

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 c | ategory | Credit | Requirement - RESOPAL product contribution | Points |
|--------------|--|--|---|---------------------|
| | | Building Product Disclosure and Optimi- zation - Environmental Product Declarations | Option 1 Environmental Product Declaration (EPD) - Product with conforming life cycle analysis | 1 pt |
| D 0 - | MR Materials and Resources | 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 |
| | | i umamiga | 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 |





| Critorion | Poguirome | nt - DESOPAL product contribution - Documentation | | | |
|--|---|--|--|--|--|
| Criterion | • | nt - RESOPAL product contribution - Documentation | | | |
| Building Product Disclosure and | USE A CERTAIN NUMBER OF PRODUCTS WITH AN ENVIRONMENTAL PRODUCT DECLARATION IN COMPLIANCE WITH THE REFERENCE CRITERIA. | | | | |
| Optimization - Environmental Product Declarations Option 1 Environmental Product Declaration (EPD) | 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. • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN | | | |
| | USE A CERT | AIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. | | | |
| Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice | 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). • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN | | | |
| | | ONENTS COMPRISING AT LEAST 5% OF THE WEIGHT OF A FURNISHING MUST CONTAIN LESS PM OF AT LEAST 4 OF THE 5 CHEMICAL GROUPS. | | | |
| Furniture and Medical Furnishings Option 1 Minimal chemical content and / or Option 2 Testing and modeling of chemical content | He: Up to 2 pts | Chemically inert material Direct influence: RESOPAL Compact - 0% urea formaldehyde - 0% heavy metals including mercury, cadmium, lead and antimony - 0% heavalent 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 Compact 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 Compact has very low VOC emissions. • Certificate of conformity RESOPAL HPL and RESOPAL Compact composition - DE - EN • RESOPAL declaration - REACH regulation - EN • Declaration of conformity ROHS - DE - EN | | | |
| | | CTS THAT MEET ONE OF THE FOLLOWING CRITERIA: IT ENVIRONMENTAL PRODUCT DECLARATION BLE SUPPLY | | | |
| Furniture and Medical Furnishings Option 3 Multi-attribute assessment of products | 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 Compact 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 • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN • PEFC-Certificate - EN • FSC®-Certificate - EN | | | |





