

RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET




 NEW CONSTRUCTION

 REFURBISHMENT

HIGH PRESSURE LAMINATE - RESOPAL® HPL INTERIOR FITTING

LEED v4 - Building Design and Construction (BD+C)
Office (O) - Retail (R) - Hospitality (Ho) - Healthcare (He)

The technical scheme of the certification encompasses the requirements relating to the project itself (its implementation, function, architectural design, etc.) and to the materials, products and equipment within it. Depending on the certification, the table below shows how RESOPAL HPL fulfils the requirements and with which level of performance. The following pages outline each of the requirements, and detail how RESOPAL HPL is affected and meets them. At the end of the document you will find a clickable link allowing access to the documentation proofs.

Credit category	Credit	Requirement - RESOPAL product contribution	Points
 MR Materials and Resources	Building Product Disclosure and Optimization - Environmental Product Declarations	Option 1 Environmental Product Declaration (EPD) - Product with conforming life cycle analysis	1 pt
	Building Product Disclosure and Optimization - Sourcing of Raw Materials	Option 2 Leadership extraction practice - Product made from PEFC or FSC® certified wood	1 pt
	Furniture and Medical Furnishings	Option 1 Minimal chemical content and/or Option 2 Testing and modeling of chemical content - Chemically inert material	He: Up to 2 pts
		Option 3 Multi-attribute assessment of products - Product made from PEFC or FSC® certified wood and with a conforming life cycle analysis	He: Up to 2 pts
 EQ Indoor Environmental Quality	Low-Emitting Materials	Option 1 Product category calculations or Option 2 Budget calculation method - Product respecting TVOC and formaldehyde emission thresholds	Up to 3 pts
	Interior Lighting	Option 2 Lighting quality - Product eases natural lighting	O: 1 pt Ho: 1 pt



MR - Materials and Resources

Criterion	Requirement - RESOPAL product contribution - Documentation	
Building Product Disclosure and Optimization - Environmental Product Declarations Option 1 Environmental Product Declaration (EPD)	USE A CERTAIN NUMBER OF PRODUCTS WITH AN ENVIRONMENTAL PRODUCT DECLARATION IN COMPLIANCE WITH THE REFERENCE CRITERIA.	
	1 pt	Product with conforming life cycle analysis Indirect influence: RESOPAL has carried out Life Cycle Analysis (LCA) for RESOPAL HPL in compliance with the DIN EN 15804:2012+A2:2019 standard on environmental product declarations. <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN
Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice	USE A CERTAIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES.	
	1 pt	Product made from PEFC or FSC® certified wood Direct influence: RESOPAL HPL meets 2 responsible supply criteria: - All our products can be either PEFC (PEFC/04-31-1353) or FSC® (TSUD-COC-001239 and TSUD-CW-001239) certified on request, guaranteeing that the wood and raw materials used come from sustainably and responsibly managed forests (depending on the certification of our suppliers, while stocks last). - 20% recycled content <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN • Self-declared environmental claim - RESOPAL HPL - DE - EN
Furniture and Medical Furnishings Option 1 Minimal chemical content and / or Option 2 Testing and modeling of chemical content	ALL COMPONENTS COMPRISING AT LEAST 5% OF THE WEIGHT OF A FURNISHING MUST CONTAIN LESS THAN 100 PPM OF AT LEAST 4 OF THE 5 CHEMICAL GROUPS.	
	He: Up to 2 pts	Chemically inert material Direct influence: RESOPAL HPL - 0% urea formaldehyde - 0% heavy metals including mercury, cadmium, lead and antimony - 0% hexavalent chromium and other regulated substances in compliance with the European Directive 2011/65/EU (EU RoHS) - 0% pentachlorophenol - 0% protective products (e.g. lacquer, varnish, etc.) As for all its products, RESOPAL HPL contains no chemical substances included in the candidate list of Substances of Very High Concern - SVHC - in concentrations higher than 0.1% of the mass. In addition, RESOPAL HPL has very low VOC emissions. <ul style="list-style-type: none"> • Certificate of conformity RESOPAL HPL and RESOPAL Compact composition - DE - EN • RESOPAL declaration - REACH regulation - EN • Declaration of conformity RoHS - DE - EN
Furniture and Medical Furnishings Option 3 Multi-attribute assessment of products	USE PRODUCTS THAT MEET ONE OF THE FOLLOWING CRITERIA: - COMPLIANT ENVIRONMENTAL PRODUCT DECLARATION - RESPONSIBLE SUPPLY	
	He: Up to 2 pts	Product made from PEFC or FSC® certified wood and with a conforming life cycle analysis Direct influence: RESOPAL has carried out Life Cycle Analysis (LCA) for RESOPAL HPL in compliance with the DIN EN 15804:2012+A2:2019 standard on environmental product declarations. All our products can be either PEFC (TSUD-PEFC-COC-000086) or FSC® (TSUD-COC-001239 and TSUD-CW-001239) certified on request*, guaranteeing that the wood and raw materials used come from sustainably and responsibly managed forests, and contain 20% recycled material. *depending on the certification of our suppliers, while stocks last <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN • PEFC-Certificate - EN • FSC®-Certificate - EN • Self-declared environmental claim - RESOPAL HPL - DE - EN



