Additives from biobased raw materials for paints, coatings, and printing inks

We ensure that sustainability goes deeper than the surface

Our contribution to biobased coatings and inks

Evonik Coating Additives supports paints, coatings, and printing inks manufacturers in their strive for safer and more sustainable solutions. One approach is the increasing use of materials, chemicals, and energy derived from biological resources. The portfolio of Coating Additives provides a growing number of products containing biobased raw materials, and our innovation team is working on expanding our offerings to fulfill this important market need.

In the development of biobased additives, we focus on renewable materials. Renewable materials are composed of biomass and can be continually replenished by nature. Whenever possible, we use second generation renewable materials, such as by-products from forestry, agriculture, or waste streams.

Determination of the biobased content

We use the material balance method following the principles of the standard EN 16785-2:2018 as the method for determining the biobased content of our products. The material balance method provides the biobased content when raw materials with varying biobased content are mixed during the production process. As an additional service, we offer Life Cycle Assessment (LCA) data and C14 radiocarbon determinations of biobased content.

All of our Life Cycle Assessments follow the principles of ISO 14040/44 and ISO 14067 standards and provide further information related to the CO_2 equivalent emissions of the biobased products (expressed in kg CO_2 equiv./kg of product). The determination of biobased carbon content of our products is based on the C14 radiocarbon analysis according to the standard ASTM D6866. LCAs and C14 radiocarbon analyses are available on request.

Our regulatory data sheets provide comprehensive information on regulatory compliance, food contact status, and biobased content. Information on biobased content, determined via the material balance method, can be found in the table entitled "Diverse Substances". The regulatory data sheets can be found easily in the information page for each individual product in the COATINO® product finder **LINK**.

Click here for more information!

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Our portfolio of additives from biobased raw materials*

Product	Biobased content (wt%)	Recommendation by market segment		
		Decorative Paints	Industrial & Transportation	Printing inks
COLOROL® F	87%	●	●	
LIPOTIN DB	100%	●		●
TEGO® Airex 921	57%			●
TEGO® Airex 922	62%	●	●	
TEGO® Airex 944	25%	●	●	
TEGO® Airex 990	50%	●	●	
TEGO® Airex 991	63%	●	●	
TEGO® COLOR AID 7060	77%	●		
TEGO® COLOR AID 7062	63%	●		
TEGO® Dispers 1010	95%	●		●
TEGO® Dispers 630	50%		●	
TEGO® Dispers 652	70%	●		
TEGO® Dispers 685	15%	●	●	●
TEGO® Dispers 705	36%		●	
TEGO® Dispers 740 W	35%	●		
TEGO® Foamex 18	97%	●		
TEGO® Foamex 832	50%			●
TEGO® Foamex 8820	55%			●
TEGO® Foamex 8850	98%			●
TEGO® Wet 550	12%			●

*Some products are not available in all regions. Check **www.coatino.com** for regional availability.

EVONIK OPERATIONS GMBH
Goldschmidtstraße 100
45127 Essen
Germany
Phone +49 201 173-2222
coating-additives@evonik.com
www.coating-additives.com

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