| Requireme | ement - RESOPAL product contribution - Documentation | | | | | | | |
|------------|---|--|---|--|---|---|--|--|
| RESPECT TH | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CLADDING PRODUCTS. | | | | | | | |
| | Product respecting TVOC and formaldehyde emission thresholds Direct influence: RESOPAL Compact is a low-emitting material confirmed by a third-party testing institute. RESOPAL Compact 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. | | | | | | | |
| | | Regulation | TVOC | | Formalde | hyde | | |
| | | | | | | | | |
| | | | limit | value | limit | value | | |
| | RESOPAL Compact WALL SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 24 | | |
| | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | | |
| | RESOPAL Compact DOOR SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | | |
| | | Classification | TVOC Formaldehyde MAXIMUM CONCENTRATIONS (µg/m³) - | | | | | |
| | | | | | | value | | |
| | RESOPAL Compact WALL SCENARIO | А | < 1500 | < 2 | < 60 | 24 | | |
| | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | A+ | < 1000 | < 2 | < 10 | < 3 | | |
| | RESOPAL Compact DOOR SCENARIO | A+ | < 1000 | < 2 | < 10 | < 3 | | |
| | VOC Emission test report - Wall - RESOPAL Compact - EN VOC Emission test report - Door - RESOPAL Compact - EN VOC Emission test report - Wall - RESOPAL Compact Traceless Premium - EN | | | | | | | |
| | | | | um - EN | | | | |
| CHOOSE 4 | | PAL Compact Tra | celess Premi | | | | | |
| | RESPECT TH | RESPECT THE STANDARD METHOD V1.1-2010 F PRODUCTS. Product respecting TVOC and d Direct influence: RESOPAL Compact testing institute. RESOPAL Compact indoor air quality, in accordance wi Environmental Protection Agency (I (Blauer Engel) certification and other RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO NOTE: French VOC labelling In the framework of the French VOC in accordance with the ISO 16000 s classification: RESOPAL Compact WALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO • VOC Emission test report - Wall - RESO | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENT PRODUCTS. Product respecting TVOC and formaldehyde Direct influence: RESOPAL Compact is a low-emitti testing institute. RESOPAL Compact complies with indoor air quality, in accordance with the emissions Environmental Protection Agency (EPA), the State of (Blauer Engel) certification and other internationall Regulation RESOPAL Compact WALL SCENARIO ABG/AgBB RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS ABG/AgBB NOTE: French VOC labelling In the framework of the French VOC label, Resopal in accordance with the ISO 16000 standard. RESOFIC classification: Classification RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS A+ RESOPAL Compact WALL SCENARIO A+ • VOC Emission test report - Wall - RESOPAL Compact - EI | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR TH PRODUCTS. Product respecting TVOC and formaldehyde emission Direct influence: RESOPAL Compact is a low-emitting materia testing institute. RESOPAL Compact complies with the strictes indoor air quality, in accordance with the emissions criteria us Environmental Protection Agency (EPA), the State of California (Blauer Engel) certification and other internationally known put Regulation RESOPAL Compact WALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIO RESOPAL Compact DOOR SCENARIO NOTE: French VOC labelling In the framework of the French VOC label, Resopal measures in accordance with the ISO 16000 standard. RESOPAL Compact classification: Classification TVOC MAXIMUM MEASURED Imit RESOPAL Compact WALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO A+ < 1000 • VOC Emission test report - Wall - RESOPAL Compact - EN | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CPRODUCTS. Product respecting TVOC and formaldehyde emission threshold Direct influence: RESOPAL Compact is a low-emitting material confirmed testing institute. RESOPAL Compact complies with the strictest requirem indoor air quality, in accordance with the emissions criteria used by the University Environmental Protection Agency (EPA), the State of California, the Germ (Blauer Engel) certification and other internationally known public health Regulation RESOPAL Compact WALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO NOTE: French VOC labelling In the framework of the French VOC label, Resopal measures VOC emiss in accordance with the ISO 16000 standard. RESOPAL Compact has received assification: Classification TVOC MAXIMUM CONCENTRA MEASURED AFTER 28 DA Imit Walue RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO A+ < 1000 < 2 • VOC Emission test report - Wall - RESOPAL Compact - EN | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CL/PRODUCTS. Product respecting TVOC and formaldehyde emission thresholds Direct influence: RESOPAL Compact is a low-emitting material confirmed by a third-testing institute. RESOPAL Compact complies with the strictest requirements in term indoor air quality, in accordance with the emissions criteria used by the United State Environmental Protection Agency (EPA), the State of California, the German Blue An (Blauer Engel) certification and other internationally known public health agencies. Regulation TVOC Formalde MAXIMUM CONCENTRATIONS (µg/m²) MASURED AFTER 28 DAYS Ilimit value limit Value limit NOTE: French VOC labelling In the framework of the French VOC label, Resopal measures VOC emissions from it in accordance with the ISO 16000 standard. RESOPAL Compact has received the for classification: Classification TVOC MAXIMUM CONCENTRATIONS (µg/m²) MEASURED AFTER 28 DAYS Ilimit value limit RESOPAL TRACELESS PREMIUM RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS A+ < 1000 < 2 < 60 | | |

Download all documentation proofs here



• Data Sheet - Surface Gloss and Surface Brightness - EN







☑ 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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| | MR Materials and Resources | 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 |





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|--|---|---|--|--|
| Criterion | Requireme | ent - RESOPAL product contribution - Documentation | | |
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| Decil dies es December et | USE A CERT | TAIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. | | |
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| | USE A CERT | TAIN NUMBER OF PRODUCTS WITH PRE-EVALUATED COMPONENTS. | | |
| Building Product Disclosure and Optimization - Material Ingredients Option 3 Material ingredient optimization | 1 pt | Chemically inert material Direct influence: RESOPAL Compact - 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 Compact 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 Compact has very low VOC emissions. • Certificate of conformity RESOPAL HPL and RESOPAL Compact composition - DE - EN • RESOPAL declaration - REACH regulation - EN • Declaration of conformity ROHS - DE - EN | | |





