

RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET




 NEW CONSTRUCTION

 REFURBISHMENT

COMPACT HPL - RESOPAL® COMPACT 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 Compact fulfils the requirements and with which level of performance. The following pages outline each of the requirements, and detail how RESOPAL Compact 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 Compact 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 Compact fulfils the criteria for responsible sourcing: 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). <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN
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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	
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EQ - Indoor Environmental Quality

Criterion	Requirement - RESOPAL product contribution - Documentation																																																																							
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Building environmental data sheet - LEED - New construction - Compact HPL - RESOPAL Compact - EN - All rights reserved. Subject to modifications, please contact us.

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 NEW CONSTRUCTION

 REFURBISHMENT

COMPACT HPL - RESOPAL® COMPACT INTERIOR FITTING

LEED v4 - Interior Design and Construction (ID+C)
Office (O) - Retail (R) - Hospitality (Ho)

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 NEW CONSTRUCTION

 REFURBISHMENT

HIGH PRESSURE LAMINATE - RESOPAL® HPL INTERIOR FITTING

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Download all documentation proofs here



RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET




 NEW CONSTRUCTION

 REFURBISHMENT

HIGH PRESSURE LAMINATE - RESOPAL® HPL INTERIOR FITTING

LEED v4 - Interior Design and Construction (ID+C)
Office (O) - Retail (R) - Hospitality (Ho)

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
	Building Product Disclosure and Optimization - Material Ingredients	Option 3 Material ingredient optimization - Chemically inert material	1 pt
 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	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: <ul style="list-style-type: none"> - 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
Building Product Disclosure and Optimization - Material Ingredients Option 3 Material ingredient optimization	USE A CERTAIN NUMBER OF PRODUCTS WITH PRE-EVALUATED COMPONENTS.	
	1 pt	Chemically inert material Direct influence: RESOPAL HPL <ul style="list-style-type: none"> - 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



EQ - Indoor Environmental Quality

Criterion	Requirement - RESOPAL product contribution - Documentation																																																																							
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RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET




 NEW CONSTRUCTION

 REFURBISHMENT

MELAMINE-FACED BOARD - RESOPAL® MFB 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 MFB¹ fulfils the requirements and with which level of performance. The following pages outline each of the requirements, and detail how RESOPAL MFB 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
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	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

¹ All data in this data sheet refers exclusively to RESOPAL MFB and does not apply to RESOPAL Resopalit.



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 MFB in compliance with the DIN EN 15804:2012+A1:2014 standard on environmental product declarations. <ul style="list-style-type: none"> • FDES - RESOPAL MFB - Qualité Standard - FR • FDES - RESOPAL MFB - Qualité Hydrofuge - FR • EPD - RESOPAL MFB - Standard Quality - EN • EPD - RESOPAL MFB - Moisture-Resistant Quality - 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 RESOPAL MFB is: <ul style="list-style-type: none"> - 85% composed of an anhydrous wood core from the following sources: 20% roundwood (twigs, branches, downgraded logs), 37% related products (chips, particles) from other woodworking industries (sawmills, joineries, furniture makers, etc.), 43% secondary raw materials for recycling (chips from wood waste shredding). - 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). It is therefore included in the calculation of the volume of wood used in the structure, with reference to the order of 13 September 2010 establishing the method for calculating the volume of wood used in certain constructions. Moreover, RESOPAL MFB is produced in Ussel, France. <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - 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 MFB <ul style="list-style-type: none"> - 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 MFB 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. <ul style="list-style-type: none"> • RESOPAL declaration - REACH regulation - EN • Declaration of conformity RoHS - DE - EN • Classification report - RESOPAL MFB - Fire-retardant Faced Board - FR - EN • Classification report - RESOPAL MFB - Fire-retardant MDF Board - FR - EN

