

RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET







 NEW CONSTRUCTION

 REFURBISHMENT

COMPACT HPL - RESOPAL® COMPACT 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 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.

| 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 | Exemplary level of performance Earn exemplary performance points with RESOPAL Compact | Up to 3 pts |
| | | | 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 Compact 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 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.</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 Compact WALL SCENARIO</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>24</td> </tr> <tr> <td>RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>< 3</td> </tr> <tr> <td>RESOPAL Compact DOOR SCENARIO</td> <td>ABG/AgBB</td> <td>≤ 1000</td> <td>< 5</td> <td>≤ 100</td> <td>< 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 Compact 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 Compact WALL SCENARIO</td> <td>A</td> <td>< 1500</td> <td>< 2</td> <td>< 60</td> <td>24</td> </tr> <tr> <td>RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS</td> <td>A+</td> <td>< 1000</td> <td>< 2</td> <td>< 10</td> <td>< 3</td> </tr> <tr> <td>RESOPAL Compact DOOR SCENARIO</td> <td>A+</td> <td>< 1000</td> <td>< 2</td> <td>< 10</td> <td>< 3</td> </tr> </tbody> </table> <ul style="list-style-type: none"> 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 | | Regulation | TVOC | | Formaldehyde | | MAXIMUM CONCENTRATIONS (µg/m ³) - MEASURED AFTER 28 DAYS | | | | | | 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/m ³) - MEASURED AFTER 28 DAYS | | | | | | limit | value | limit | value | RESOPAL Compact WALL SCENARIO | A | < 1500 | < 2 | < 60 | 24 | RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | A+ | < 1000 | < 2 | < 10 | < 3 | RESOPAL Compact DOOR SCENARIO | A+ | < 1000 | < 2 | < 10 |
| | Regulation | TVOC | | | Formaldehyde | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | MAXIMUM CONCENTRATIONS (µg/m ³) - MEASURED AFTER 28 DAYS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | limit | value | limit | value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESOPAL Compact WALL SCENARIO | ABG/AgBB | ≤ 1000 | < 5 | ≤ 100 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| RESOPAL TRACELESS PREMIUM Compact ALL SCENARIOS | A+ | < 1000 | < 2 | < 10 | < 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 Compact 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 Compact</p> <p>Among the criteria that earn exemplary performance points, two concern RESOPAL Compact:</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

