

AMTICO
BIO

amtico bio

Lower carbon LVT

amtico
flooring

Making flooring fit for the future

A reduced carbon footprint, without compromising on quality.



61%
Signature
Bio-Attributed
Content

DC558 & Cornish Oak Stripwood

Reducing our impact starts with the products we make.

Which is why we're proud to introduce Amtico Bio, our first bio-attributed LVT flooring.

Made using renewable biomass for a lower carbon footprint. With the same great designs and quality you'd expect from Amtico.

28%

Up to 28% reduction in cradle to gate embodied carbon emissions



Using renewable materials instead of fossil fuels

We use carefully selected and audited sources of biomass to create the renewable ethylene that goes into our bio-attributed PVC.

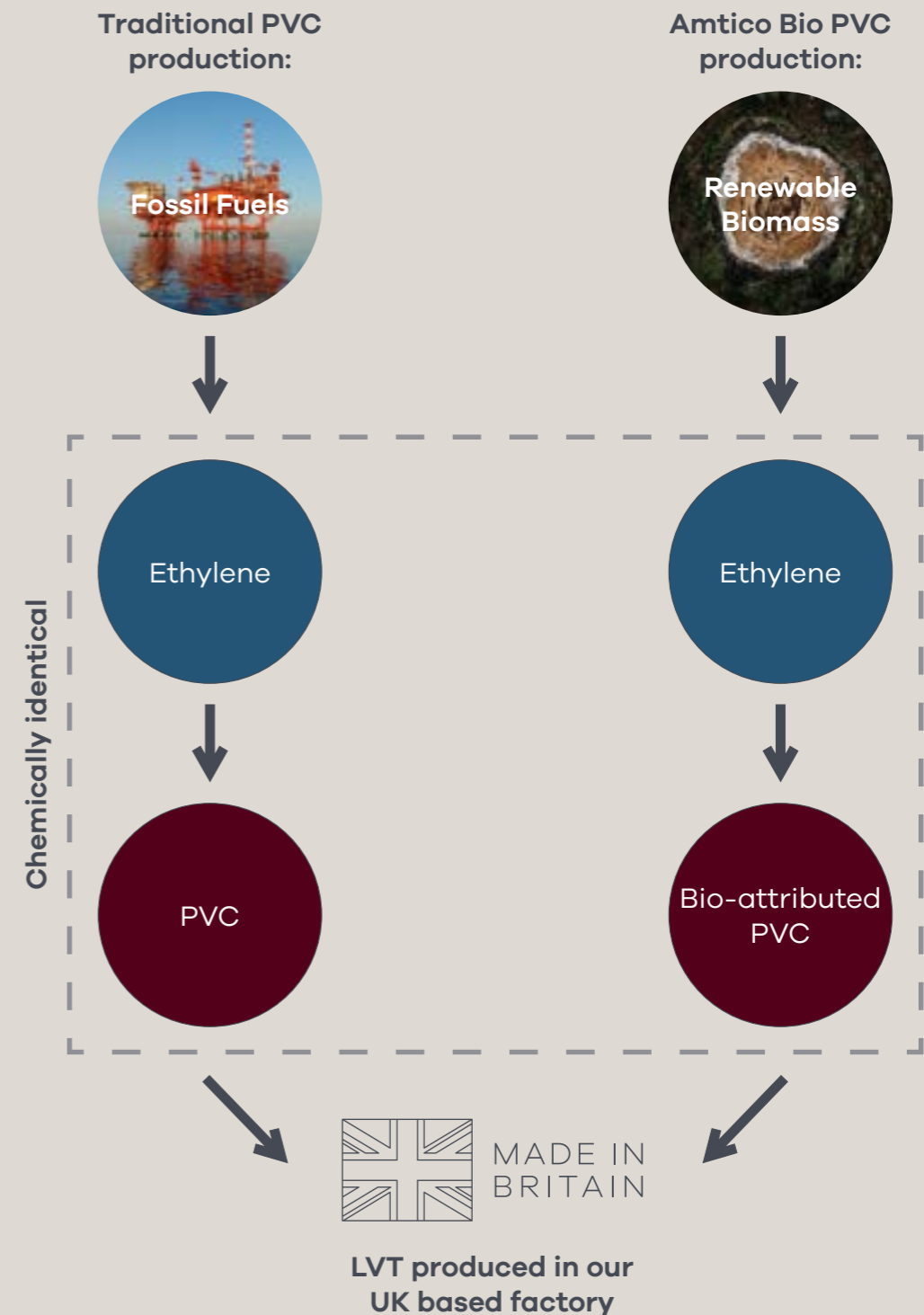
Non-food biomass is a renewable organic material that originates from sources such as perennial grass and fast-growing trees. When trees of this kind are used in the paper pulping industry, one of the by-products is Crude Tall Oil (CTO) which can be processed into many useful carbon-based chemicals, including ethylene, which is used in the production of bio-attributed PVC.

Used Cooking Oil (UCO) is another waste product that is a source of renewable ethylene. Ethylene from UCO contains no impurities and performs in the same way as ethylene from CTO or traditional fossil fuel derived sources.

In both instances, the biomass-derived ethylene is combined with fossil fuel derived ethylene in a single manufacturing process, using mass balance principles, to produce the chemically identical PVC resin Amtico uses to make its LVT flooring.

