

### October 2021

# WELL version 2

## Product Data for Building Certification

### **BLOWING WOOL**

WELL v2 operates on a points-based system. All optimizations have maximum point-values. The point-value of a feature is determined by its potential for impact. This is defined as the extent to which a feature addresses a specific health and wellness concern or opportunity for health promotion, and the potential impact of effective intervention. **KNAUF INSULATION** put you on the right track for the highest result into the certification process!

Feature	Part	Definition	Knauf Insulation Products contribution	Contributes towards
A01. Fundamental Air Quality	A01.2 Meet Thresholds for Organic Gases	To provide acceptable air quality levels as determined by public health authorities.	Supafil products are compliant with the German AgBB Testing and Evaluation Scheme and the higher category (A+) of the French labelling. The binder is without added phenol formaldehyde. Products with or without facing are certified	Precondition
A05. Enhanced Air Quality	A05.2 Meet Enhanced Thresholds for Organic Gases		for Indoor Air Comfort Eurofins Gold <sup>1</sup> and Blue Angel <sup>2</sup>	1 point
T01. Thermal Performance	T01.1 Provide acceptable Thermal Environment	To create indoor thermal environments that provide comfortable thermal conditions to the majority of people in support of their health, well- being and productivity.	Blowing Wool products help reducing energy demand through very high insulation efficiency.	Precondition

<sup>1</sup> See annex 1 Indoor Air Confort Gold Eurofins and <u>https://www.eurofins.com/consumer-product-testing/</u>

<sup>2</sup> See annex 2 Blaue Engel and <u>https://www.blauer-engel.de/en/s/knauf</u>



1/9



Feature	Part	Definition	Knauf Insulation Products contribution	Contributes towards
S01. Sound Mapping S02. Maximum Noise Levels	S01.1 Label Acoustic zone S01.2 Provide acoustic design plan S02.1 Limit Background Noise Levels	To create an acoustical plan that identifies internal and external noise sources that can negatively impact the acoustical environment of interior spaces. To facilitate comfortable interior noise levels. This feature can operate in tandem with Feature S01: Sound Mapping.	Blowing Wool products have high performance acoustic properties <sup>3</sup> . They reduce HVAC background noise, increase sound insulation of building envelope, partitions,	Precondition 3 points
S03. Sound Barriers	S03.1/S03.2 Design for Sound Isolation at Walls and Doors & achieve sound insulation at walls	To bolster acoustical privacy between rooms. This feature can operate in tandem with Feature S01: Sound Mapping	ceilings and aid in controlling reverberation time	3 points
X05. Enhanced Material Restrictions	X05.2 Select Compliant Architectural and Interior Products	To restrict halogenated flame retardants (HFRs), Per- and polyfluoroalkyl substances (PFAS) and select phthalates commonly used in building materials and products. Insulation products, including thermal and acoustic insulation in walls, ceilings, ducts, tubes and pipes, contain 100 ppm (0.01%) by weight or less of halogenated flame retardants (HFR).	Products contain no ingredients listed on the REACH Authorization list, Restriction list or Substances of Very High Concern Candidate list. They are inventoried to at least 0.01% by weight (100ppm) and certified DECLARE LBC Red List Free which means no harmful chemical substances4.	1 point

<sup>&</sup>lt;sup>4</sup> See annex 4 Declare Certificate



<sup>&</sup>lt;sup>3</sup> See annex 3 Sound Reduction Index and Sound Absorption examples



X06. VOC Restrictions	X06.2 Restrict VOC Emissions from Furniture, Architectural and Interior Products (like Insulation).	It requires adherence to emission thresholds for materials placed inside the building envelope.	Supafil products are compliant with the German AgBB Testing and Evaluation Scheme and the higher category (A+) of the French labelling. The binder is without added phenol formaldehyde. Products with or without facing are certified for Indoor Air Comfort Eurofins Gold and Blue Angel.	2 points
X07. Material Transparency	X07.1 Select product with Disclosed ingredients X07.2 Select products with Enhanced Ingredient Disclosure X07.3 Select Products with Third-Party Verified Ingredients	To prioritize supply chain and ingredient transparency in offering product specifiers the tools they need to make fully informed choices when selecting healthier products. This WELL feature requires the compilation and availability of product descriptions, with ingredients evaluated and disclosed through transparency labels.	Products contain no ingredients listed on the REACH Authorization list, Restriction list or Substances of Very High Concern Candidate list. They are inventoried to at least 0.01% by weight (100ppm) and certified DECLARE LBC Red List Free which means no harmful chemical substances.	3 points
X08. Materials Optimization		To take precautionary approach to hazards by emphasizing healthy material selection. It requires screening and labeling of products in accordance with programs that restrict the use of hazardous ingredients in materials and products.	Products contain no ingredients listed on the REACH Authorization list, Restriction list or Substances of Very High Concern Candidate list. They are inventoried to at least 0.01% by weight (100ppm) and certified DECLARE LBC Red List Free which means no harmful chemical substances.	2 points





