

ENVIRONMENTAL PRODUCT DECLARATION

BEHR MARQUEE® INTERIOR PAINT

INTERIOR PAINT



Shown above: BEHR MARQUEE® Interior Paint is a GREENGUARD® Gold certified, 100% acrylic paint and primer with exceptional durability, stain resistance and hide.

BEHR Paint Company

Behr Paint Company, producer of BEHR® and KILZ® products, is one of the largest manufacturers and suppliers of paint, primers, stains and surface finish products to do-it-yourselfers and professionals. Sustainability is a core concept of our business strategy and culture ensuring top economic, social and environmental performance. Behr Paint Company's commitment to sustainability, quality, value, and performance has driven our desire for innovation and transparency. The creation of a Life Cycle Assessment (LCA) report and Environmental Product Declaration (EPD) allows us to continually improve our operations and illustrate a complete story behind our products.

To learn more, visit behr.com and kilz.com



In order to support comparative assertions, this EPD meets all comparability requirements stated in ISO 14025:2006. However, such differences in certain assumptions, data quality, and variability between LCA data sets may still exist. As such, caution should be exercised when evaluating EPDs from different manufacturers, as the EPD results may not be entirely comparable. Any EPD comparison must be carried out at the building level per ISO 21930 guidelines. The results of this EPD reflect an average performance by the product and its actual impacts may vary on a case-to-case basis.

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EPD PROGRAM AND PROGRAM OPERATOR NAME, ADDRESS, LOGO, AND WEBSITE	UL Solutions 333 Pfingsten Rd, Northbrook IL, 60062	www.ul.com www.spot.ul.com
GENERAL PROGRAM INSTRUCTIONS AND VERSION NUMBER	Program Operator Rules v 2.7 2022	
MANUFACTURER NAME AND ADDRESS	Behr Process LLC 1801 E St Andrew Pl, Santa Ana, CA 92705	
DECLARATION NUMBER	4791080617.119.1	
DECLARED PRODUCT & FUNCTIONAL UNIT OR DECLARED UNIT	1m ² of covered and protected substrate for a period of 60 years with 97% opacity after drying	
REFERENCE PCR AND VERSION NUMBER	PCR for architectural coating: NAICS 325510, NSF (2022)	
DESCRIPTION OF PRODUCT APPLICATION/USE	Interior Paint	
PRODUCT RSL DESCRIPTION (IF APPL.)	5 years market life and 15 years design life used over a 60 year estimated building life	
MARKETS OF APPLICABILITY	North America	
DATE OF ISSUE	September 9, 2024	
PERIOD OF VALIDITY	5 Years	
EPD TYPE	Product-specific	
RANGE OF DATASET VARIABILITY	N/A	
OVERALL DATA QUALITY ASSESSMENT SCORE	Very good	
EPD SCOPE	Cradle to grave	
YEAR(S) OF REPORTED PRIMARY DATA	2021	
LCA SOFTWARE & VERSION NUMBER	Sphera's LCA for Experts (fka GaBi) v10.7.0.183	
LCI DATABASE(S) & VERSION NUMBER	Sphera's Managed LCA Content (fka GaBi) 2023.1	
LCIA METHODOLOGY & VERSION NUMBER	IPCC AR5, TRACI 2.1, CML 2001 (2013)	
The PCR review was conducted by:	NSF International	
	PCR Review Panel	
	ncss@nsf.org	
This declaration was independently verified in accordance with ISO 14025: 2006. <input type="checkbox"/> INTERNAL <input checked="" type="checkbox"/> EXTERNAL	<i>Cooper McCollum</i> Cooper McCollum, UL Solutions	
	Sphera	
This life cycle assessment was conducted in accordance with ISO 14040/44 and the reference PCR by:		
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	<i>MWildnauer</i> Maggie Wildnauer, WAP Sustainability	

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LIMITATIONS

Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

Accuracy of Results: EPDs regularly rely on estimations of impacts; the level of accuracy in estimation of effect differs for any particular product line and reported impact.

Comparability: EPDs from different programs may not be comparable. Full conformance with a PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible". Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.



