

HIGH PRESSURE LAMINATE POLYREY HPL®

Interior Fitting






Code for a sustainable built environment

 NEW CONSTRUCTION
 REFURBISHMENT


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...) and to the materials, products and equipment within it. Depending on the certification, the table here below shows how the Polyrey product fulfils the requirements and with which level of performance. The following pages outline each of the requirements, and details how the Polyrey product is concerned and answers them. At the end of the document you will find a clickable link allowing access to the documentary proofs.

Section		Issue	Criterion - Polyrey product contribution	Points
 HEA Health and well-being		Hea 01 Visual comfort	Daylighting Product easing natural lightening	O : 1 pt R : 2 pts Ho : 1 pt
		Hea 02 Indoor air quality	Emissions from building products Product Greenguard Gold certified and with very low TVOC and formaldehyde emissions	1 pt
 MAT Materials		Mat 01 Life cycle impacts	Life cycle assessment (LCA) Product with conform life cycle analysis	Up to 5 pts
		Mat 03 Responsible sourcing of construction products	Environmental product declarations (EPD) Voluntary environmental declaration by an independent organisation	1 pt
			Legal timber-based products Wood environmental certifications	Prerequisite
			Responsible sourcing of construction products Product sourced responsibly	Up to 3 pts
 INN Innovation		Inn 01 Innovation	Exemplary level of performance Earn exemplary performance points with POLYREY HPL®	Up to 2 pts



Hea 01 - VISUAL COMFORT

Criterion	Requirement - Polyrey product contribution - Documentation	
	RESPECT A CERTAIN DAYLIGHT FACTOR (DF) PERCENTAGE FOR A MINIMUM SURFACE AREA IN THE PROJECT.	
Daylighting	0 : 1 pt R : 2 pts Ho : 1 pt	<p>Product easing 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. With its large range of over 300 decors (plain, wood, materials), Polyrey HPL® contributes to obtaining excellent daylight factor percentages: Its light reflectance values range from 0.04 for the N005 Black decor to 0.86 for the B117 Artic White decor.</p> <ul style="list-style-type: none"> • DOC - Light Reflectance Values



Hea 02 - INDOOR AIR QUALITY

Criterion	Requirement - Polyrey product contribution - Documentation																							
	USE PRODUCTS WHOSE EMISSION LEVELS RESPECT CERTAIN THRESHOLDS: FORMALDEHYDE < 60 µg/m³, TVOC < 1000 µg/m³ AND 1A AND 1B CARCINOGENIC SUBSTANCES < 1 µg/m³.																							
Emissions from building products	1 pt	<p>Product Greenguard Gold certified and with very low TVOC and formaldehyde emissions</p> <p>Direct influence: POLYREY HPL® is Greenguard Gold certified, label recognised by BREEAM to justify this requirement is respected (see Guidance Note GN22). Moreover, this label is internationally recognised as proof of compliance with the strictest requirements in terms of indoor air quality, in accordance with the emissions criterion 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> <p>The Greenguard Gold certification uses the strictest threshold limits to account for sensitive people (children and the elderly). Over 360 VOCs evaluated with a limit value for Total Volatile Organic Compounds (TVOC).</p> <table border="1"> <thead> <tr> <th rowspan="2">CLASSIFICATION</th> <th>COVT</th> <th>FORMALDEHYDE</th> </tr> <tr> <th colspan="2">MAXIMUM CONCENTRATIONS - MEASURED AFTER 7 DAYS</th> </tr> </thead> <tbody> <tr> <td>POLYREY HPL®</td> <td>≤ 0,22 0,007 µg/m³</td> <td>≤ 0,0073 0,007 ppm</td> </tr> </tbody> </table> <p>NOTA: French VOC labelling In the framework of the French VOC label, Polyrey measures VOC emissions from its products in accordance with the ISO 16000 standard. POLYREY HPL® has received the following classification:</p> <table border="1"> <thead> <tr> <th rowspan="2">CLASSIFICATION</th> <th>COVT</th> <th>FORMALDEHYDE</th> </tr> <tr> <th colspan="2">MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS</th> </tr> </thead> <tbody> <tr> <td>POLYREY HPL® WALL SCENARIO</td> <td>< 1000 7,2 µg/m³</td> <td>< 60 15 µg/m³</td> </tr> <tr> <td>POLYREY HPL® TOUCH FINISH ALL SCENARIOS</td> <td>< 1000 19 µg/m³</td> <td>< 10 7,4 µg/m³</td> </tr> <tr> <td>POLYREY HPL® DOOR SCENARIO</td> <td>< 1000 0,4 µg/m³</td> <td>< 10 0,8 µg/m³</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • ATT - Greenguard Gold certificate - Polyrey HPL - EN • PV - Report of classification COV - Wall - Polyrey HPL • PV - Report of classification COV - Door - Polyrey HPL - FR - EN • PV - Report of classification COV - Wall - Polyrey HPL Touch - FR - EN 	CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS - MEASURED AFTER 7 DAYS		POLYREY HPL®	≤ 0,22 0,007 µg/m³	≤ 0,0073 0,007 ppm	CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS		POLYREY HPL® WALL SCENARIO	< 1000 7,2 µg/m³	< 60 15 µg/m³	POLYREY HPL® TOUCH FINISH ALL SCENARIOS	< 1000 19 µg/m³	< 10 7,4 µg/m³	POLYREY HPL® DOOR SCENARIO	< 1000 0,4 µg/m³	< 10 0,8 µg/m³
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Mat 01 - LIFE CYCLE IMPACTS

