

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. 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>

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Environmental advice

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BREEAM

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built environment

- NEW CONSTRUCTION
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International Non-Domestic Refurbishment 2015 (SD225 1.4)
Office (O) - Retail (R) - Hospitality (Ho)

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Section		Issue	Criterion - Polyrey product contribution	Points
	HEA Health and well-being	Hea 01 Visual comfort	Daylighting Product easing natural lightening	Up to 3 pts
	MAT Materials	Mat 01 Environmental impact of materials	Option 1 : Project life cycle assessment study Mastering the environmental impacts	Up to 6 pts
			Option 2 : Elemental assessment of environmental performance information Product with conform life cycle analysis	Up to 4 pts
	MAT Materials	Mat 03 Responsible sourcing of materials	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 4 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	Up to 3 pts	<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



Mat 01 - ENVIRONMENTAL IMPACT OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	CARRY OUT AN LCA TO GAUGE THE ENVIRONMENTAL IMPACT OF THE LIFE CYCLE OF RENOVATION OR CONSTRUCTION WORK.	
Option 1 - Project life cycle assessment study	Up to 6 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 - HPL bonded board - EN
Option 2 - Elemental assessment of environmental performance information	Up to 4 pts	Identical to option 1.
	HAVE THE RELEVANT ENVIRONMENTAL INFORMATION ON NEW PRODUCTS USED.	



Mat 03 - RESPONSIBLE SOURCING OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	ENSURE THAT THE WOOD USED IN PRODUCTS IS LEGALLY SOURCED.	
Legal timber-based products	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).</p> <p>NOTA : This criterion is also a prerequisite for the MAT 03 - 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
	USE PRODUCTS SOURCED FROM A RESPONSIBLE SECTOR.	
Responsible sourcing of materials (RSM)	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.																													
	Among the criteria that allow to earn exemplary performance points, three concerns the POLYREY HPL®.																													
	Hea 02 – Indoor Air Quality (1 to 2 pts)																													
	Up to 4 pts	Volatile organic compound (VOC) emission levels (products)	Up to 2 pts																											
	<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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <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 style="color: green; font-weight: bold;">GREENGUARD GOLD</td> <td>≤ 0,22 mg/m³ 0,007</td> <td>≤ 0,0073 ppm 0,007</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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <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 style="color: green; font-weight: bold;">A</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 style="color: green; font-weight: bold;">A +</td> <td>< 1000 19 µg/m³</td> <td>< 10 7,4 µg/m³</td> </tr> <tr> <td>POLYREY HPL® DOOR SCENARIO</td> <td style="color: green; font-weight: bold;">A +</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®	GREENGUARD GOLD	≤ 0,22 mg/m³ 0,007	≤ 0,0073 ppm 0,007		CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS		POLYREY HPL® WALL SCENARIO	A	< 1000 7,2 µg/m³	< 60 15 µg/m³	POLYREY HPL® TOUCH FINISH ALL SCENARIOS	A +	< 1000 19 µg/m³	< 10 7,4 µg/m³	POLYREY HPL® DOOR SCENARIO	A +	< 1000 0,4 µg/m³
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COMPACT HPL REYSIPUR®

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 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 REYSIPUR®	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.	
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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>Greenguard Gold certified product with very low TVOC and formaldehyde emissions</p> <p>Direct influence: REYSIPUR® 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>REYSIPUR®</td> <td>≤ 0,22 0,007 µg/m³</td> <td>≤ 0,0073 0,001 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. REYSIPUR® 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>REYSIPUR® WALL SCENARIO</td> <td>< 1000 2,9 µg/m³</td> <td>< 60 42 µg/m³</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • ATT - Greenguard Gold certificate - Reysipur - EN • PV - Report of classification COV - Wall - Reysipur 	CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS - MEASURED AFTER 7 DAYS		REYSIPUR®	≤ 0,22 0,007 µg/m³	≤ 0,0073 0,001 ppm	CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS		REYSIPUR® WALL SCENARIO	< 1000 2,9 µg/m³	< 60 42 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 - POLYREY - FDES - Reysipur - FR • ATT - POLYREY - EPD - Reysipur - 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 REYSIPUR® in compliance with the NF EN 15804:2012+A1:2014 standard.</p> <ul style="list-style-type: none"> • ATT - POLYREY - FDES - Reysipur - FR • ATT - POLYREY - EPD - Reysipur - 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 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 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 REYSIPUR® Among the criteria that allow to earn exemplary performance points, two concerns REYSIPUR®:</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>

