

LEED 2009 (version 3)

PRODUCT DATA FOR CERTIFICATION

SUPAFIL BLOWING WOOL

LEED 2009 (Leadership in Energy and Environmental Design) is a voluntary standard that defines high performance green buildings which are healthier, more environmentally responsible, and more profitable structures. Credits for certification can be earned in various categories, each with a unique focus on sustainable design: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation and design process.


KNAUF INSULATION products can put you on the right track to get the highest result for LEED 2009 certification.

LEED Credit Category code	Definition	Knauf Insulation Products contribution	Contributes towards
EA 1 (Optimize Energy Performance)	To demonstrate a percentage improvement in the proposed building performance rating compared with a regional defined baseline building performance rating (energy cost savings).	Supafil Blowing Wool products help reducing energy demand through high insulation efficiency and compliance with regulatory demands.	19 points
MR 3 (Materials reuse)	To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources.	Supafil Blowing wool is easily removable (in loft and timber frame applications) and could be reuse for same application.	2 points
MR 4 (Recycled content) <i>Additional info in annexe 1</i>	To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	Products are manufactured with up to 80% of recycled content (pre and post-consumer) ¹	2 points
MR 5 (Regional materials) <i>Additional info in annexe 2</i>	To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.	Knauf Insulation current ideal plants repartition helps expeditions to cover maximum 800 Km distance from production site ²	2 points

¹ See annexe1

² See annexe2

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LEED Credit Category code	Definition	Knauf Insulation Products contribution	Contributes towards
IEQ 3.2. (Construction Indoor Air Quality Management Plan— Before Occupancy)	To reduce indoor air quality (IAQ) problems resulting from construction or renovation to promote the comfort and well-being of construction workers and building occupants.	SUPAFIL Blowing Wool products comply as they are certified Blue Angel and Eurofins Gold ³ for Indoor Air Comfort, see annexe3. 	1 point
IEQ 7.1. (Thermal comfort design)	To provide a comfortable thermal environment that promotes occupant productivity and well-being.	SUPAFIL Blowing Wool products help to reduce energy demand through high insulation efficiency and to reach compliance with regulatory demand.	1 point
IEQc 9 (Enhanced acoustical performance, only for schools)	To provide classrooms that facilitates better communications through effective acoustical design. Reduce sound transmission through the building shell and interior partitions and minimize HVAC noise.	SUPAFIL Blowing Wool products have high performance acoustic properties.	2 points

³ www.product-testing.eurofins.com

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Annexe 1: MR 4 (Materials and Resources): Recycled Content

Here enclosed additional detailed information⁴ about pre-consumer waste (reintroduction of manufacturing scrap back into the manufacturing process) and post-consumer waste (produced by the end consumer) for fabrication of the Supafil Blowing Wool.

	Visé (B)	Lannemezan (Fr)
%pre-consumer waste content	47%	40%
% post-consumer waste content	32%	40%
LEED MR 4	contributes towards 2 points	

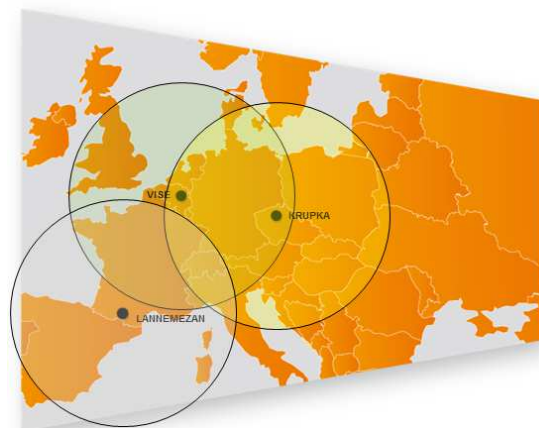
Annexe 2: MR 5 (Materials and Resources): Regional Materials

Here enclosed additional information about production sites locations and raw materials origin.

1. Manufacture sites by country:

Country:	Belgium	France
Location: (nearest city):	Visé (Liège)	Lannemezan (Toulouse)
LEED MR 5	contributes towards 2 points	

Map with 800 Km radius (500 miles) from manufacturing site



⁴ Most recent data 2013 to 2014 depending on locations

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2. Origin of raw materials constituting Glass Mineral Wool final product:

	Visé	Lannemezan
0-300 Km	80%	22%
300-500 Km	20%	56%
500-800 Km	0%	14%
>800 Km	0%	8%
LEED MR 5	contributes towards 2 points	

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Annexe 3: IEQ 3.2. : Construction Indoor Air Quality Management Plan

Here below the Indoor Air Comfort Gold Certificate and Blue Angel Certificate for Supafil Blowing Wool:



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CERTIFICATE

ON THE BASIS OF THE
CONTRACT ON THE USE OF THE ENVIRONMENTAL LABEL NO. 24033

KNAUF INSULATION GMBH
84359 SIMBACH AM INN, GERMANY

IS GRANTED THE RIGHT TO USE THE BLUE ANGEL ECOLABEL SHOWN BELOW
FOR THE PRODUCT

SUPAFIL

AS A SIGN OF SPECIAL ENVIRONMENTAL FRIENDLINESS.

SANKT AUGUSTIN, THIS 23 APRIL 2013



Km
CHAIRMAN OF THE BOARD

RAL gGMBH