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1. Product Definition and Information

1.1. Description of Company/Organization

Founded in 1947, Behr Paint Company's unwavering commitment to quality, innovation, and value has helped foster their growth into one of the largest manufacturers of paints, primers, decorative finishes, stains, surface preparation and application products for DIYers and professionals in North America. With operations in the United States, Canada, and Mexico, this Santa Ana, California based company has worked diligently to deliver the quality brands, BEHR®, KILZ®, and WHIZZ® to meet the coating, color, and application needs of consumers, designers and professional paint contractors resulting in BEHR® becoming one of the most trusted brands in America. BEHR® paint delivers superior value at every price point so everyone can transform their space into the look they want, with the colors they love.

1.2. Product Description

Product Identification

Behr Marquee® Interior Paint offers an advanced formula to give you beauty, durability and the time-saving convenience of guaranteed one-coat coverage in over 1,000 colors when chosen from the MARQUEE® Interior One-Coat Hide Color Collection. Behr Marquee® is highly ranked by independent 3rd party labs and is GREENGUARD® GOLD certified and MPI approved offering a line of coatings that meet or exceed environmental and performance requirements. This product line includes: 1450 Matte, 2450 Eggshell, 3450 Semi-Gloss, 7450 Satin and is available in quart, gallon and 5-gallon sized containers. Tint bases are offered in: Ultra Pure White, Medium and Deep, to allow custom tinting to a full range of colors.

Product Specification

Table 1. Specifications for Behr Marquee® Interior Paint

SKU	FILL / MAX TINT LOAD	GLOSS @ 60°	SHEEN @ 85°	RESIN TYPE	% SOLIDS BY VOLUME	% SOLIDS BY WEIGHT	FILM THICKNESS @ 400 SQ FT/GL	VISCOSITY (KU)
1450	127 fl oz 3 fl oz	2 – 5	2 – 5	100% Acrylic	45% ± 2%	60% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110
1454	116 fl oz 14 fl oz	2 – 5	2 – 5	100% Acrylic	45% ± 2%	60% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110
1453	112 fl oz 18 fl oz	2 – 5	2 – 5	100% Acrylic	45% ± 2%	60% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110



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SKU	FILL / MAX TINT LOAD	GLOSS @ 60°	SHEEN @ 85°	RESIN TYPE	% SOLIDS BY VOLUME	% SOLIDS BY WEIGHT	FILM THICKNESS @ 400 SQ FT/GL	VISCOSITY (KU)
2450	127 fl oz 3 fl oz	7 – 13	16 – 22	100% Acrylic	44% ± 2%	59% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110
2454	116 fl oz 14 fl oz	7 – 13	16 – 22	100% Acrylic	44% ± 2%	59% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110
2453	112 fl oz 18 fl oz	7 – 13	16 – 22	100% Acrylic	44% ± 2%	59% ± 2%	Wet: 4.0 mils Dry: 1.8 mils	100 – 110
3450	127 fl oz 3 fl oz	45 – 55	-	100% Acrylic	41% ± 2%	55% ± 2%	Wet: 4.0 mils Dry: 1.6 mils	100 – 110
3454	116 fl oz 14 fl oz	45 – 55	-	100% Acrylic	41% ± 2%	55% ± 2%	Wet: 4.0 mils Dry: 1.6 mils	100 – 110
3453	112 fl oz 18 fl oz	45 – 55	-	100% Acrylic	41% ± 2%	55% ± 2%	Wet: 4.0 mils Dry: 1.6 mils	100 - 110
7450	127 fl oz 3 fl oz	15 – 25	-	100% Acrylic	42% ± 2%	57% ± 2%	Wet: 4.0 mils Dry: 1.7 mils	100 – 110
7454	116 fl oz 14 fl oz	15 – 25	-	100% Acrylic	42% ± 2%	57% ± 2%	Wet: 4.0 mils Dry: 1.7 mils	100 – 110
7453	112 fl oz 18 fl oz	15 – 25	-	100% Acrylic	42% ± 2%	57% ± 2%	Wet: 4.0 mils Dry: 1.7 mils	100 – 110

1.3. Application

Recommended application information for Behr Marquee® Interior Paint is as follows:

Brush: Nylon/polyester

Roller: 3/8" – 1/2" nap roller cover, depending on surface texture

Airless Spray:

Tip: .015" - .019"

Filter: 60 mesh

Fluid Pressure: 1,400 – 2,400 psi

Thinning: Do not thin if using a roller or brush; however, if using a sprayer and thinning is required, thin with water at a rate of no more than ½ pint per gallon.