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COMPACT HPL REYSIPUR®

Interior Fitting

BREEAM

Code for a sustainable
built environment
 NEW CONSTRUCTION

 REFURBISHMENT

International Non-Domestic Refurbishment 2015 (SD225 1.4)
Office (O) - Retail (R) - Hospitality (Ho)

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Section		Issue	Criterion - Polyrey product contribution	Points
	HEA Health and well-being	Hea 01 Visual comfort	Daylighting Product easing natural lightening	Up to 3 pts
	MAT Materials	Mat 01 Environmental impact of materials	Option 1 : Project life cycle assessment study Mastering the environmental impacts	Up to 6 pts
			or Option 2 : Elemental assessment of environmental performance information Product with conform life cycle analysis	Up to 4 pts
		Mat 03 Responsible sourcing of materials	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 REYSIPUR®	Up to 4 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	Up to 3 pts	<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), REYSIPUR® 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



Mat 01 - ENVIRONMENTAL IMPACT OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	CARRY OUT AN LCA TO GAUGE THE ENVIRONMENTAL IMPACT OF THE LIFE CYCLE OF RENOVATION OR CONSTRUCTION WORK.	
Option 1 - Project life cycle assessment study	Up to 6 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 - POLYREY - FDES - Reysipur - FR • ATT - POLYREY - EPD - Reysipur - EN
Option 2 - Elemental assessment of environmental performance information	Up to 4 pts	<p>HAVE THE RELEVANT ENVIRONMENTAL INFORMATION ON NEW PRODUCTS USED.</p> <p>Identical to option 1.</p>



Mat 03 - RESPONSIBLE SOURCING OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	ENSURE THAT THE WOOD USED IN PRODUCTS IS LEGALLY SOURCED.	
Legal timber-based products	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).</p> <p>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
	USE PRODUCTS SOURCED FROM A RESPONSIBLE SECTOR.	
Responsible sourcing of materials (RSM)	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.																						
	Among the criteria that allow to earn exemplary performance points, three concerns REYSIPUR®.																						
	Hea 02 – Indoor Air Quality (1 à 2 pts)																						
	Up to 4 pts	Volatile organic compound (VOC) emission levels (products)	Up to 2 pts																				
		<p>Greenguard Gold certified product with very low TVOC and formaldehyde emissions</p> <p>Direct influence: REYSIPUR® 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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <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>REYSIPUR®</td> <td style="color: green;">GREENGUARD GOLD</td> <td>≤ 0,22 0,007 µg/m³</td> <td>≤ 0,0073 0,001 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. REYSIPUR® has received the following classification:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <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>REYSIPUR® WALL SCENARIO</td> <td style="color: green;">A</td> <td>< 1000 2,9 µg/m³</td> <td>< 60 42 µg/m³</td> </tr> </tbody> </table> <p>• ATT - Greenguard Gold certificate - Reysipur - EN • PV - Report of classification COV - Wall - Reysipur</p>			CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS - MEASURED AFTER 7 DAYS		REYSIPUR®	GREENGUARD GOLD	≤ 0,22 0,007 µg/m³	≤ 0,0073 0,001 ppm		CLASSIFICATION	COVT	FORMALDEHYDE	MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS		REYSIPUR® WALL SCENARIO	A	< 1000 2,9 µg/m³	< 60 42 µg/m³
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Interior Fitting


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 NEW CONSTRUCTION
 REFURBISHMENT


International New Construction 2016 (SD233 2.0)
Office (O) - Retail (R) - Hospitality (Ho) - Healthcare (He)

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Section		Issue	Criterion - Polyrey product contribution	Points
 HEA Health and well-being		Hea 01 Visual comfort	Daylighting Product easing 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 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 PANOPREY®	Up to 2 pts