Criterion	Requirement - Polyrey product contribution - Documentation	
	CALCULATE THE ENVIRONMENTAL IMPACT OF THE BUILDING THROUGH A LIFE CYCLE ANALYSIS INCLUDING AT LEAST CERTAIN PRODUCTS.	
Life cycle assessment (LCA)	Up to 5 pts	<p>Product with conform 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. Polyrey carries out Life Cycle Analysis (LCA) for its products and supplies the individual environmental declarations required for this calculation.</p> <ul style="list-style-type: none"> • ATT - FDES - Polyrey HPL contrecollé sur panneaux bois - FR • ATT - EPD - Polyrey HPL Bonded board - EN
	INSTALL A CERTAIN NUMBER OF PRODUCTS WITH COMPLIANT ENVIRONMENTAL DECLARATIONS.	
Environmental product declarations (EPD)	1 pt	<p>Voluntary environmental declaration by an independent organisation</p> <p>Direct influence: Polyrey has carried out Life Cycle Analysis (LCA) for POLYREY HPL® in compliance with the NF EN 15804:2012+A1:2014 standard.</p> <ul style="list-style-type: none"> • ATT - FDES - Polyrey HPL contrecollé sur panneaux bois - FR • ATT - EPD - Polyrey HPL Bonded board - EN



Mat 03 - RESPONSIBLE SOURCING OF CONSTRUCTION PRODUCTS

Criterion	Requirement - Polyrey 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™ (10-34-97) or FSC® CW (C068151) 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). NOTA: this criterion is also a prerequisite for the MAT03 - Responsible construction practices issue.</p> <ul style="list-style-type: none"> • ATT - PEFC Certificate - EN • ATT - FSC Certificate - EN • ATT - European Timber regulations RBUE - FR - 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™ (10-34-97) or FSC® CW (C068151) 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"> • ATT - PEFC Certificate - EN • ATT - FSC Certificate - EN



Inn 01 - INNOVATION

Criterion	Requirement - Polyrey 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 POLYREY HPL®</p> <p>Among the criteria that allow to earn exemplary performance points, two concerns the POLYREY HPL®:</p> <p>Mat 01 (1 pt) : When the maximum score is reach in the LCA tool.</p> <p>Mat 03 (1 pt) : When more products are sourced responsibly.</p>

MY EXPERT



Environmental advice

Do not hesitate to contact us. Our team is at your disposal to advise and support you.

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DOWNLOAD ALL DOCUMENTARY PROOFS HERE :

