

Wielsbeke, 04.04.2024

Topic : Achieve WELL points with Unilin Panels HPL

WELL is a green building rating system. WELL certification provides a framework for healthy, highly efficient, and cost-saving green buildings, which offer environmental, social and governance benefits.

Unilin Panels products can not be certified as WELL, though they can contribute to a higher WELL score of a building. Following table explains how WELL points can be achieved by using **Unilin Panels HPL**.

Section	Chapter Title	Requirement	Requirement Detail	Sec	Comment
Materials	X01 Material Restriction	Asbestos	Max. 1000 ppm in weight	✓	Manufacturer declaration available.
Materials	X01 Material Restriction	Mercury	Max. 1000 ppm in weight	✓	Manufacturer declaration available.
Materials	X01 Material Restriction	Lead	Max. 100 ppm in weight	✓	Manufacturer declaration available.
Materials	X05 Enhanced Material Restrictions	Select Compliant Interior Furnishings (1 Point)	At least 50% by cost of newly installed furniture, millwork and fixtures (minimum 10 distinct products), as defined in Appendix X1, meet one of the following requirements: 1. Textiles (i.e., fabrics including upholstery) and plastics in products contain 100 ppm (0.01%) by weight or less of the below compounds and chemical classes, unless higher amounts are mandated by local codes. For assessing compliance of a product, all pieces of each of the two material categories (textiles, plastics) are grouped together and each material category is assessed independently against the 100 ppm threshold: - Halogenated flame retardants (HFR). - polyfluoroalkyl substances (PFAS). - Lead. - Cadmium. - Mercury. 2. Do not contain textiles and plastic.	✓	Products contain less than 100ppm of named contaminants or no textiles or plastics. Manufacturer declaration available.
Materials	X05 Enhanced Material Restrictions	Select Compliant Architectural And Interior Products (1 Point)	At least 50% by cost of newly installed products under the classes listed below, as defined by Appendix X1 (minimum 10 distinct products), meet the following requirements, unless higher amounts are mandated by local code: Flooring products, Ceiling and wall panels contain 100 ppm (0.01%) by weight or less of the following: - Halogenated flame retardants (HFR). - Per- and polyfluoroalkyl substances (PFAS). - Orthophthalates.	✓	No Use of listed contaminants in production process of Unilin. Manufacturer declaration available.
Materials	X06 VOC Restrictions	Restrict VOC Emissions From Furniture, Architectural And Interior Products (Max: 2 Points)	LCI values of German AgBB Testing and Evaluation Scheme 2018 for VOC's	✓	VOC Report available which shows compliance to AgBB scheme.
Materials	X06 VOC Restrictions	Restrict VOC Emissions From Furniture, Architectural And Interior Products (Max: 2 Points)	LCI values of German AgBB Testing and Evaluation Scheme 2018 for Formaldehyde	✓	ChemVerbotsV Compliance declaration available. Compliancy reports are available on demand (sustec.panels@unilin.com)

Section	Chapter Title	Requirement	Requirement Detail	Score	Comment
Materials	X07 Material Transparency	Select Products With Disclosed Ingredients (1Point)	<p>For at least 50% by count or 25 distinct, permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, ingredients are disclosed by the manufacturer, a disclosure organization or a third party through one of the following:</p> <p>A Declare label, operated by the International Living Future Institute.³</p> <p>A Health Product Declaration (HPD) published in the HPD Public Repository, operated by the Health Product Declaration Collaborative.⁴</p> <p>A Cradle-to-Cradle Certified™ product, or a product with a Material Health Certificate from the Cradle to Cradle Products Innovation Institute.⁵</p> <p>A Product Lens Certification™, operated by UL.⁶</p> <p>A Product Health Declaration, operated by Global Green Tag.⁷; A manufacturer's inventory containing CAS numbers of all individual compounds down to 1,000 ppm (0.1%). If the product contains a trade secret compound, GHS hazards of category 1 or 2 are listed and a concentration range is provided for each undisclosed component.</p>	✓	SDS available with board composition on 0.1% level. C2C Material Health certificate available on showpad which is a approved program for WELL.
Materials	X07 Material Transparency	Select Products With Third-Party Verified Ingredients (1Point)	<p>For at least 15 distinct permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, the following requirements are met:</p> <p>All ingredients are disclosed through one of the following:</p> <p>A Declare label, operated by the International Living Future Institute.³</p> <p>A Health Product Declaration (HPD) published in the HPD Public Repository, operated by the Health Product Declaration Collaborative.⁴</p> <p>A Cradle-to-Cradle Certified™ product, or a product with a Material Health Certificate from the Cradle to Cradle Products Innovation Institute.⁵</p> <p>A Product Lens Certification™, operated by UL.⁶</p> <p>A Product Health Declaration, operated by Global Green Tag.⁷</p> <p>Ingredient disclosure is verified by a third party (i.e., an organization other than the manufacturer that is not affiliated with the ingredient disclosure certificate).</p>	✓	SDS available with board composition on 0.1% level. C2C Material Health certificate available on showpad which is a approved program for WELL.