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The VOC emissions associated with each SKU after application are all <math><0.22 \text{ mg/m}^3</math>. The method used to determine this was the California Department of Public Health (CDPH) standard test method, a revised and expanded standard based on California Specification 01350. VOC content in g/L for each SKU is shown in Table 2.

Table 2. VOC content for each paint (g/L)

	1450	1454	1453	2450	2454	2453	3450	3454	3453	7450	7454	7453
VOC (g/L of paint)	32.37	45.12	33.30	46.82	46.43	43.99	47.18	45.84	43.32	36.27	48.64	33.00

1.4. Material Composition

The material composition of the paint in this product line is broken down by sheen and shown in Table 3 to Table 6.

Table 3. Material composition range in weight % for Behr Marquee® Interior Matte Paint

MATERIAL- MATTE	1450	1454	1453
Resin/Binder	40 – 45%	45 – 50%	55 – 60%
Additive	5 – 10%	5 – 10%	10 – 15%
Biocide	0.1 – 1%	0.1 – 1%	0.1 – 1%
Colorant	0.01 – 1%	-	-
Extender Pigment	10 – 15%	15 – 20%	15 – 20%
Pigment (TiO2)	25 – 30%	15 – 20%	-
Solvent	0.1 – 1%	0.1 – 1%	-
Water	1 – 5%	5 – 10%	10 – 15%





Table 4. Material composition range in weight % for Behr Marquee® Interior Eggshell Paint

MATERIAL- EGGSHELL	2450	2454	2453
Resin/Binder	40 – 45%	40 – 45%	75 – 80%
Additive	5 – 10%	5 – 10%	10 – 15%
Biocide	0.1 – 1%	0.1 – 1%	0.1 – 1%
Colorant	0.01 – 1%	-	-
Extender Pigment	10 – 15%	10 – 15%	1 – 5%
Pigment (TiO2)	30 – 35%	15 – 20%	-
Solvent	0.1 – 1%	0.1 – 1%	0.1 – 1%
Water	1 – 5%	10 – 15%	5 – 10%

Table 5. Material composition range in weight % for Behr Marquee® Interior Semi-Gloss Paint

MATERIAL – SEMI-GLOSS	3450	3454	3543
Resin/Binder	50 – 55%	55 – 60%	75 – 80%
Additive	5 – 10%	10 – 15%	10 – 15%
Biocide	0.1 – 1%	0.1 – 1%	0.1 – 1%
Colorant	0.01 – 1%	-	-
Extender Pigment	0.1 – 1%	-	1 – 5%
Pigment (TiO2)	30 – 35%	20 – 25%	-
Solvent	0.1 – 1%	0.1 – 1%	-
Water	1 – 5%	5 – 10%	5 – 10%

Table 6. Material composition range in weight % for Behr Marquee® Interior Satin Paint

MATERIAL - SATIN	7450	7454	7453
Resin/Binder	45 – 50%	55 – 60%	70 – 75%
Additive	5 – 10%	5 – 10%	10 – 15%
Biocide	0.1 – 1%	0.1 – 1%	0.1 – 1%
Colorant	0.01 – 1%	-	-
Extender Pigment	5 – 10%	5 – 10%	5 – 10%
Pigment (TiO2)	30 – 35%	15 – 20%	-
Solvent	0.1 – 1%	0.1 – 1%	-
Water	5 – 10%	5 – 10%	5 – 10%





1.5. Manufacturing

As shown in Figure 1, manufacturing begins with metering of raw materials, followed by the pre-mix, dispersion, and let-down steps. The finished paint is dispensed into jars, cans, and/or pails, which are then labeled, boxed, and loaded onto pallets for distribution.

