

# ABET LAMINATI

## LBC RED LIST DECLARATION

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### HIGH PRESSURE LAMINATE (HPL)

High Pressure Laminates (HPL) are made from layers of cellulose fibrous material (saturating kraft paper) and thermosetting resins bounded under a high pressure/heat process.

The process, defined as the simultaneous application of heat ( $\geq 120^{\circ}\text{C}$ ) and high specific pressure ( $\geq 5\text{ MPa}$ ) provides flowing and subsequent curing of the thermosetting resins to obtain a homogenous non-porous material ( $\geq 1350\text{ kg/m}^3$ ) with characteristics which are totally different from those of its component parts. The final product is a stable, resistant and long-lasting material, easy to handle and machine.

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#### INGREDIENTS: High Pressure Laminate

COMPONENT	SUBSTANCE NAME	CAS #	%
High Pressure Laminate	Cellulosa Fiber (Kraft/Decorative/Overlay)	65996-61-4	61,5 - 69,5 %
	Melamine Resin	9003-08-1	5,45 - 15,85 %
	Phenolic Resin	9003-35-4	22,5 - 25,0 %

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#### LIVING BUILDING CHALLENGE CRITERIA:<sup>1</sup>

Substances included in the LBC-Red List: Melamine Resin, Phenolic Resin.

Process residual substances included in the LBC-Red List: Formaldehyde (CAS #50-00-0).

All the other substances mentioned in the LBC Red List are not intentionally added at any phase of the production process.

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#### INTERIOR PERFORMANCE:

CDPH Standard Method v1.2-2017

ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2021)

ANSI/BIFMA e.3-2019 (Credits 7.6.1, 7.6.2) open plan and (Credits 7.6.1, 7.6.2, 7.6.3) private office workstation parameters.

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#### RESPONSIBLE SOURCING:

Abet Laminati products are available with FSC-PEFC Chain of Custody on request.

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#### ADDITIONAL INFORMATION:

-Formaldehyde emissions: Class E1 issued by third-party laboratory.

-VOC emissions: Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0. Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom and private office, and single-family residence parameters. Also conforms to the ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2021) and ANSI/BIFMA e.3-2019 (Credits 7.6.1, 7.6.2) open plan and (Credits 7.6.1, 7.6.2, 7.6.3) private office workstation parameters. Registration # SCS-IAQ-05441 Valid from: March 21, 2022 to March 20, 2023.

-VOC emissions: Eurofins Confirmation LEEDv4 EQ – Low emitting products.

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#### STATEMENT:

Considering:

ABET LAMINATI SpA HPL Laminates contain substances included in the LBC-Red List.

ABET LAMINATI SpA HPL Laminates are obtained in a similar way to other products of the same category present in the market.

ABET LAMINATI SpA HPL Laminates have a typical composition to other products of the same category present in the market.

We declare that our products can be considered equivalent to those classified as "LBC Red List Approved".

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#### DOCUMENTS:

1. Certificate SCS. Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0. Registration # SCS-IAQ-05441 Valid from: March 21, 2022 to March 20, 2023.

2. HPD -Health Product Declaration v2.2. Print HPL by ABET LAMINATI SpA.

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<sup>1</sup> The LBC "Red List CAS" includes the chemicals that are restricted to 100ppm in the final product (as delivered to the job site) in the Living Building Challenge and Declare.