| | Requireme | ent - RESOPAL product contribution - Documentation | | | | | | |
|--|--|---|--|--|--|---|------------------|--|
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| | | | Regulation | TVOC | | Formalde | hyde | |
| | | | | | CONCENTRAT | | | |
| | | | | limit | value | limit | value | |
| | | RESOPAL Compact WALL SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 24 | |
| Low-Emitting Materials Option 1 | Up to 3 pts | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | |
| Product category calculations | | RESOPAL Compact DOOR SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | |
| | | | Classification | TVOC Formaldehyde MAXIMUM CONCENTRATIONS (µg/m³) - | | | | |
| | | | | | | | | |
| | | | | | value | YS | - | |
| | | RESOPAL Compact WALL SCENARIO | A | limit < 1500 | value < 2 | | | |
| | | RESOPAL Compact WALL SCENARIO RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | A A+ | limit | value | limit | value | |
| | | RESOPAL TRACELESS PREMIUM | | limit < 1500 | value < 2 | limit < 60 | value | |
| | | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | A+ PAL HPL - EN OPAL HPL - EN | limit < 1500 < 1000 < 1000 | value < 2 < 2 < 2 | limit < 60 < 10 | value 24 < 3 | |
| | CHOOSE 4 | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO • VOC Emission test report - Wall - RESO • VOC Emission test report - Door - RESO | A+ DPAL HPL - EN DPAL HPL - EN DPAL HPL Traceles | limit | value < 2 < 2 < 2 < 2 | limit < 60 < 10 | value 24 < 3 | |
| Interior Lighting Option 2 Lighting quality | CHOOSE 4 | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS RESOPAL Compact DOOR SCENARIO • VOC Emission test report - Wall - RESO • VOC Emission test report - Door - RESO • VOC Emission test report - Wall - RESO | A+ OPAL HPL - EN OPAL HPL - EN OPAL HPL Traceles IAT GUARANTE or calculation ta walls and ceilir cors (plain, woo daylight factor p | limit < 1500 < 1000 < 1000 s Premium - I E QUALITY akes accoungs. d, material percentages | value < 2 < 2 < 2 < 2 LIGHTING. ant of differences, RESOPA s: Its light re- | limit < 60 < 10 < 10 Int factors int L Compact effectance were | value 24 < 3 < 3 | |

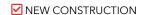
Download all documentation proofs here



• Data Sheet - Surface Gloss and Surface Brightness - EN







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 c | ategory | Credit | Requirement - RESOPAL product contribution | Points |
|--------------|--|--|---|---------------------|
| | | Building Product Disclosure and Optimi- zation - Environmental Product Declarations | Option 1 Environmental Product Declaration (EPD) - Product with conforming life cycle analysis | 1 pt |
| D 0 - | MR Materials and Resources | 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 |
| | | i umamiga | 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 |





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|--|--|---|--|--|
| Criterion | Requireme | ent - RESOPAL product contribution - Documentation | | |
| Building Product Disclosure and Optimization - | USE A CERTAIN NUMBER OF PRODUCTS WITH AN ENVIRONMENTAL PRODUCT DECLARATION IN COMPLIANCE WITH THE REFERENCE CRITERIA. | | | |
| Environmental Product Declarations Option 1 Environmental Product Declaration (EPD) | 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. • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN | | |
| | USE A CERT | AIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. | | |
| Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice | 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 • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN • Self-declared environmental claim - RESOPAL HPL - DE - EN | | |
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| | | ICTS THAT MEET ONE OF THE FOLLOWING CRITERIA: NT ENVIRONMENTAL PRODUCT DECLARATION BLE SUPPLY | | |
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| Criterion | Requireme | quirement - RESOPAL product contribution - Documentation | | | | | | | |
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| | | | Regulation | туос | TVOC | | hyde | | |
| | | | | | CONCENTRATE OF AFTER 28 DA | l ΓΙΟΝS (μg/m³) .YS | | | |
| | | | | limit | value | limit | value | | |
| | | RESOPAL HPL WALL SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 18 | | |
| Low-Emitting Materials Option 1 | | RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | | |
| Product category calculations | Up to 3 pts | RESOPAL HPL DOOR SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 4.3 | | |
| | | | Classification | TVOC Formaldehyde MAXIMUM CONCENTRATIONS (μg/m³) - | | | | | |
| | | | | | AFTER 28 DA | | | | |
| | | | | 1::. | | 1:: | | | |
| | | RESOPAL HPL WALL SCENARIO | A | limit < 1500 | value < 2 | limit < 60 | value | | |
| | | RESOPAL HPL WALL SCENARIO RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS | A A+ | | | | value | | |
| | | RESOPAL HPL TRACELESS | | < 1500 | < 2 | < 60 | value 18 | | |
| | | RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS | A+ RESOPAL HPL - EN - RESOPAL HPL - EN | < 1500 < 1000 < 1000 | < 2 < 2 < 2 | < 60 < 10 | value 18 < 3 | | |
| | CHOOSE 4 | RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS RESOPAL HPL DOOR SCENARIO • VOC Emission test report - Wall - • VOC Emission test report - Door | A+ RESOPAL HPL - EN - RESOPAL HPL - EN RESOPAL HPL Tracel | < 1500 < 1000 < 1000 ess Premium - E | < 2 < 2 < 2 < 2 | < 60 < 10 < 10 | value 18 < 3 | | |