Flow Diagram

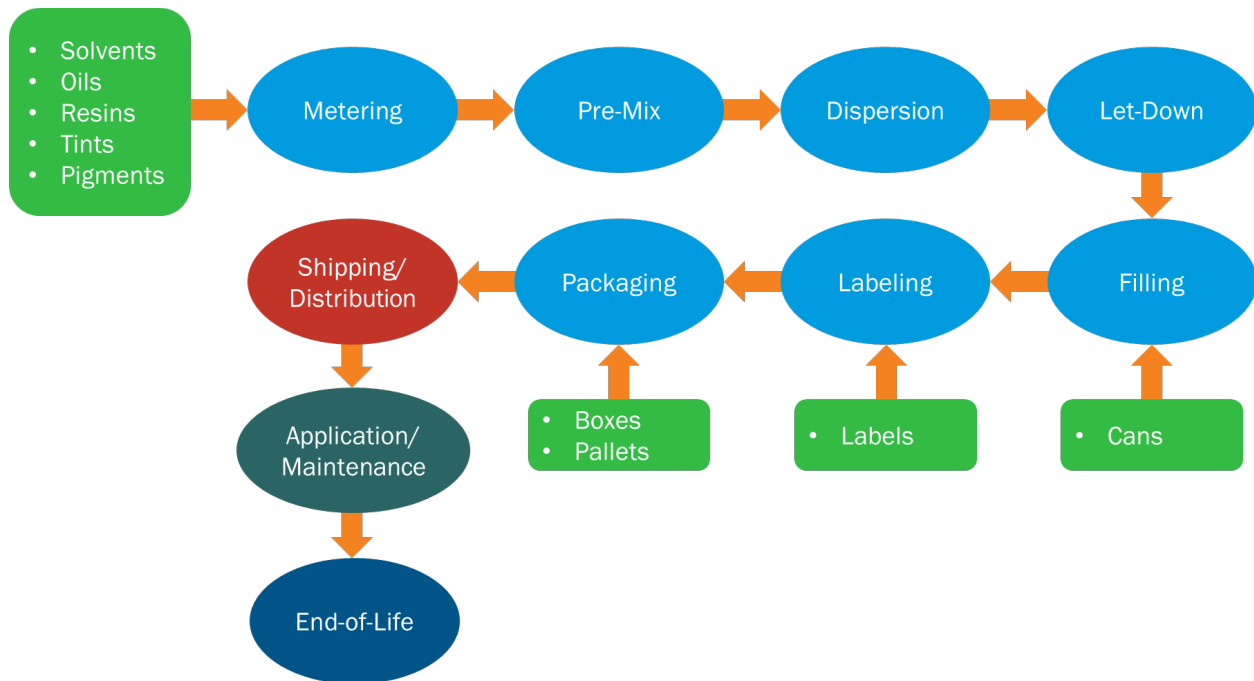


Figure 1. Flow diagram for cradle-to-grave LCA of Behr Marquee® Interior Paint

1.6. Packaging

Table 7 provides descriptions, volumes, and materials for the primary paint packaging used for Behr Marquee® Interior Paint. These packages are then placed in cardboard boxes and loaded onto heat-treated wooden pallets for distribution.





Table 7. Description of primary paint packaging.

CONTAINER	VOLUME	MATERIAL
Can	Quart or Gallon	Polypropylene
Pail	5 Gallons	High Density Polyethylene

1.7. Transportation

Raw materials and packaging are transported to each of the production facilities via truck or rail. After production and packaging, the paint is sent to one of twelve distribution centers by truck before being trucked to individual The Home Depot stores. Weighted average distances are calculated for transportation from distribution centers to stores in seven different regions.

1.8. Product Installation and Use

The use stage begins when the user applies the product to a substrate. This stage does not require any energy or additional cleaning inputs, but includes the VOCs emitted during application and drying. The products included in the Behr Marquee® Interior Paint portfolio are considered low-VOC products.

1.9. Reference Service Life and Estimated Building Service Life

Table 8 shows the design lifetime for interior and exterior paints of different quality. The entire Behr Marquee® Interior Paint line is considered high quality, and therefore has a design life of 15 years. Per the PCR, all results declared are calculated for a market life of 5 years. The estimated building life is 60 years per the PCR.

Table 8. Design lifetime of paints

COATING TYPE	LOW QUALITY	MID QUALITY	HIGH QUALITY	ALTERNATIVE
Interior Paint	3 years	7 years	15 years	N/A
Exterior Paint	5 years	10 years	20 years	Warranty

1.10. Reuse, Recycling, and Energy Recovery

The Home Depot stores encourage customers to use PaintCare or local paint recycling programs.





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1.11. Disposal

Product end-of-life occurs with the disposal of the substrate material. 100% of the waste is disposed of in a landfill at the end-of-life stage and cannot be separated from the substrate before disposal. Packaging is recovered at a rate of 6.2% for plastics, 33.9% for metals, and 80.9% for paper and corrugated material. Recovery rates represent the average fractions of waste recovered in the US.

