

RESOPAL® BUILDING ENVIRONMENTAL DATA SHEET


 NEW CONSTRUCTION




 REFURBISHMENT

COMPACT HPL - RESOPAL® COMPACT INTERIOR FITTING

DGNB (Version 2018/International)

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.

Requirements Topic	Requirements Criteria group & Name	Requirements - RESOPAL product contribution	Quality levels*
 ENV ENVIRONMENTAL QUALITY	ENV 1.1 Building Life Cycle Assessment	Environmental Product Declaration (EPD) - Product with compliant life cycle analysis. The durability of the product with respect to the BNB ¹⁾ rules for the product service life depends on the type of application (for example): Front-door: 40 years Wall-cladding: 50 years	The relevance and contribution to the LCA-result for the whole building depends on the mass of installed product and its service lifetime.
	ENV 1.2 Local environmental impact	For the application as an interior wall covering RESOPAL Compact contributes to line 44 and 47a of annex 1: REACH conform: SVHC < 0.1% RESOPAL Compact and RESOPAL Traceless Premium Compact are verified and approved according to the requirements of Indoor-Air-Comfort Gold; thus, RESOPAL Compact is in compliance with the German Blue Angel Standard DE-UZ 76 for VOC & Formaldehyde emissions.	Quality level 4
	ENV 1.3 Sustainable resource extraction	Raw material extraction and processing complies with recognized ecological and social standards. Product is based on PEFC or FSC® certified wood. No chemical wood preservative in the interior. RESOPAL Compact is available also as 100% PEFC- as well as FSC® certified material; this has to be explicitly ordered on request and based on credits availability.	The relevance and contribution to the ENV1.3 result for the whole building depends on the value (€) of installed product.

Requirements Topic		Requirements Criteria group & Name	Requirements - RESOPAL product contribution	Quality levels*
 SOC SOCIO-CULTURAL AND FUNCTIONAL QUALITY		SOC 1.2 Indoor air quality	<p>The product fulfills TVOC and formaldehyde emission thresholds and complies with the AgBB criteria.</p> <p>RESOPAL Compact is verified and approved according to the requirements of Indoor-Air-Comfort Gold; thus, RESOPAL Compact is in compliance with the German Blue Angel Standard DE-UZ 76 for emissions.</p> <p>Approved allergy-friendly quality of RESOPAL Compact and RESOPAL Traceless Premium Compact is certified by the European Centre for Allergy Research Foundation (ECARF).</p>	<p>The installation of RESOPAL Compact wall coverings supports the realization of the highest DGNB-level of indoor air quality.</p>
		 TEC TECHNICAL QUALITY	TEC 1.5 Ease of cleaning	<p>RESOPAL Compact, and RESOPAL Traceless Premium Compact have particularly good resistance to many agents due to their surface. The homogeneous and non-porous surface is resistant to stains, easy to clean and disinfect.</p> <p>The product fulfills the highest level of hygiene standards also with antibacterial surfaces.</p>
		TEC 1.6 Ease of recovery and recycling	<p>RESOPAL Compact as a thermoset compound material cannot be separated into the basic materials which are paper (>60%) and cured thermosets resins (30 to 40%). Thus, at the end of the service lifetime the material is dedicated to incineration. (Thermal recovery 100%).</p> <p>The RESOPAL Compact material as itself will be tailor-made and is usually most mechanically fixed.</p> <p>RESOPAL Compact HPL panels are designed to generate minimal additional waste during disassembly, especially when they are mechanically mounted/installed.</p> <p>The influence on the DGNB result depends on the materials contribution to the 4 dominating construction elements of indoor walls. (When RESOPAL Compact is used for more than 20% of the wall area of a building which is a positive contribution as the panel is mechanically fixed, so it can be easily separated).</p> <p>Only these are analyzed with respect to their contribution to deconstruction and recycling of the building.</p>	<p>RESOPAL Compact in most cases is not a constructional part of the four main types of interior walls; thus, the installation will have no impact on the DGNB-result.</p>
 PRO PROCESS QUALITY		PRO2.1 Site process Low-waste construction site	<p>RESOPAL Compact has low waste due to high degree of prefabrication.</p>	<p>Valuable product information - no quality level assigned.</p>

* DGNB applies a project-specific assessment, and it is not possible to specify rating points, but quality levels, which will contribute in a positive way to the overall performance building. Therefore DGNB Silver, Gold and Platinum ratings result from the overall fulfillment of the building project.

¹⁾ BNB = The German Federal Information Portal on the Assessment System for Sustainable Building.