Annex 1 : Indoor Air Comfort Gold EUROFINS Certificate











#### Annex 2: Blaue Engel certificate



#### Supafil

Category : Low-Emission Thermal Insulation Material and Suspended Ceilings for Use in Buildings (until 12/2020) (DE-UZ 132)

Website : https://www.blauer-engel.de/en/products/construction-heating/thermal-insulation-material-indoor-until-12-2020/supafil

Currently there are no detailed product information provided by company.

Benefits to Environment and Health

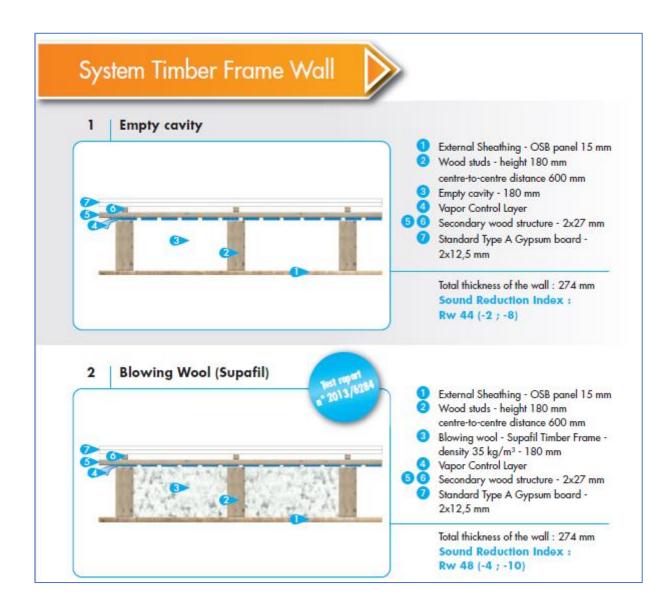
- low emissions
   low pollutant content
- 3. no adverse impact on health in the living environment





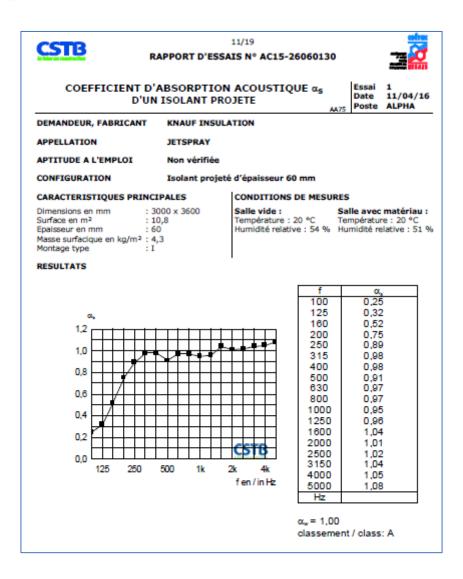
#### Annex 3: Sound Reduction Index and Sound Absorption examples for Supafil

 $STC_c$  in USA is composite Sound Transmissions Class and is equivalent to  $R_w$  Sound Reduction Index in Europe.  $\alpha$  coefficient is the coefficient for sound absorption.













