

July 2020

WELL version 2

Product Data for Building Certification

GLASS MINERAL WOOL WITH ECOSE® TECHNOLOGY

WELL v2 operates on a points-based system, with a total of 110 points available to each project. 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 A05. Enhanced	A01.2 Meet Thresholds for Organic Gases	To provide acceptable air quality levels as determined by public health authorities. To go above current guidelines	ECOSE Technology products are compliant with the German AgBB Testing and Evaluation Scheme, the higher category (A+) of the French labelling and the Blue Angel. The binder is without added phenol formaldehyde. Products with or without facing are certified for Indoor Air Comfort Eurofins Gold ¹	Precondition 1 point
Air Quality	Meet Enhanced Thresholds for Organic Gases	to provide enhanced air quality		2 point
T01. Thermal Performance	T01.1 Support 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.	Glass Mineral Wool products help reducing energy demand through very high insulation efficiency.	Precondition

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



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Feature	Part	Definition	Knauf Insulation Products contribution	Contributes towards
S01. Sound Mapping	S01.1 Manage Background Noise Level S01.2 Manage Acoustical Privacy	To create an acoustical plan that identifies internal and external noise sources that can negatively impact the acoustical environment of interior spaces.	Glass Mineral Wool products have high performance acoustic properties ² . They reduce HVAC background noise, increase sound insulation of building envelope, partitions, ceilings and aid in controlling reverberation time.	Precondition
S02. Maximum Noise Levels	S02.1 Limit Background Noise Levels	To facilitate comfortable interior noise levels. This feature can operate in tandem with Feature S01: Sound Mapping.		3 points
S03. Sound Barriers	S03.1 Ensure Adequate Wall Construction	To bolster acoustical privacy between rooms. This feature can operate in tandem with Feature S01: Sound Mapping		2 points
X10. Volatile Compound Reduction	X10.1 Manage Volatile Organic Compounds	To restrict hazardous VOC and SVOC compounds, halogenated flame retardants (HFRs), ureaformaldehyde and select phthalates commonly used in building materials and products	ECOSE Technology products are compliant with the German AgBB Testing and Evaluation Scheme, the higher category (A+) of the French labelling and the Blue Angel. The binder is without added phenol formaldehyde. Products with or without facing are certified for Indoor Air Comfort Eurofins Gold ³	2 points
X11. Long- Term Emission Control	X11.2 Manage Flooring and Insulation Emissions	To test and adhere to emission thresholds for newly purchased furniture and furnishings, flooring and insulation.		1 point

³ See annex 1 Indoor Air Comfort Gold Eurofins and https://www.eurofins.com/consumer-product-testing/



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² See annex 2 Measurement of Sound Absorption in a Reverberation Room



Annex 1: Indoor Air Comfort Gold EUROFINS Certificate









Annex 2: ECOSE product and sound transmission and absorption examples

 STC_c in North America is the composite *Sound Transmissions Class* and is equivalent to R_w *Sound Reduction Index* in Europe. α coefficient is the coefficient for *sound absorption*.





