

# REDUCE YOUR PRODUCT CARBON FOOTPRINT – IT'S THAT EASY!

Basotect® EcoBalanced, the only melamine resin foam with a lower PCF – up to 50% compared to standard Basotect® grades



**■ BASF**  
We create chemistry

BASOTECT® – NO LESS AND SO MUCH MORE.

# Reduce the PCF of your products and increase the use of renewable feedstock with Basotect® EcoBalanced!

## An industry-first – your sustainability advantages:

- Basotect® EcoBalanced has an **up to 50% lower Product Carbon Footprint (PCF)** <sup>(1)</sup> than the respective standard grades
- Basotect® EcoBalanced is manufactured in a resource-efficient process utilizing **100% green electricity**
- For Basotect® EcoBalanced, fossil raw materials are replaced with **renewable feedstock from biowaste** at the very beginning of the production value chain and attributed via a mass balance approach <sup>(2)</sup>
- **Greater transparency:** We provide you with **reliable PCF data** to support you evaluate your own products and achieve your sustainability targets

## Easy drop-in solution:

- Same **material performance** as respective standard grades
- No need for adapting the **existing manufacturing process** or for extra investment into new processing lines
- No need to re-qualify most of your applications made of Basotect® EcoBalanced

**Basotect® EcoBalanced: meet the first high-quality, durable and low-PCF melamine resin foam made in Germany by BASF, the technology and global market leader for melamine resin foam!**



- Rely on the same high quality with Basotect® EcoBalanced to which you are accustomed!
- Differentiate your products from competition by extra sustainability benefits!
- Take a decisive step towards your company's NetZero targets!
- Contribute to the reduction of fossil resource consumption and greenhouse gas emissions!

# BASF addresses your need for reduced Product Carbon Footprint (PCF)

## Comparison with alternative materials (kg CO<sub>2</sub> eq/m<sup>3</sup>)

Korean Melamine Foam Supplier  
(9 kg/m<sup>3</sup>)

Basotect® G+  
(9 kg/m<sup>3</sup>)

PET fleece  
(30 kg/m<sup>3</sup>)

Basotect® G+ EcoBalanced  
(9 kg/m<sup>3</sup>)



\*calculations are based on PCF for fleece of 2 kg CO<sub>2</sub>eq per kg

BASF is the first company with transparent emission data for their melamine resin foam! This helps customers in **Building & Construction** as well as the **Transportation** industry to better measure and reduce the CO<sub>2</sub> footprint of their products.

**BASF's melamine resin foam is durable and energy-efficient, saving you costs in the long run while reducing energy and resource consumption.**



## **Applications that benefit from Basotect® EcoBalanced:**

- Building and Construction: wall and ceiling sound absorbers, HVAC applications, air cleaners
- Transportation: sound absorption components

# How do we achieve the low PCF of Basotect® EcoBalanced?

- BASF has developed a **digital application to calculate the cradle-to-gate PCFs** for its 45,000 sales products, including Basotect®.
- The PCF comprises **all product-related greenhouse gas emissions** that occur until the BASF product leaves the factory gate: from the purchased raw material to the use of energy in production processes.
- **Options for reducing PCF** include the usage of green electricity in the production process or attributing renewable materials via a biomass balance approach.
- **Biomass balance approach:** The fossil raw materials that are usually used in the production process are replaced with renewable feedstock at the beginning of the value chain.
- The renewable feedstock comes from organic waste and residual biomass.
- The **renewable feedstock is attributed** to the Basotect® EcoBalanced grades via a mass balance approach which is certified according to REDcert<sup>2</sup> and ISCC PLUS<sup>(2)</sup>.

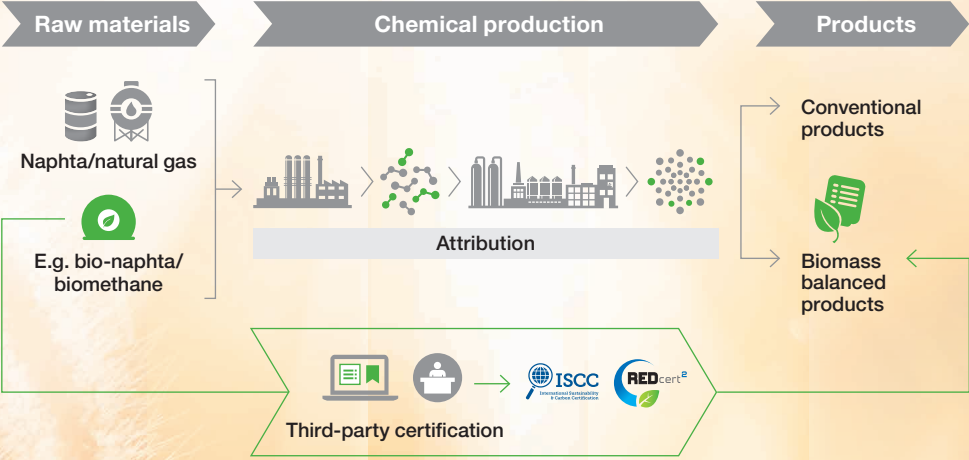
**i** More on BASF's biomass balance approach:

**[www.basf.com/massbalance](http://www.basf.com/massbalance)**

More on BASF's Product Carbon Footprint:

**[www.basf.com/pcf](http://www.basf.com/pcf)**

# Biomass Balance: A practical approach to reduce the dependency on fossil feedstock



- (1) BASF's product carbon footprint (PCF) calculations for conventional products follow the requirements and guidance given by ISO 14067:2018. A TÜV Rheinland methodology review has certified that the SCOTT PCF methodology developed and used by BASF SE is based on scientific evidence, meets ISO 14067:2018 and the Together for Sustainability PCF policy, and reflects the state of the art (ID no. 0000080389: BASF SE – Certipedia). TÜV Rheinland also confirms that the biomass balance (BMB) PCF calculation method and the associated PCF reduction for BMB-certified products follow the conventional LCA method in accordance with ISO 14067 and the Together for Sustainability (TfS) policy.
- (2) REDcert<sup>2</sup> and ISCC PLUS are sustainability certification schemes for the use of sustainable biomass as raw material in the chemical industry. A certification according to these certification schemes confirms that the biomass used is sustainable and has been fed into the production system in the required amount. It also confirms that the sustainable biomass has been correctly attributed to the corresponding sales products. The certifications are awarded on the basis of on-site audits conducted by independent auditors.



[www.basotect.basf.com](http://www.basotect.basf.com)

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#### **Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out own investigations, and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. (January 2025)