

Biomass balancing: A smart approach to incorporate sustainable feedstocks into our eCO grades

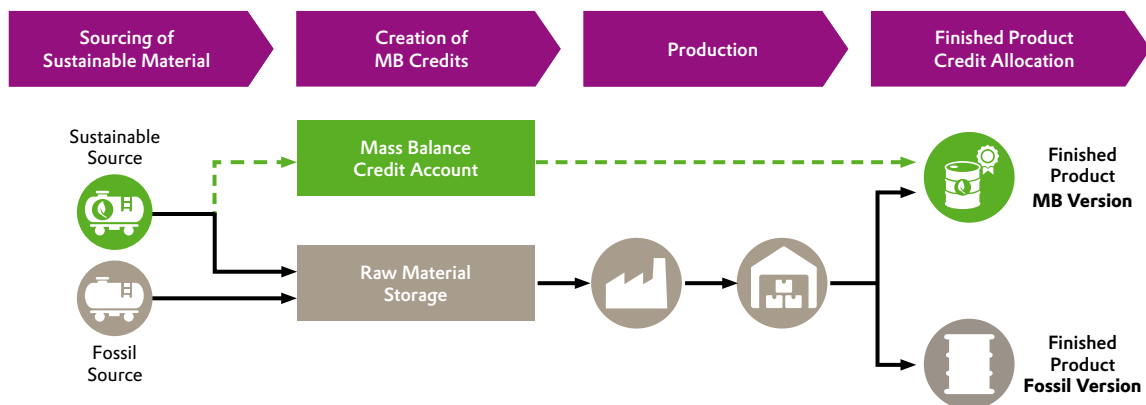


eCO grades for reduced CO₂ emissions

Evonik Coating Additives is supporting the shift towards the circular economy and bioeconomy by utilization of the mass balance approach. Mass balance involves mixing virgin fossil and renewable raw materials into existing systems and production processes. The renewable amount is then allocated mathematically to specific products and is certified by a neutral third party to verify the use of renewable resources across all stages of production. Mass balance is a way to keep track of the renewable quantities throughout the process and to allocate them to specific products.

With our **TEGO® eCO brand** we provide high performance additives compliant with the sustainability criteria laid down by the ISCC, a voluntary certification and a trusted standard. The eCO (= eliminates CO₂) grades do not differ in their physicochemical properties versus standard grades derived from fossil-based raw materials. They can be used as drop-in replacements by our customers. The eCO grades do not require any additional tests, requalification, or investment and bring same well-known performance but reduced carbon emissions.

Diagram of the mass balance approach @ Evonik Coating Additives



Click or scan the QR-code for more information!

BRAND NAME	APPLICATION	TYPE	RENEWABLE CARBON (MASS BALANCE)
TEGO® Foamex 812 eCO	Foam control	Polyether siloxane concentrate	>60%
TEGO® Wet 270 eCO	Substrate wetting	Polyether siloxane concentrate	>40%

Benefits



Sustainable Feedstock

- reduces greenhouse gas emissions by using renewable mass balance content
- significant reduction of product carbon footprint



Drop-in solution

- same performance compared to standard product
- no requalification of raw materials needed
- easy implementation in existing formulations
- same high quality as standard products



ISCC plus certified

- Third party certified for maximum credibility

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