

CLIMATE DECLARATION FOR

ALUFY ECO 2

PRODUCTS INCLUDED: ALUFY ECO 2 (ALUFY ECO 5 IN PILOT PRODUCTION)

FROM NUOVA SIMA SRL

Functional unit: 1t of Alufy ECO 2 in big bag

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.



Information about the product

Alufy ECO is the trademark of natural milled Aluminium Hydroxide flame-retardant fillers. This product is flame-retardant ATH produced through the milling of a natural mineral, containing more than 90 % of Aluminium Tri-Hydroxide. It has a low environmental impact, because no chemical process and no water consumption are involved in its production. ALUFY ECO 2 can efficiently replace synthetic ATH in many fields, keeping the same fire performance and very good mechanical properties.

Information about the company

Nuova Sima is an experienced producer of fine milled fillers, Calcium Carbonate as general-purpose filler and Magnesium Carbonate, Magnesium Hydroxide, Aluminium Hydroxide as flame retardant fillers for plastic materials, rubbers and paints. It is currently the biggest European producer of fine milled Natural Magnesium Hydroxide.

The commitment to research and innovation, and particular attention to the environmental impacts of its products, allows Nuova Sima to respond to the specific needs of its customers, and to improve consistently the quality of its results.

Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO₂ eq. per 1t of Alufy ECO 2 product. Alufy ECO 5 (not yet in the market) produced in pilot quantities in the reference year.

	Upstream	Core	Downstream	Total
GWP - Fossil	4.63E+01	1.81E+02	7.51E+01	3.03E+02
GWP - Biogenic	2.68E+00	9.99E+00	1.21E+01	2.48E+01
GWP - Luluc	4.61E-02	8.09E-01	3.19E-02	1.59E-01
GWP - Total	4.90E+01	1.91E+02	8.72E+02	3.28E+02

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-11598	VALIDITY: 2028-12-28
PCR: 2020:01	UN CPC: 15320	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: DNV BUSINESS ASSURANCE ITALY S.R.L.		ACCREDITED / APPROVED BY: ACCREDIA	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.			