Download all documentation proofs here



 \bullet Data Sheet - Surface Gloss and Surface Brightness - EN





■ NEW CONSTRUCTION

☑ REFURBISHMENT

HIGH PRESSURE LAMINATE - RESOPAL® HPL INTERIOR FITTING

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

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| Environmental Product Declarations Option 1 Environmental Product Declaration (EPD) | 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. • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN | | |
| | USE A CERT | AIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. | | |
| Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice | 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 • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN • Self-declared environmental claim - RESOPAL HPL - DE - EN | | |
| | USE A CERT | AIN NUMBER OF PRODUCTS WITH PRE-EVALUATED COMPONENTS. | | |
| Building Product Disclosure and Optimization - Material Ingredients Option 3 Material ingredient optimization | 1 pt | 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. • Certificate of conformity RESOPAL HPL and RESOPAL Compact composition - DE - EN • RESOPAL declaration - REACH regulation - EN • Declaration of conformity ROHS - DE - EN | | |





| Criterion | Requireme | ent - RESOPAL product contr | ibution - Docum | entation | | | | | |
|---------------------------------------|-------------|--|-----------------|---|--------------------------|-------------------------|-------|--|--|
| | RESPECT TH | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CLADDING PRODUCTS. | | | | | | | |
| | | Product respecting TVOC and formaldehyde emission thresholds 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. | | | | | | | |
| | | | Regulation | TVOC | | Formalde | hyde | | |
| | | | | | CONCENTRA AFTER 28 DA | TIONS (µg/m³) √S | | | |
| | | | | limit | value | limit | value | | |
| | | RESOPAL HPL WALL SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 18 | | |
| .ow-Emitting Materials Option 1 | Up to 3 pts | RESOPAL HPL TRACELESS PREMIUM ALL SCENARIOS | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | < 3 | | |
| Product category calculations | | RESOPAL HPL DOOR SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 4.3 | | |
| | | | Classification | TVOC Formaldehyde MAXIMUM CONCENTRATIONS (µg/m³) - | | | | | |
| | | | | MEASURED 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 | | |
| | | 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 | | | | | | | |
| | CHOOSE 4 | OF THE 8 SOLUTIONS AVAILABL | LE THAT GUARANT | EE QUALITY | LIGHTING. | | | | |
| Interior Lighting Option 2 | | 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 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. | | | | | | | |

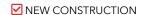
Download all documentation proofs here



• Data Sheet - Surface Gloss and Surface Brightness - EN







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 |
|-----------------|---|--|---|---------------------|
| | MR Materials and Resources | Building Product Disclosure and Optimi- zation - 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 | |
| | | 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.





| Criterion | Requireme | ent - RESOPAL product contribution - Documentation |
|--|--------------------|--|
| Building Product Disclosure and | USE A CERT | AIN NUMBER OF PRODUCTS WITH AN ENVIRONMENTAL PRODUCT DECLARATION IN CE WITH THE REFERENCE CRITERIA. |
| Optimization - Environmental Product Declarations Option 1 Environmental Product Declaration (EPD) | 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. • 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 |
| | USE A CERT | AIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. |
| Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice | 1 pt | Product made from PEFC or FSC® certified wood RESOPAL MFB is: - 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. • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN |
| | | ONENTS COMPRISING AT LEAST 5% OF THE WEIGHT OF A FURNISHING MUST CONTAIN LESS PM OF AT LEAST 4 OF THE 5 CHEMICAL GROUPS. |
| Furniture and Medical Furnishings Option 1 Minimal chemical content and / or Option 2 Testing and modeling of chemical content | He: Up to 2 pts | Chemically inert material Direct influence: RESOPAL MFB - 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. • 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 | | | | |
|---|--|---|--|--|--|
| | USE PRODUCTS THAT MEET ONE OF THE FOLLOWING CRITERIA: - COMPLIANT ENVIRONMENTAL PRODUCT DECLARATION - RESPONSIBLE SUPPLY | | | | |
| Furniture and Medical Furnishings Option 3 Multi-attribute assessment of products | 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 • 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 • PEC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN | | | |



| Criterion | Requireme | uirement - RESOPAL product contribution - Documentation | | | | | | |
|---|--|--|------------------------|----------|-------------------------------|-------|--|--|
| | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CLADDING PRODUCTS. | | | | | | | |
| Low-Emitting Materials Option 1 Product category | | Product respecting TVOC and formula in the framework of the French VOC in accordance with the ISO 16000 structure classification: | Clabel, Resopal measur | res VOC | emissions from its pro | ducts | | |
| calculations | | | MAXIMUM CONCENTRATIO | NS (μg/m | 3) - MEASURED AFTER 28 DA | YS | | |
| or Option 2 | Up to 3 pts | | limit | value | limit | value | | |
| Budget calculation method | | RESOPAL MFB CHIPBOARD - STANDARD QUALITY | < 1000 190 μg/m³ | A+ | < 10 8.6 μg/m³ | A+ | | |
| | | RESOPAL TRACELESS FACED BOARD | < 1000 140 μg/m³ | A+ | < 60 46 μg/m³ | Α | | |
| | | VOC Emission test report - RESOPAL MFB - EN VOC Emission test report - RESOPAL Traceless Faced Board - EN | | | | | | |
| | CHOOSE 4 | OF THE 8 SOLUTIONS AVAILABLE TH | AT GUARANTEE QUAL | ITY LIGH | ITING. | | | |
| Interior Lighting Option 2 Lighting quality | O: 1 pt Ho: 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. • Data Sheet - Surface Gloss and Surface Brightness - EN | | | | | | |

Download all documentation proofs here







■ NEW CONSTRUCTION

☑ REFURBISHMENT

MELAMINE-FACED BOARD - RESOPAL® MFB 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 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 |
|-----------------|---|---|---|-------------|
| | MR Materials and Resources | Building Product Disclosure and Optimi- zation - 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 |

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



Material ingredient

optimization



| Criterion | Requirement - RESOPAL product contribution - Documentation | | | |
|--|--|--|--|--|
| Building Product Disclosure and | USE A CERTAIN NUMBER OF PRODUCTS WITH AN ENVIRONMENTAL PRODUCT DECLARATION IN COMPLIANCE WITH THE REFERENCE CRITERIA. | | | |
| Optimization - Environmental Product Declarations Option 1 Environmental Product Declaration (EPD) | 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. • 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 | | | |
| | USE A CERTAIN NUMBER OF PRODUCTS FROM RESPONSIBLE SUPPLY SOURCES. | | | |
| Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2 Leadership extraction practice | Product made from PEFC or FSC® certified wood RESOPAL MFB is: - 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 or 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. • PEFC-Certificate - EN • FSC®-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN | | | |
| | USE A CERTAIN NUMBER OF PRODUCTS WITH PRE-EVALUATED COMPONENTS. | | | |
| Building Product Disclosure and Optimization - Material Ingredients Option 3 | Chemically inert material Direct influence: RESOPAL MFB - 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.) 1 pt 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.

 \bullet 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

Building environmental data sheet - LEED - Refurbishment - Melamine-Faced Board - RESOPAL MFB - EN - All rights reserved. Subject to modifications, please contact us.

EQ - Indoor Environmental Quality



| Criterion | Requirement - RESOPAL product contribution - Documentation | | | | | | |
|---|--|---|-------------------|----------|-----------------------|-------|--|
| | RESPECT THE STANDARD METHOD V1.1-2010 F REQUIREMENTS FOR THE WALL / CEILING CLADDING PRODUCTS. | | | | | | |
| Low-Emitting Materials | | 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: | | | | | |
| Option 1 Product category | | | TVOC | | Formaldehyde | | |
| calculations | Up to 3 pts | MAXIMUM CONCENTRATIONS (μg/m³) - MEASURED AFTER : | | | | YS | |
| Option 2 | | | limit | value | limit | value | |
| Budget calculation method | | RESOPAL MFB CHIPBOARD - STANDARD QUALITY | < 1000 190 μg/m³ | A+ | < 10 8.6 μg/m³ | A+ | |
| | | RESOPAL TRACELESS FACED BOARD | < 1000 140 μg/m³ | A+ | < 60 46 μg/m³ | Α | |
| | | VOC Emission test report - RESOPAL MFB - EN VOC Emission test report - RESOPAL Traceless Faced Board - EN | | | | | |
| | CHOOSE 4 | OF THE 8 SOLUTIONS AVAILABLE TH | AT GUARANTEE QUAL | ITY LIGH | HTING. | | |
| Interior Lighting Option 2 Lighting quality | 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. • Data Sheet - Surface Gloss and Surface Brightness - EN | | | | | |

Download all documentation proofs here