Specifying Amtico Bio reduces the embodied carbon of Amtico LVT by between 20 to 28%*, whilst still offering the same performance and finish.*

*Varies by range, see page 14 for more details



Not all biomass is the same

All our biomass sources are by-products of other production processes e.g. trees are not cut down specifically to source Crude Tall Oil for ethylene. This shouldn't be confused with other processes like the production of wood pellets where trees are cut down specifically to create pellets to burn for energy production.

Similarly, processing used cooking oils (UCO) to create ethylene and other useful chemicals, actually improves recycling and circularity as traditionally this oil would have been landfilled or disposed of in environmentally damaging ways. As the oil is already used in cooking, this also does not compete with food production.



A balanced approach to sustainability

Stage 1

We know exactly how much PVC goes into each of Amtico's product ranges



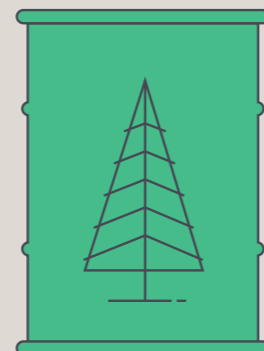
Stage 2

We source the required amount of bio-attributed PVC to account for 100% of the PVC content for orders specified as Amtico Bio



Stage 3

The PVC resin manufacturer will have consumed renewable bio-ethylene to make this exact amount of PVC, fully replacing the traditional fossil fuel derived ethylene



Mass balance principles

Our bio-attributed LVT is carefully managed using the mass balance principle.

Introducing bio-attributed PVC this way allows us to incorporate renewable raw materials into our existing manufacturing process, rather than creating a whole new manufacturing plant, keeping costs manageable for you and us.

How does Mass Balance work?

When you specify one of our collections as Amtico Bio, we simply source the required amount of bio-attributed PVC that would be needed to make that floor.

Green energy is also supplied using mass balance principles - some energy can be sold as 'green' as it has been generated by certified renewable sources, but is delivered via the same grid as fossil fuel derived energy.

All the materials that go into our LVT manufacturing process are carefully tracked, measured and independently audited to achieve ISCC PLUS certification.

So we can be sure that when you specify Amtico Bio, you're supporting the switch away from fossil fuels, towards more sustainable, renewable raw materials.



Watch the film to learn more about the process: www.amtico.com/commercial/bio

Tracked, traced and managed

To ensure total transparency and peace of mind for customers, Amtico has been certified to offer bio-attributed LVT by the International Sustainability and Carbon Certification body (ISCC).

The ISCC chain-of-custody certification guarantees that every element along the supply chain is ISCC Plus certified. This assures that all ISCC requirements have been met and any sustainability claims made by us and other manufacturers at the end of the supply chain are credible and trustworthy.

All customers purchasing Amtico Bio will receive a sustainability declaration to guarantee that Amtico has purchased bio-attributed PVC derived from renewable biomass and have followed the auditing process.



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE100-12801124
 SGS Germany GmbH
 Europa Allee 12, D-49685 Emstek
 certifies that

The Amtico Company Limited t/a Amtico International

Kingfield Road 2303730
 CV6 5AA Coventry
 UNITED KINGDOM

complies with the requirements of the certification system

ISCC PLUS

(International Sustainability and Carbon Certification)



Place of the audit:
 see above

This certificate is valid from 11/10/2024 to 10/10/2025

The site of the system user is certified as:
 converter

The scope of the certificate includes the following chain of custody options:
 mass balance

Emstek, 11/10/2024
 Place and date of issue


 SGS Germany GmbH
 Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.
 Version / Date: 1 (no adjustments) / 11/10/2024



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Specify Amtico Bio



Amtico Bio can be specified across planks and tiles in our Amtico Signature, Form, Spacia and Marine collections. The bio-attributed content varies across the collections. Please see the technical specs for more information.

You can be sure when you choose Amtico Bio, you're contributing to a more sustainable future for luxury vinyl flooring.



Embodied Carbon (Cradle to Gate) Emissions Savings

Embodied carbon (cradle to gate) refers to the total greenhouse gas (GHG) emissions associated with the raw materials, transport and manufacturing processes of the product, up until the point it is manufactured and ready to ship to customers. This includes emissions from:

- Extraction of raw materials
- Transportation of materials
- Manufacturing processes

The value for embodied carbon is determined by adding the A1-A3 Product Stage emissions from the life cycle analysis (LCA).

Embodied carbon emissions values within this document for standard Amtico products are taken from the LCA sections within the Environmental Product Declarations (EPDs), which have been verified and approved by the Buildings Research Establishment (BRE) in 2024.

Embodied carbon emissions values within this document for Amtico Bio versions are taken from LCAs conducted alongside the 2024 EPDs, using the exact same LINA software and methodology. These LCAs cannot be incorporated into EPDs currently (due to the BS EN 15804 standard currently not allowing for inclusion of mass balanced raw materials), however, the numbers are directly comparable.

Product Range	Embodied Carbon (Cradle to Gate) GWP (kgCO ₂ e/m ²) - Standard	Embodied Carbon (Cradle to Gate) GWP (kgCO ₂ e/m ²) - Amtico Bio	Embodied Carbon (Cradle to Gate) Emissions Saving (%)
Amtico Signature	8.37	5.99	-28
Amtico Form	7.75	5.70	-26
Amtico Spacia	7.26	5.43	-25
Amtico Marine	6.33	5.08	-20



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Read our full sustainability strategy at
amtico.com/commercial/sustainability/



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flooring