EQ - Indoor Environmental Quality

Criterion	Requirement - RESOPAL product contribution - Documentation																																																																							
Low-Emitting Materials Option 1 Product category calculations or Option 2 Budget calculation method	RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CLADDING PRODUCTS.																																																																							
	Up to 3 pts	<p>Product respecting TVOC and formaldehyde emission thresholds</p> <p>Direct influence: RESOPAL HPL is a low-emitting material confirmed by a third-party testing institute. RESOPAL HPL complies with the strictest requirements in terms of indoor air quality, in accordance with the emissions criteria used by the United States Environmental Protection Agency (EPA), the State of California, the German Blue Angel (Blauer Engel) certification and other internationally known public health agencies.</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Regulation</th> <th colspan="2">TVOC</th> <th colspan="2">Formaldehyde</th> </tr> <tr> <th colspan="4">MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS</th> </tr> <tr> <th></th> <th></th> <th>limit</th> <th>value</th> <th>limit</th> <th>value</th> </tr> </thead> <tbody> <tr> <td>RESOPAL HPL WALL SCENARIO</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>18</td> </tr> <tr> <td>RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>< 3</td> </tr> <tr> <td>RESOPAL HPL DOOR SCENARIO</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>4.3</td> </tr> </tbody> </table> <p>NOTE: French VOC labelling</p> <p>In the framework of the French VOC label, Resopal measures VOC emissions from its products in accordance with the ISO 16000 standard. RESOPAL HPL has received the following classification:</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Classification</th> <th colspan="2">TVOC</th> <th colspan="2">Formaldehyde</th> </tr> <tr> <th colspan="4">MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS</th> </tr> <tr> <th></th> <th></th> <th>limit</th> <th>value</th> <th>limit</th> <th>value</th> </tr> </thead> <tbody> <tr> <td>RESOPAL HPL WALL SCENARIO</td> <td>A</td> <td>< 1500</td> <td>< 2</td> <td>< 60</td> <td>18</td> </tr> <tr> <td>RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS</td> <td>A+</td> <td>< 1000</td> <td>< 2</td> <td>< 10</td> <td>< 3</td> </tr> <tr> <td>RESOPAL HPL DOOR SCENARIO</td> <td>A+</td> <td>< 1000</td> <td>< 2</td> <td>< 10</td> <td>4.3</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • VOC Emission test report - Wall - RESOPAL HPL - EN • VOC Emission test report - Door - RESOPAL HPL - EN • VOC Emission test report - Wall - RESOPAL HPL Traceless Premium - EN 		Regulation	TVOC		Formaldehyde		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS						limit	value	limit	value	RESOPAL HPL WALL SCENARIO	ABG/AgBB	≤ 1000	< 5	≤ 100	18	RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS	ABG/AgBB	≤ 1000	< 5	≤ 100	< 3	RESOPAL HPL DOOR SCENARIO	ABG/AgBB	≤ 1000	< 5	≤ 100	4.3		Classification	TVOC		Formaldehyde		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS						limit	value	limit	value	RESOPAL HPL WALL SCENARIO	A	< 1500	< 2	< 60	18	RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS	A+	< 1000	< 2	< 10	< 3	RESOPAL HPL DOOR SCENARIO	A+	< 1000	< 2	< 10	4.3		
	Regulation	TVOC			Formaldehyde																																																																			
		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS																																																																						
		limit	value	limit	value																																																																			
RESOPAL HPL WALL SCENARIO	ABG/AgBB	≤ 1000	< 5	≤ 100	18																																																																			
RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS	ABG/AgBB	≤ 1000	< 5	≤ 100	< 3																																																																			
RESOPAL HPL DOOR SCENARIO	ABG/AgBB	≤ 1000	< 5	≤ 100	4.3																																																																			
	Classification	TVOC		Formaldehyde																																																																				
		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS																																																																						
		limit	value	limit	value																																																																			
RESOPAL HPL WALL SCENARIO	A	< 1500	< 2	< 60	18																																																																			
RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS	A+	< 1000	< 2	< 10	< 3																																																																			
RESOPAL HPL DOOR SCENARIO	A+	< 1000	< 2	< 10	4.3																																																																			
Interior Lighting Option 2 Lighting quality	CHOOSE 4 OF THE 8 SOLUTIONS AVAILABLE THAT GUARANTEE QUALITY LIGHTING.																																																																							
	O: 1 pt Ho: 1 pt	<p>Product eases natural lighting</p> <p>Indirect influence: The daylight factor calculation takes account of different factors including the light reflectance value of floors, walls and ceilings.</p> <p>With its large range of over 300 decors (plain, wood, materials), RESOPAL HPL contributes to obtaining excellent daylight factor percentages: Its light reflectance values range from 0.06 for the 0901 Black decor to 0.85 for the 9417 Snow White decor.</p> <ul style="list-style-type: none"> • Data Sheet - Surface Gloss and Surface Brightness - EN 																																																																						

Download all documentation proofs here