2. Life Cycle Assessment Background Information

2.1. Functional or Declared Unit

The functional unit for the study is:

Covering and protecting 1 m² of substrate for a period of 60 years (the assumed lifetime of a building), exhibiting 97% opacity after drying

The functional unit and reference flow required for the functional unit were calculated for both the market life and design life as prescribed by the PCR. Market life for interior paints is 5 years. The design life is based on the quality as determined by ASTM test methods for scrub resistance (ASTM D2486 - 06(2012)e1), burnish (ASTM D6736 - 08(2013)), and washability (ASTM D4828 - 94(2012)e1) and is shown in Table 8. Lifetimes and reference flows for each sheen and base combination are shown in Table Table9. Results were calculated for all base and sheen formulations.

For further technical information on Behr Marquee® Interior Paint, visit www.behr.com.

Table 9. Sheen, base, design life, market life, and reference flows for each paint product.

SKU	SHEEN	BASE	DESIGN LIFETIME (YEARS)	MARKET LIFETIME (YEARS)	PAINT PER UNIT AREA (KG/M ²)	COLORANT PER UNIT AREA (KG/M ²)
1450	Matte	White	15	5	0.141	0.0047
1454	Matte	Deep	15	5	0.136	0.0159
1453	Matte	White	15	5	0.126	0.0047
2450	Eggshell	Deep	15	5	0.143	0.0159
2454	Eggshell	White	15	5	0.129	0.0047
2453	Eggshell	Deep	15	5	0.120	0.0159
3450	Semi-Gloss	White	15	5	0.133	0.0047



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SKU	SHEEN	BASE	DESIGN LIFETIME (YEARS)	MARKET LIFETIME (YEARS)	PAINT PER UNIT AREA (KG/M ²)	COLORANT PER UNIT AREA (KG/M ²)
3454	Semi-Gloss	Medium	15	5	0.121	0.0126
3453	Semi-Gloss	Deep	15	5	0.111	0.0159
7450	Satin	White	15	5	0.137	0.0047
7454	Satin	Medium	15	5	0.126	0.0126
7453	Satin	Deep	15	5	0.114	0.0159

2.2. System Boundary

The LCA was performed according to ISO 14040 standards. The system boundary is cradle-to-grave, and includes the following modules as defined in the PCR. The declaration covers the full range of Behr Marquee® Interior Paint sold in the North American market for the reference year 2021.

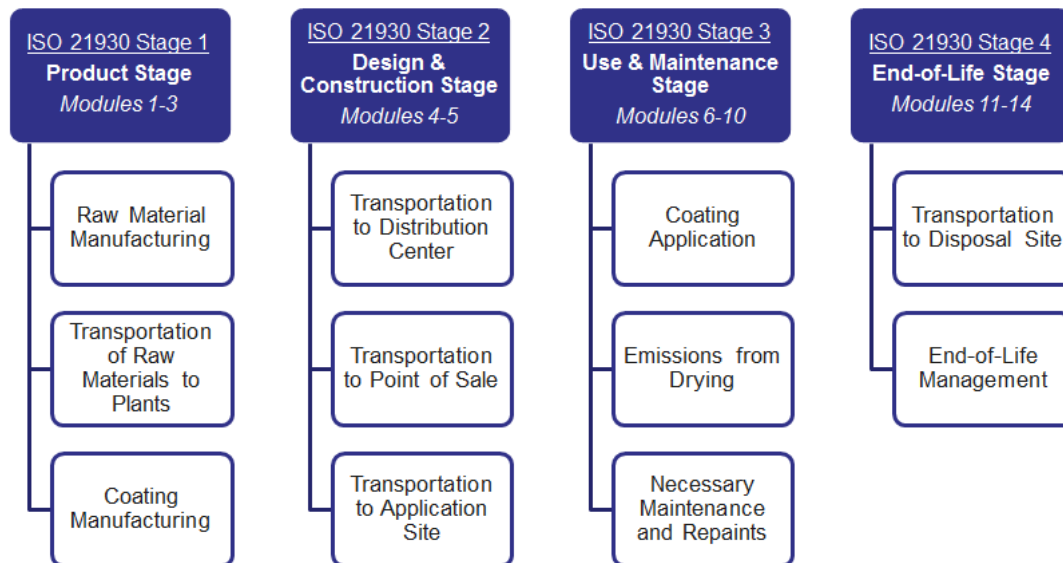


Figure 2. System boundaries for cradle to grave LCA





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2.3. Estimates and Assumptions

The modeling approach makes assumptions that are prescribed by the PCR, such as in packaging disposal and recovery treatment, as well as transportation distances and use phase assumptions.