Hea 01 - VISUAL COMFORT

Criterion	Requirement - Polyrey product contribution - Documentation	
Daylighting	RESPECT A CERTAIN DAYLIGHT FACTOR (DF) PERCENTAGE FOR A MINIMUM SURFACE AREA IN THE PROJECT.	
	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 180 decors (plain, wood, materials), PANOPREY® 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																				
Emissions from building products	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.																				
	1 pt	<p>Product with very low TVOC and formaldehyde emissions</p> <p>In the framework of the French VOC label, Polyrey measures VOC emissions from its products in accordance with the ISO 16000 standard. PANOPREY® has received the following classification:</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">COVT</th> <th colspan="2">FORMALDEHYDE</th> </tr> <tr> <th colspan="4">MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS</th> </tr> </thead> <tbody> <tr> <td>PANOPREY® CHIPBOARD - STANDARD QUALITY</td> <td>< 1000 190 µg/m³</td> <td>A +</td> <td>< 10 8,6 µg/m³</td> <td>A +</td> </tr> <tr> <td>PANOPREY® TOUCH FINISH</td> <td>< 1000 140 µg/m³</td> <td>A +</td> <td>< 60 46 µg/m³</td> <td>A</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • PV - Report of classification COV - Panoprey - Chipboard - Standard quality - FR-EN • PV - Report of classification COV - Panoprey TOUCH - Chipboard faced MDF - FR-EN 		COVT		FORMALDEHYDE		MAXIMUM CONCENTRATIONS (µg/m³) - MEASURED AFTER 28 DAYS				PANOPREY® CHIPBOARD - STANDARD QUALITY	< 1000 190 µg/m³	A +	< 10 8,6 µg/m³	A +	PANOPREY® TOUCH FINISH	< 1000 140 µg/m³	A +	< 60 46 µg/m³	A
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Mat 01 - LIFE CYCLE IMPACTS

Criterion	Requirement - Polyrey 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 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"> • AIT - FDES - Panoprey - Qualite Standard - FR • AIT - FDES - Panoprey - Qualite Hydrofuge - FR • AIT - EPD - Panoprey - Standard quality - EN • AIT - EPD - Panoprey - Moisture resistant quality - EN
Environmental product declarations (EPD)	INSTALL A CERTAIN NUMBER OF PRODUCTS WITH COMPLIANT ENVIRONMENTAL DECLARATIONS.	
	1 pt	<p>Voluntary environmental declaration by an independent organisation</p> <p>Direct influence: Polyrey has carried out Life Cycle Analysis (LCA) for PANOPREY® in compliance with the NF EN 15804:2012+A1:2014, collective environmental declaration.</p> <ul style="list-style-type: none"> • AIT - FDES - Panoprey - Qualite Standard - FR • AIT - FDES - Panoprey - Qualite Hydrofuge - FR • AIT - EPD - Panoprey - Standard quality - EN • AIT - EPD - Panoprey - Moisture resistant quality - 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>PANOPREY® is:</p> <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™ (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>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.</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 PANOPREY®</p> <p>Among the criteria that allow to earn exemplary performance points, two concerns the PANOPREY®:</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>

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Mat 01 - ENVIRONMENTAL IMPACT OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	CARRY OUT AN LCA TO GAUGE THE ENVIRONMENTAL IMPACT OF THE LIFE CYCLE OF RENOVATION OR CONSTRUCTION WORK.	
Option 1 - Project life cycle assessment study	Up to 6 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 - Panoprey - Qualite Standard - FR • ATT - FDES - Panoprey - Qualite Hydrofuge - FR • ATT - EPD - Panoprey - Standard quality - EN • ATT - EPD - Panoprey - Moisture resistant quality - EN
Option 2 - Elemental assessment of environmental performance information	Up to 4 pts	Identical to option 1.



Mat 03 - RESPONSIBLE SOURCING OF MATERIALS

Criterion	Requirement - Polyrey product contribution - Documentation	
	ENSURE THAT THE WOOD USED IN PRODUCTS IS LEGALLY SOURCED.	
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