • First Lines | • Opposite Lines |
| • Black & | • First Radiant | • Patchwork |
| • Cambridge | • First Straightline | • Pattern |
| • Circuit / Matrix / Scratch / Space | • First Streamline | • Perpetual |
| • Cube | • First Stripes | • Pixel |
| • Dawn / Dusk | • First Waves | • Pure Air 100 |
| • DSGN Absolute | • Frame | • Race / Swift / Speed / Rusch |
| • DSGN Cloud | • Gleam | • Rocket |
| • DSGN Track | • Grind | • Shine -up |
| • DSGN Tweed | • In Groove | • Spark |
| • E Force SQR | • Leaf | • Step |
| • E Major SQR | • Line-up | • Uni |
| • E Touch SQR | • Metallic | • Unique |
| • Eco 100 C | • Millennium 100 | • Velvet& / Fluid& |
| • Evolve SQR | • Millennium MXTURE | • Vision |
| • Fashion& | • Millennium NXTGEN | • Wall |
| • First | • Millennium TXTURE | • Willow |
| • First Absolute | • Moss | |

The obtained classification is based on the next test reports:

- | | |
|----------------------------------------|----------------------------------------|
| • CRET: RL 2016/319 dd 2016/06/16 | • CRET: RL 2017/030 dd 2017/02/07 |
| • CRET: RL 2016/320 dd 2016/06/16 | • CRET: RL 2017/166-2 dd 2017/03/30 |
| • CRET: RL 2016/323 dd 2016/06/16 | • CRET: RL 2017/856 3-4 dd 2017/12/08 |
| • CRET: RL 2016/327 dd 2016/06/22 | • CRET: RL 2018/396-3 dd 2018/06/22 |
| • CRET: RL 2016/654-1 dd 2016/11/07 | • Centexbel: 19.06564.01 dd 2019/12/12 |
| • CRET: RL 2016/762 dd 2016/12/29 | • Centexbel: 19.06659.01 dd 2019/12/19 |
| • Centexbel: 16.06664.01 dd 2017/01/05 | • Centexbel: 20.07569.01 dd 2021/01/22 |
| • CRET: RL 2016/772 dd 2017/01/06 | |

This certificate consists of 1 certificate and 1 annex



GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM
THIS CERTIFIES THAT

Modulyss®

Address: Zevensterstraat 21 9240 Zele,
Belgium

HAS MET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S
GREEN LABEL PLUS PROGRAM FOR CATEGORY:

15X Pre-dyed Nylon with Bitumen Backing

Private Office Range of Total VOCs:
0.5 mg/m³ or less

School Classroom Range of Total VOCs:
0.5 mg/m³ or less

Product Type: Modular Tile

Description: ----- "Predyed Nylon with Back2back or comfortBack" -----

Alpha, Cube, Dawn, Dusk, DSGN Cloud, DSGN Track, DSGN Tweed, First, First Stripes, First Absolute, First Blocks, First Forward, First Lines, First Radiant, First Streamline, First Straightline, First Waves, Frame, In-Groove, Leaf, Millennium Nxtgen, Moss, Motion, Mxture, Opposite, PureAir 100, Txture, Vision, Wall, Willow, Rocket, DSGN Absolute, First Decode, First Define, Blaze, Black &, Eco 100C, Grind, Line-Up, Millennium 100, Shine-Up, Opposite Lines, Cobbles, Dune, Meadow, Polder, e-Force

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: December 13, 2013
Expiration Date: December 31, 2023

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.



GLP1100

This product complies with
California DPH Section 01350
Version 1.2

A USGBC® recognized third
party certification program
for LEED v4.1 EQ Credit
Low-Emitting Materials.