2.4. Cut-off Criteria

No cut-off criteria was defined by this study. For processes within the system boundary, all available energy and material flow data have been included in the model.

2.5. Data Sources and Quality

Primary data, for the 2021 reference year, was obtained from six of Behr's production facilities that produce Marquee® Interior Paint. Those facilities are located in: Chicago Heights, IL; Allentown, PA; Roanoke, TX; McDonough, GA and two in Santa Ana, CA. Background data was obtained from the GaBi 2023.1 database and is representative of the years 2012-2021. Overall, both primary and background data are representative of the product system and have been deemed very good quality.

2.6. Period under Review

The period under review is 2021.

2.7. Allocation

Manufacturing inputs for the six facilities were allocated to each paint product by volume.

3. Life Cycle Assessment Results

In accordance with the PCR, TRACI 2.1 impact characterization methodology is used to calculate the declared environmental impacts, except for global warming potential and abiotic resource depletion, which follow the methodology in the IPCC 5th assessment report, and CML, respectively (Table 10). Additional inventory metrics are



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also calculated per the guiding PCR. The declared impacts and inventory metrics are summarized in this section. The total LCIA results for design life and market life for each impact category are provided in Table 11 and Table 18, respectively.

Furthermore, the results of each impact category for each stage are presented in Table 12 to Table 17 and from Table 19 to Table 24. Additionally, the LCI results for each stage are presented for each product (both market life and design life). The total LCI results for each impact category are also mentioned in this section.

3.1. Life Cycle Impact Assessment Results

Table 10. Environmental impact categories for North America

PARAMETER	DESCRIPTION	LCIA METHOD	UNIT
GWP	Global warming potential, fossil	IPCCC AR5 (2013)	kg CO ₂ eq.
ODP	Stratospheric ozone layer depletion potential	TRACI 2.1	kg CFC 11 eq.
AP	Land and water acidification potential	TRACI 2.1	kg SO ₂ eq.
EP	Eutrophication potential	TRACI 2.1	kg N eq.
SFP	Tropospheric ozone photochemical oxidant (smog) formation potential	TRACI 2.1	kg O ₃ eq.
ADP _f	Abiotic resource potential for fossil resources	CML 2001	MJ

Table 11. Total LCIA results for every interior paint product, per 1 m² for 60 years by design life

SKU	GWP KG CO ₂ EQ.	AP KG SO ₂ EQ.	EP KG N EQ.	ODP KG CFC-11 EQ.	SFP KG O ₃ EQ.	ADP _F MJ
1450	1.39E+00	2.41E-02	3.44E-04	4.82E-14	5.15E-02	2.64E+01
1454	1.21E+00	1.48E-02	3.01E-04	3.88E-14	4.15E-02	2.46E+01
1453	9.91E-01	2.00E-03	2.47E-04	2.77E-14	2.95E-02	2.25E+01
2450	1.45E+00	2.63E-02	3.56E-04	5.07E-14	5.36E-02	2.73E+01
2454	1.17E+00	1.31E-02	2.86E-04	3.71E-14	3.92E-02	2.43E+01
2453	1.10E+00	2.25E-03	2.55E-04	3.12E-14	3.27E-02	2.55E+01
3450	1.48E+00	2.70E-02	3.48E-04	5.20E-14	5.41E-02	2.83E+01
3454	1.25E+00	1.49E-02	2.90E-04	4.04E-14	4.18E-02	2.60E+01
3453	1.04E+00	2.10E-03	2.38E-04	2.90E-14	3.07E-02	2.41E+01



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SKU	GWP KG CO ₂ EQ.	AP KG SO ₂ EQ.	EP KG N EQ.	ODP KG CFC-11 EQ.	SFP KG O ₃ EQ.	ADPF MJ
7450	1.46E+00	2.69E-02	3.50E-04	5.12E-14	5.38E-02	2.76E+01
7454	1.22E+00	1.39E-02	2.88E-04	3.81E-14	4.08E-02	2.55E+01
7453	1.02E+00	2.11E-03	2.40E-04	2.86E-14	3.07E-02	2.37E+01