Section	Chapter Title	Requirement	Requirement Detail	Score	Comment
Materials	X08 Material Optimization	Select Materials With Enhanced Chemical Restrictions (1Point)	For at least 25 distinct permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, the following requirements are met: Have ingredients inventoried to 100 ppm. Meet one of the following: Product is free of compounds listed in the Living Building Challenge's Red List v.4.0.3 Product meets the chemical thresholds in the Cradle to Cradle Basic Level Restricted Substances List, version 4.4. Product does not contain compounds listed in REACH Restriction, Authorization and SHVC lists. Product meets an optimization path listed under 'Advanced Inventory & Assessment' in Option 2 of LEED v4.1 credit 'Building Product Disclosure and Optimization - Material Ingredients'.5	✓	SDS available with board composition on 0.1% level. C2C Material Health certificate available on showpad which is a approved program for WELL.
Materials	X08 Material Optimization	Select Optimized Products (1Point)	At least 15 distinct products (furniture, flooring, insulation, wet-applied products, ceiling and wall assemblies and systems), as defined in Appendix X1, are certified under one of the following programs: Cradle to Cradle Certified™ products with a Silver, Gold or Platinum level in the Material Health category or products with a Silver, Gold or Platinum level Material Health Certificate from the Cradle to Cradle Products Innovation Institute.6 Living Product Challenge, Materials and Health & Happiness Petals or Living Product Certification, operated by the International Living Future Institute.7 Global GreenTag Product Health Declaration, with a GreenTag HealthRATE™ mark at SilverHEALTH, GoldHEALTH or PlatinumHEALTH level, operated by Global GreenTag Intl. Pty Ltd.8	X	Currently not (yet) available, scheduled to be available as from 2027 when current Bronze level C2C Certificate will be renewed.

Kind regards,

Cristian Delaere – Certification Manager



T E S T C E R T I F I C A T E

CT-24-01-22-04

Product: UE-HPL

Producer: Unilin BV - Division Panels
Ooigemstraat 3
BE – 8710 Wielsbeke

Order: Determination and evaluation of the VOC-, formaldehyde, ammonia and odour emission and phthalates according to different schemes/labels by test chamber method

Test Reports: 2523476/4/A1 dated 22/01/2024

Test Results: The tested product “UE-HPL” fulfils the requirements of the following schemes/labels/emission classes:

Label	Results	
AgBB-Scheme 2018 / 2021	✓	
French VOC-Regulation	A+	
French CMR-Regulation	✓	
Belgian VOC-Regulation	✓	
Italian VOC-Regulation	✓	
Blue Angel DE-UZ 76*	✓	
Eurofins Indoor Air Comfort [®]	✓	
Eurofins Indoor Air Comfort GOLD [®]	✓	
BREEAM International	General Level	✓
New Construction 2016	Exemplary Level	✓
LEED v4.1 Interior Design and Construction		✓
Finish M1 Emission Classification of Building Materials	M1	

* Calculated to loading factor 1.4 m²/m³, closed edges

Dresden, 22/01/2024



Head of laboratory




Engineer in charge

Wielsbeke, 04.04.2024

Topic : X01_X05 (Enhanced) Material Restrictions Declaration

Dear,

Hereby UNILIN BV, division Panels declares that all products listed below comply to the X01 and X05 (Enhanced) Materials Restrictions.

X01 Material Restriction

- Asbestos : Max. 1000 ppm in weight
- Mercury : Max. 1000 ppm in weight
- Lead : Max. 100 ppm in weight

X05 Enhanced Material Restriction

- Halogenated flame retardants (HFR) : Max. 100 ppm in weight
- polyfluoroalkyl substances (PFAS) : Max. 100 ppm in weight
- Lead : Max. 100 ppm in weight
- Cadmium : Max. 100 ppm in weight
- Mercury : Max. 100 ppm in weight
- Orthophthalates : Max. 100 ppm in weight

Products in scope :

- Raw particleboard
- Melamine faced particleboard
- Lacquered particleboard
- Raw MDF/HDF
- Melamine faced MDF/HDF
- Lacquered MDF/HDF
- HPL

Kind regards,

Cristian Delaere – Certification Manager

