

RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET







 NEW CONSTRUCTION

 REFURBISHMENT

HIGH PRESSURE LAMINATE - RESOPAL® HPL INTERIOR FITTING

International New Construction 2016 (SD233 2.0)
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.

Section	Issue	Criterion - RESOPAL product contribution	Points
 HEA Health and Well-Being	Hea 01 Visual Comfort	Daylighting Product eases natural lighting	O: 1 pt R: 2 pts Ho: 1 pt
	 Hea 02 Indoor Air Quality	Emissions from building products Product with very low TVOC and formaldehyde emissions	1 pt
 MAT Materials	Mat 01 Life Cycle Impacts	Life Cycle Assessment (LCA) Product with conforming life cycle analysis	Up to 5 pts
	 Mat 03 Responsible Sourcing of Construction Products	Environmental Product Declarations (EPD) Voluntary environmental product declaration by an independent organisation	1 pt
		Legal timber-based products Wood environmental certifications	Prerequisite
 INN Innovation	Inn 01 Innovation	Responsible sourcing of construction products Product sourced responsibly	Up to 3 pts
		Exemplary level of performance Earn exemplary performance points with RESOPAL HPL	Up to 2 pts

Hea 01 - Visual Comfort



Criterion	Requirement - RESOPAL product contribution - Documentation	
Daylighting	RESPECT A CERTAIN DAYLIGHT FACTOR (DF) PERCENTAGE FOR A MINIMUM SURFACE AREA IN THE PROJECT.	
	O: 1 pt R: 2 pts 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

Hea 02 - Indoor Air Quality



Criterion	Requirement - RESOPAL product contribution - Documentation																																			
Emissions from building products	USE PRODUCTS WHOSE EMISSION LEVELS RESPECT CERTAIN THRESHOLDS: FORMALDEHYDE < 60 µg/m ³ , TVOC < 1000 µg/m ³ AND 1A AND 1B CARCINOGENIC SUBSTANCES < 1 µg/m ³ .																																			
	1 pt	<p>Product with very low TVOC and formaldehyde emissions</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>		Regulation	TVOC		Formaldehyde		MAXIMUM CONCENTRATIONS (µg/m ³) - 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
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<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>		Classification	TVOC		Formaldehyde		MAXIMUM CONCENTRATIONS (µg/m ³) - 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		
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Mat 01 - Life Cycle Impacts

Criterion	Requirement - RESOPAL product contribution - Documentation	
Life Cycle Assessment (LCA)	CALCULATE THE ENVIRONMENTAL IMPACT OF THE BUILDING THROUGH A LIFE CYCLE ANALYSIS INCLUDING AT LEAST CERTAIN PRODUCTS.	
	Up to 5 pts	<p>Product with conforming life cycle analysis</p> <p>Indirect influence: Wall and ceiling coverings are among the obligatory elements to be included in the environmental impact calculation of the project.</p> <p>RESOPAL carries out Life Cycle Analysis (LCA) for its products and supplies the environmental product declarations required for this calculation.</p> <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN
Environmental Product Declarations (EPD)	INSTALL A CERTAIN NUMBER OF PRODUCTS WITH COMPLIANT ENVIRONMENTAL PRODUCT DECLARATIONS.	
	1 pt	<p>Voluntary environmental product declaration by an independent organisation</p> <p>Direct influence: RESOPAL has carried out Life Cycle Analysis (LCA) for RESOPAL HPL in compliance with the DIN EN 15804:2012+A2:2019 standard.</p> <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN



Mat 03 - Responsible Sourcing of Construction Products

Criterion	Requirement - RESOPAL product contribution - Documentation	
Legal timber-based products	ENSURE THAT THE WOOD USED IN PRODUCTS IS LEGALLY SOURCED.	
	Prerequisite	<p>Wood environmental certifications</p> <p>Indirect influence: 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).</p> <p>NOTE: this criterion is also a prerequisite for the MAT03 - Responsible construction practices issue.</p> <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN
Responsible sourcing of construction products	CONTAIN A CERTAIN PERCENTAGE OF PRODUCTS SOURCED FROM A RESPONSIBLE CHANNEL: THE NUMBER OF POINTS OBTAINED DEPENDS ON THIS PERCENTAGE VALUE.	
	Up to 3 pts	<p>Product sourced responsibly</p> <p>Direct influence: 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 (depending on the certification of our suppliers, while stocks last).</p> <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN



Inn 01 - Innovation

Criterion		Requirement - RESOPAL product contribution - Documentation
Exemplary level of performance		FULFIL REINFORCED REQUIREMENTS ON SOME CRITERIA FROM OTHER SECTIONS.
	Up to 2 pts	<p>Earn exemplary performance points with RESOPAL HPL</p> <p>Among the criteria that earn exemplary performance points, two concern RESOPAL HPL:</p> <p>Mat 01 (1 pt): When the maximum score is reached in the LCA tool.</p> <p>Mat 03 (1 pt): When more products are sourced responsibly.</p>

Download all documentation proofs here