Table 12. GWP LCIA results for every interior paint product, per 1 m² for 60 years by design life (kg CO₂ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	1.21E+00	1.69E-01	0.00E+00	1.41E-02	1.39E+00
1454	9.53E-01	2.45E-01	0.00E+00	1.38E-02	1.21E+00
1453	7.11E-01	2.67E-01	0.00E+00	1.29E-02	9.91E-01
2450	1.26E+00	1.71E-01	0.00E+00	1.43E-02	1.45E+00
2454	9.17E-01	2.39E-01	0.00E+00	1.30E-02	1.17E+00
2453	8.28E-01	2.63E-01	0.00E+00	1.28E-02	1.10E+00
3450	1.30E+00	1.65E-01	0.00E+00	1.34E-02	1.48E+00
3454	1.01E+00	2.32E-01	0.00E+00	1.23E-02	1.25E+00
3453	7.73E-01	2.54E-01	0.00E+00	1.16E-02	1.04E+00
7450	1.28E+00	1.67E-01	0.00E+00	1.38E-02	1.46E+00
7454	9.71E-01	2.37E-01	0.00E+00	1.29E-02	1.22E+00
7453	7.54E-01	2.56E-01	0.00E+00	1.19E-02	1.02E+00

Table 13. AP LCIA results for every interior paint product, per 1 m² for 60 years by design life (kg SO₂ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	2.37E-02	3.26E-04	0.00E+00	6.85E-05	2.41E-02
1454	1.43E-02	4.44E-04	0.00E+00	6.64E-05	1.48E-02
1453	1.46E-03	4.77E-04	0.00E+00	6.15E-05	2.00E-03
2450	2.59E-02	3.31E-04	0.00E+00	6.92E-05	2.63E-02
2454	1.26E-02	4.32E-04	0.00E+00	6.28E-05	1.31E-02
2453	1.71E-03	4.71E-04	0.00E+00	5.94E-05	2.25E-03
3450	2.67E-02	3.22E-04	0.00E+00	6.46E-05	2.70E-02
3454	1.44E-02	4.20E-04	0.00E+00	5.88E-05	1.49E-02



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3453	1.60E-03	4.53E-04	0.00E+00	5.46E-05	2.10E-03
7450	2.65E-02	3.25E-04	0.00E+00	6.66E-05	2.69E-02
7454	1.34E-02	4.31E-04	0.00E+00	6.17E-05	1.39E-02
7453	1.60E-03	4.58E-04	0.00E+00	5.61E-05	2.11E-03

Table 14. EP LCIA results for every interior paint product, per 1 m² for 60 years by design life (kg N eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	1.84E-04	4.78E-05	0.00E+00	1.12E-04	3.44E-04
1454	1.42E-04	4.99E-05	0.00E+00	1.09E-04	3.01E-04
1453	9.77E-05	4.84E-05	0.00E+00	1.00E-04	2.47E-04
2450	1.94E-04	4.85E-05	0.00E+00	1.14E-04	3.56E-04
2454	1.35E-04	4.78E-05	0.00E+00	1.03E-04	2.86E-04
2453	1.13E-04	4.70E-05	0.00E+00	9.58E-05	2.55E-04
3450	1.96E-04	4.62E-05	0.00E+00	1.06E-04	3.48E-04
3454	1.48E-04	4.54E-05	0.00E+00	9.64E-05	2.90E-04
3453	1.06E-04	4.40E-05	0.00E+00	8.85E-05	2.38E-04
7450	1.94E-04	4.71E-05	0.00E+00	1.09E-04	3.50E-04
7454	1.40E-04	4.72E-05	0.00E+00	1.01E-04	2.88E-04
7453	1.04E-04	4.48E-05	0.00E+00	9.09E-05	2.40E-04

Table 15. ODP LCIA results for every interior paint product, per 1 m² for 60 years by design life (kg CFC-11 eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	4.66E-14	1.13E-15	0.00E+00	4.93E-16	4.82E-14
1454	3.59E-14	2.40E-15	0.00E+00	4.79E-16	3.88E-14
1453	2.45E-14	2.84E-15	0.00E+00	4.32E-16	2.77E-14
2450	4.91E-14	1.13E-15	0.00E+00	4.99E-16	5.07E-14
2454	3.43E-14	2.37E-15	0.00E+00	4.46E-16	3.71E-14
2453	2.80E-14	2.82E-15	0.00E+00	3.98E-16	3.12E-14
3450	5.04E-14	1.12E-15	0.00E+00	4.53E-16	5.20E-14
3454	3.77E-14	2.35E-15	0.00E+00	4.08E-16	4.04E-14



