



# Bruut

## Sustainability data sheet

Made in Belgium from 100% regenerated nylon, the Imperfection collection complies with all requirements of EN1307: Textile Floorcoverings classification.

Manufacturing location:	IVC Group, Moeskroen, Belgium
Site accreditations:	ISO 14001; ISO 9001

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### 1. Recycled Content

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a. Overall recycled content:	59,5 % post & Pre-Consumer waste
b. Pile material:	100% ECONYL® regenerated nylon
c. Recycled content yarn:	100%
e. Secondary backing:	EcoFlex™ Echo
f. Recycled limestone in the backing:	94% recycled PES Felt

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### 2. Manufacturing

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a. Renewable energy:	- Through our windmill, solar operations and selective energy sourcing, IVC aims to achieve 100% renewable energy for all our processes and transportation activities.
b. Production site & process:	- The entire product from tuft to finished carpet tile is made on the same manufacturing site. - Our manufacturing site is ISO14001 and ISO 9001 certified. - All surplus and waste yarns are collected and recycled. - We only use cardboard made from 100% recycled material.
c. Sustainability White Paper:	- Read about our sustainability journey and our future objectives for the future in our sustainability white paper: <a href="http://www.ivc-commercial.com/en/meet-ivc/smartsustainability">www.ivc-commercial.com/en/meet-ivc/smartsustainability</a>

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### 3. End of life

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a. Re-use:	End of life carpet tiles can be re-used, after cleaning, in non-critical areas, to extend the product life.
b. Recover:	At end of life carpet tiles can be recycled into new raw materials and secondary fuel.

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### 4. Carbon Footprint

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a. EPD declaration number:	EPD-IVC-20220245-CBB1-EN
b. Embodied Carbon:	4,60 kg CO <sub>2</sub> Eq.

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### 5. Emissions and Chemical Substances

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a. GUT:	The product meets the GUT-criteria These criteria include VOC thresholds, odour and chemical substances.
b. REACH:	IVC Commercial carpet tiles comply with the European REACH standard.

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### 6. Health & Wellbeing

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| a. Acoustics:       | Bruut will strongly support the end user with improved acoustic ratings. Reducing the impact sound reduction with 31dB ( $\Delta L_w$ - ISO 10140) and increasing the sound absorption with 0,30 $\alpha_w$ (EN ISO 354). |
| b. Comfort:         | Bruut allows for 23,8% of shock absorption according to the Artificial Athlete (EN 14808).  |
| c. Odour            | IVC Commercial carpet tiles are free from odours (see GUT certificate).   |
| d. No heavy metals: | IVC Commercial carpet tiles are free of heavy metals and other harmful substances, such as lead, mercury or chromium.   |

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### 7. Installation

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| a. Adhesive: | IVC Commercial advises to a use solvent-free, easy release system with very low emissions. |
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### 8. Contribution to Green Building Schemes

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IVC Carpet Tiles can contribute towards credits / points of Green Building Schemes. Contact your IVC Commercial Project Advisor to discuss details on this, in relation to the below schemes:

a. BREEAM (UK):

Man 02: Life cycle cost and service life planning  
Man 03: Responsible construction practices  
Man 04: Commissioning and handover  
Hea 02: Indoor air quality  
Hea 04: Thermal comfort  
Hea 05: Acoustic Performance  
Ene 01: Reduction of energy use and carbon emissions  
Mat 01: Life cycle impacts  
Mat 03: Responsible sourcing of construction products  
Mat 05: Designing for durability and resilience  
Wst 04: Speculative finishes  
Wst 06: Functional adaptability

b. LEED v4 (Int.):

EA credit: Optimize energy performance  
MR credit: Building life-cycle impact reduction  
MR credit: Building product disclosure and optimisation - Environmental Product Declarations  
MR credit: Building product disclosure and optimisation - Sourcing of raw materials  
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 assessment  
EQ credit: Acoustic performance



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### c. WELL (Int.):

A05 credit: Enhanced Air Quality  
W07 credit: Moisture management  
T01 credit: Thermal performance  
T02 credit: Enhanced thermal performance  
T03 credit: Radiant thermal comfort  
S01 credit: Sound mapping  
S02 credit: Maximum noise levels  
S04 credit: Sound absorption  
S05 credit: Sound masking  
S06 credit: Impact noise management  
X01 credit: Fundamental material precautions  
X09 credit: Cleaning products and protocol  
X10 credit: Volatile compound reduction  
X11 credit: Long-term emission control  
X12 credit: Short-term emission control  
X13 credit: Enhanced material precaution  
X14 credit: Material transparency  
M02 credit: Access to nature  
M07 credit: Restorative spaces  
C14 credit: Bathroom accommodations  
I05 credit: Green building rating system

### d. DGNB (Int.)

ENV1.1: Building life cycle assessment (LCA)  
ENV1.2: Local environmental impact  
ENV1.3: Sustainable resource extraction  
ECO1.1: Life cycle cost (LCC)  
SOC1.2: Indoor air quality (IAQ)  
SOC1.3: Acoustic comfort  
TEC1.2: Sound insulation  
TEC1.5: Ease of cleaning building components  
TEC1.6: Ease of recovery and recycling  
PRO1.5: Documentation for sustainable management