Criterion	Requirement - RESOPAL product contribution - Documentation	
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 MFB in compliance with the DIN EN 15804:2012+A1:2014 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. *depending on the certification of our suppliers, while stocks last <ul style="list-style-type: none"> • FDES - RESOPAL MFB - Qualité Standard - FR • FDES - RESOPAL MFB - Qualité Hydrofuge - FR • EPD - RESOPAL MFB - Standard Quality - EN • EPD - RESOPAL MFB - Moisture-Resistant Quality - EN • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - 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.																												
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 NEW CONSTRUCTION

 REFURBISHMENT

MELAMINE-FACED BOARD - RESOPAL® MFB INTERIOR FITTING

LEED v4 - Interior Design and Construction (ID+C)
Office (O) - Retail (R) - Hospitality (Ho)

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MR - Materials and Resources

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	1 pt	Product with conforming life cycle analysis Indirect influence: RESOPAL has carried out Life Cycle Analysis (LCA) for RESOPAL MFB in compliance with the DIN EN 15804:2012+A1:2014 standard on environmental product declarations. <ul style="list-style-type: none"> • FDES - RESOPAL MFB - Qualité Standard - FR • FDES - RESOPAL MFB - Qualité Hydrofuge - FR • EPD - RESOPAL MFB - Standard Quality - EN • EPD - RESOPAL MFB - Moisture-Resistant Quality - 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 RESOPAL MFB is: <ul style="list-style-type: none"> - 85% composed of an anhydrous wood core from the following sources: 20% roundwood (twigs, branches, downgraded logs), 37% related products (chips, particles) from other woodworking industries (sawmills, joineries, furniture makers, etc.), 43% secondary raw materials for recycling (chips from wood waste shredding). - 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). It is therefore included in the calculation of the volume of wood used in the structure, with reference to the order of 13 September 2010 establishing the method for calculating the volume of wood used in certain constructions. Moreover, RESOPAL MFB is produced in Ussel, France. <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN
Building Product Disclosure and Optimization - Material Ingredients Option 3 Material ingredient optimization	USE A CERTAIN NUMBER OF PRODUCTS WITH PRE-EVALUATED COMPONENTS.	
	1 pt	Chemically inert material Direct influence: RESOPAL MFB <ul style="list-style-type: none"> - 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 MFB 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. <ul style="list-style-type: none"> • RESOPAL declaration - REACH regulation - EN • Declaration of conformity RoHS - DE - EN • Classification report - RESOPAL MFB - Fire-retardant Faced Board - FR - EN • Classification report - RESOPAL MFB - Fire-retardant MDF Board - FR - 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	Product respecting TVOC and formaldehyde emission thresholds In the framework of the French VOC label, Resopal measures VOC emissions from its products in accordance with the ISO 16000 standard. RESOPAL MFB has received the following classification:	<table border="1"> <thead> <tr> <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>limit</th> <th>value</th> <th>limit</th> <th>value</th> </tr> </thead> <tbody> <tr> <td>< 1000</td> <td>190 µg/m³</td> <td>A+</td> <td>< 10 8.6 µg/m³</td> </tr> <tr> <td>< 1000</td> <td>140 µg/m³</td> <td>A+</td> <td>< 60 46 µg/m³</td> </tr> </tbody> </table>		TVOC		Formaldehyde		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS				limit	value	limit	value	< 1000	190 µg/m³	A+	< 10 8.6 µg/m³	< 1000	140 µg/m³	A+
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	RESOPAL MFB CHIPBOARD - STANDARD QUALITY RESOPAL TRACELESS FACED BOARD	<ul style="list-style-type: none"> VOC Emission test report - RESOPAL MFB - EN VOC Emission test report - RESOPAL Traceless Faced Board - EN 																					
Interior Lighting Option 2 Lighting quality	CHOOSE 4 OF THE 8 SOLUTIONS AVAILABLE THAT GUARANTEE QUALITY LIGHTING.																						
	1 pt	Product eases natural lighting Indirect influence: The daylight factor calculation takes account of different factors including the light reflectance value of floors, walls and ceilings. With its large range of over 180 decors (plain, wood, materials), RESOPAL MFB 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.	<ul style="list-style-type: none"> Data Sheet - Surface Gloss and Surface Brightness - EN 																				

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