ENV - ENVIRONMENTAL QUALITY

Criteria group & Name	Quality levels	Requirements - RESOPAL product contribution - Documentation
ENV 1.1 Building Life Cycle Assessment	The relevance and contribution to the quality level of the whole building depends on the mass of installed product and its service life.	<p>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.</p> <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN
ENV 1.2 Local environmental impact	Quality level 4	<p>RESOPAL Compact boards do not contain hazardous substances within the meaning of the Chemicals Act with non-hazardous or dangerous reactions.</p> <p>Approved allergy-friendly quality of RESOPAL Compact and RESOPAL Traceless Premium Compact is certified by the European Centre for Allergy Research Foundation (ECARF).</p> <ul style="list-style-type: none"> • Manufacturer's SVHC-declaration/RESOPAL declaration - REACH regulation - EN • RESOPAL declaration of conformity RoHS - DE - EN • Certificate of conformity RESOPAL HPL and RESOPAL Compact composition - DE - EN • VOC Emission test report - DE-UZ 76 (Blue Angel) - RESOPAL Compact - EN • Attestation DE-UZ 76 for emissions (Blue Angel) - RESOPAL Compact - EN • RESOPAL Compact product data sheet - EN • ECARF-Certificate - RESOPAL Compact - EN • ECARF-Certificate - RESOPAL Traceless Premium - EN <p>Important notice: In greater material thickness, i.e., over 5 mm, RESOPAL Compact panels are extremely dimensionally stable and therefore self-supporting. Due to the high modulus of elasticity, the material also offers the advantage of high bending stiffness. In addition to their decorative and resistant surface, RESOPAL Compact panels are characterized by their homogeneous and closed edge (narrow surface). In general, special edge protection such as coating, or lacquering is not required for RESOPAL Compact. If the edge is to remain visible, there are a wide range of design options, as the edge can be machined.</p>
ENV 1.3 Sustainable resource extraction	Quality level 1.2 up to 1.3	<p>Product made from PEFC or FSC® certified wood*</p> <p>Direct influence: RESOPAL Compact meets 2 responsible sourcing and supply criteria:</p> <ul style="list-style-type: none"> - 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 (FSC® Controlled Wood certified products are only available to FSC® Controlled Wood certified customers; all products are subject to the certification of our suppliers and availability of stock). <p>RESOPAL Compact at least complies to FSC® Mix or PEFC 70% (both = DGNB Quality level 1.2) RESOPAL Compact is available also as 100% PEFC- as well as FSC® certified material (both = DGNB Quality level 1.3); this has to be explicitly ordered on request and based on credits availability.</p> <ul style="list-style-type: none"> • PEFC-Certificate - EN • FSC®-Certificate - EN • Declaration European Timber Regulation (EUTR) - EN <p>*This is a product label, recognized by DGNB: https://www.dgnb-system.de/en/system/label-recognition/, which aim to help you to make a quick and reliable assessment if our quality conforms to your project requirements.</p>



SOC - SOCIOCULTURAL AND FUNCTIONAL QUALITY

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<p>SOC 1.2 Indoor air quality</p>	<p>The installation of RESOPAL Compact wall coverings supports the realization of the highest DGNB-level of indoor air quality</p>	<p>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.</p>																																
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		<p>NOTE: French VOC labelling In the framework of the AgBB shema and the German Blue Angel (Blauer Engel) certification, RESOPAL measures VOC emissions from its products in accordance with the ISO 16000 standard. RESOPAL Compact has received the following classification:</p>																																
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TEC - TECHNICAL QUALITY

Criteria group & Name	Quality levels	Requirements - RESOPAL product contribution - Documentation
TEC 1.5 Ease of cleaning	Valuable product information - no quality level assigned.	<p>RESOPAL Compact, and RESOPAL Traceless Premium Compact have particularly good resistance to many agents due to their surface. The homogeneous and non-porous surface is resistant to stains, easy to clean and disinfect.</p> <p>The product fulfills the highest level of hygiene standards also with antibacterial surfaces.</p> <ul style="list-style-type: none"> • Cleaning & care instructions - EN • Data sheet resistance of RESOPAL Compact - EN • Data sheet disinfectant resistance RESOPAL surfaces - EN • Expert's opinion antibacterial efficacy (ISEGA) - EN • Certificate of compliance foodstuff (ISEGA) - EN • Test report of decontaminability - RESOPAL Compact - EN
TEC 1.6 Ease of recovery and recycling	RESOPAL Compact in most cases is not a constructional part of the four main types of interior walls; thus, the installation will have no impact on the DGNB-result	<p>As RESOPAL Compact regularly is not a constructional part of the four main types of interior walls; thus, the installation will have no impact on the DGNB-result focusing on the ease of deconstruction and recovery of the building.</p> <p>RESOPAL Compact can be disposed of at controlled waste disposal facilities (e.g., landfills) that comply with current national and regional regulations. According to the regulation on the European Waste Catalog, Compact waste is classified with the code 200301 (mixed municipal waste).</p> <p>RESOPAL Compact is particularly suitable for thermal recycling due to its high calorific value (18-20 MJ/kg) and meets the requirements for energy recovery in accordance with § 8 of the German Recycling Management Act. The conditions for good combustion are met in modern, officially approved industrial incineration facilities. The ashes from these incineration processes can be brought to controlled landfills.</p> <p>RESOPAL Compact HPL panels are designed to generate minimal additional waste during disassembly, especially when they are mechanically mounted/installed.</p> <ul style="list-style-type: none"> • Environmental Product Declaration (EPD) - EN • Environmental Product Declaration (EPD) - background information - EN • RESOPAL Compact product data sheet - EN

PRO - PROCESS QUALITY



Criteria group & Name	Quality levels	Requirements - RESOPAL product contribution - Documentation
PRO2.1 Site process Low-waste construction site	Valuable product information - no quality level assigned.	RESOPAL Compact has low waste due to high degree of prefabrication.

Download all documentation proofs here

