

Life Cycle Assessment for Polymer modified bitumen Update for stakeholders

September 2025

As part of its long-standing commitment to sustainability, transparency, and continuous improvement, Eurobitume is pleased to announce the launch of a new Life Cycle Assessment (LCA) study focused on Polymer Modified Bitumen (PmB).

At Eurobitume, we recognise the importance of environmental responsibility across the entire construction value chain. Our members are committed to providing reliable, science-based data that supports stakeholders in making informed decisions, reducing environmental impacts, and aligning with European and global climate goals.

Our recently released *LCA 4.0* represents the most comprehensive environmental assessment ever conducted by Eurobitume for conventional, non-modified bitumen. It provides high-quality, cradle-to-gate data that is already being widely used across Europe in sustainability reporting and product development.

During the stakeholder webinars held in March 2025, many participants emphasised the need for environmental data on Polymer Modified Bitumen (PmB), a material widely used in pavement applications due to its enhanced durability and performance characteristics.

In response, Eurobitume has decided to initiate a dedicated LCA for PmB. This new study aims to address the current data gap by generating reliable, transparent, and standardised environmental profiles for commonly used PmB formulations.

We recognise that the diversity of polymers, processing technologies, and PmB formulations makes this a complex task. Therefore, this LCA will focus on the most representative and widely used production routes, applying a pragmatic, streamlined approach that ensures both feasibility and scientific rigour.

The study will build on the foundation of *LCA 4.0*, leveraging the existing bitumen data to ensure consistency across product assessments within the bitumen sector. Eurobitume plans to publish the report in the first half of 2026. We will share the confirmed release date and the corresponding webinar schedule as soon as they are finalised.

If you have any questions, please do not hesitate to get in touch with Eurobitume's Sustainability Lead, [Dr Brice Delaporte](#), or any member of the [Eurobitume team](#).

Together, through open dialogue and a shared commitment to environmental transparency, we can continue advancing the sustainable use of bitumen across Europe.