### Annex 4: DECLARE labels

<b>•</b>	
<b>Declare</b> .	<b>Declare</b> .
SUPAFIL®	SUPAFIL* PARTY WALL
(Loft, Thermoloft, Optiloft, Cavity, Timber Frame, Max Frame, Carbon Plus & Spray	Knauf Insulation
Blowing Wool)	Final Assembly: Cwmbran, United Kingdom; St Helens, United
Knauf Insulation	Kingdom
	Life Expectancy: Life of structure Year(s) End of Life Options: Salvageable/Reusable in its Entirety,
Final Assembly: Multiple Locations in Europe Life Expectancy: Life of structure Year(s)	Landfill
End of Life Options: Salvageable/Reusable in its Entirety, Landfill (100%)	Ingredients:
Ingredients:	Glass mineral wool: EC: 926-099-9 Man-Made Vitreous (silicate) Fibers: Silicone: Siloxanes and Silicones. Me-H: Dust Oli:
	Antistatic Agent: Quaternary ammonium compounds, alkyl
Distillates (petroleum), solvent-dewaxed light paraffinic; Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt, Et sulfates	phosphate potassium salt, Et sulfates; <b>Pigment:</b> Copper (II) pthalocyanine
Antistatic Agent: Quaternary ammonium compounds, alkyl	phosphate potassium salt, Et sulfates; Pigment: Copper (II)
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates	phosphate potassium salt, Et sulfates; <b>Pigment:</b> Copper (II) pthalocyanine
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates Living Building Challenge Criteria: Compliant I-13 Red List: BLBC Red List Free % Disclosed: 100% at 100ppm VOC Content: Not Applicable	phosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine  Living Building Challenge Criteria: Compliant  I-13 Red List:  LBC Red List Free  % Disclosed: 100% at 100ppm LBC Red List Approved VOC Content: Not Applicable
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates Living Building Challenge Criteria: Compliant -1-13 Red List: - LBC Red List Free - BCR Ced List Free - BCR Ced List Approved - Declared - Declared - HO Interior Performance: AgBB Scheme French A+ 2011	phosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine  Living Building Challenge Criteria: Compliant  I-13 Red List:  LBC Red List Free LBC Red List Approved VOC Content: Not Applicable Declared  I-10 Interior Performance: AgBB Scheme French A+ 2011
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates Living Building Challenge Criteria: Compliant H3 Red List: B LBC Red List Approved Declared H0 Interior Performance: AgBB Scheme French A+ 2011 H4 Responsible Sourcing: Not Applicable	phosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine  Living Building Challenge Criteria: Compliant  I-13 Red List:  LBC Red List Free LBC Red List Approved VOC Content: Not Applicable Declared  I-10 Interior Performance: AgBB Scheme French A+ 2011
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates Living Building Challenge Criteria: Compliant H3 Red List: BLBC Red List Free BLBC Red List Approved Declared H0 Interior Performance: AgBB Scheme French A+ 2011 H4 Responsible Sourcing: Not Applicable KNF-0040 EXP. 01 NOV 2021	bosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine Living Building Challenge Criteria: Compliant -13 Red List B LBC Red List Free B LBC Red List Free B LBC Red List Approved C Content: Not Applicable D Declared -14 Responsible Sourcing: Not Applicable KNF-0041 EXP. 01 NOV 2021
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium salt. Et sulfates Living Building Challenge Criteria: Compliant -1-13 Red List: - LBC Red List Free %. Disclosed: 100% at 100ppm - LBC Red List Free %. Disclosed: 100% at 100ppm - LBC Red List Approved VOC Content: Not Applicable - Declared - 1-10 Interior Performance: AgBB Scheme French A+ 2011 - 1-14 Responsible Sourcing: Not Applicable KNF-0040	phosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine Living Building Challenge Criteria: Compliant I-13 Red List: B LBC Red List Free % Disclosed: 100% at 100ppm C BC Red List Approved VOC Content: Not Applicable D beclared I-10 Interior Performance: AgBB Scheme French A+ 2011 I-14 Responsible Sourcing: Not Applicable KINF-0041
Antistatic Agent: Quaternary ammonium compounds, alkyl phosphate potassium sait, Et sulfates Living Building Challenge Criteria: Compliant I-13 Red List LBC Red List Free BC Red List Approved Declared H0 Interior Performance: AgBB Scheme French A+ 2011 I-14 Responsible Sourcing: Not Applicable KNF-0040 EXP. 01 NOV 2021	bosphate potassium salt, Et sulfates; Pigment: Copper (II) pthalocyanine Living Building Challenge Criteria: Compliant -13 Red List B LBC Red List Free B LBC Red List Free B LBC Red List Approved C Content: Not Applicable D Declared -14 Responsible Sourcing: Not Applicable KNF-0041 EXP. 01 NOV 2021

https://declare.living-future.org/