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3453	2.59E-14	2.78E-15	0.00E+00	3.65E-16	2.90E-14
7450	4.96E-14	1.12E-15	0.00E+00	4.72E-16	5.12E-14
7454	3.54E-14	2.37E-15	0.00E+00	4.33E-16	3.81E-14
7453	2.54E-14	2.79E-15	0.00E+00	3.79E-16	2.86E-14

Table 16. SFP LCIA results for every interior paint product, per 1 m² for 60 years by design life (kg O₃ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	4.44E-02	5.85E-03	2.48E-10	1.24E-03	5.15E-02
1454	3.37E-02	6.60E-03	2.48E-10	1.20E-03	4.15E-02
1453	2.18E-02	6.67E-03	2.48E-10	1.11E-03	2.95E-02
2450	4.64E-02	5.95E-03	2.48E-10	1.26E-03	5.36E-02
2454	3.17E-02	6.35E-03	2.48E-10	1.14E-03	3.92E-02
2453	2.51E-02	6.57E-03	2.48E-10	1.07E-03	3.27E-02
3450	4.72E-02	5.78E-03	2.48E-10	1.17E-03	5.41E-02
3454	3.46E-02	6.12E-03	2.48E-10	1.06E-03	4.18E-02
3453	2.35E-02	6.20E-03	2.48E-10	9.84E-04	3.07E-02
7450	4.67E-02	5.85E-03	2.48E-10	1.21E-03	5.38E-02
7454	3.34E-02	6.33E-03	2.48E-10	1.12E-03	4.08E-02
7453	2.34E-02	6.29E-03	2.48E-10	1.01E-03	3.07E-02

Table 17. ADP_r LCIA results for every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	2.35E+01	2.86E+00	0.00E+00	6.35E-02	2.64E+01
1454	1.95E+01	5.01E+00	0.00E+00	6.46E-02	2.46E+01
1453	1.67E+01	5.72E+00	0.00E+00	5.05E-02	2.25E+01
2450	2.44E+01	2.88E+00	0.00E+00	6.44E-02	2.73E+01
2454	1.93E+01	4.92E+00	0.00E+00	5.36E-02	2.43E+01
2453	1.98E+01	5.66E+00	0.00E+00	4.03E-02	2.55E+01
3450	2.54E+01	2.81E+00	0.00E+00	4.80E-02	2.83E+01
3454	2.11E+01	4.83E+00	0.00E+00	4.13E-02	2.60E+01



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3453	1.85E+01	5.52E+00	0.00E+00	3.29E-02	2.41E+01
7450	2.47E+01	2.84E+00	0.00E+00	5.73E-02	2.76E+01
7454	2.05E+01	4.90E+00	0.00E+00	5.12E-02	2.55E+01
7453	1.81E+01	5.56E+00	0.00E+00	3.72E-02	2.37E+01

Table 18. Total LCIA results for every interior paint product, per 1 m² for 60 years by market life

SKU	GWP KG CO ₂ EQ.	AP KG SO ₂ EQ.	EP KG N EQ.	ODP KG CFC 11 EQ.	SFP KG O ₃ EQ.	ADPF MJ
1450	4.17E+00	7.22E-02	1.03E-03	1.45E-13	1.55E-01	7.93E+01
1454	3.63E+00	4.45E-02	9.02E-04	1.16E-13	1.24E-01	7.39E+01
1453	2.97E+00	6.00E-03	7.40E-04	8.32E-14	8.86E-02	6.75E+01
2450	4.35E+00	7.90E-02	1.07E-03	1.52E-13	1.61E-01	8.20E+01
2454	3.51E+00	3.93E-02	8.59E-04	1.11E-13	1.18E-01	7.29E+01
2453	3.31E+00	6.74E-03	7.66E-04	9.36E-14	9.82E-02	7.66E+01
3450	4.45E+00	8.11E-02	1.04E-03	1.56E-13	1.62E-01	8.49E+01
3454	3.76E+00	4.46E-02	8.69E-04	1.21E-13	1.25E-01	7.79E+01
3453	3.11E+00	6.31E-03	7.14E-04	8.71E-14	9.21E-02	7.22E+01
7450	4.38E+00	8.08E-02	1.05E-03	1.53E-13	1.61E-01	8.29E+01
7454	3.66E+00	4.18E-02	8.65E-04	1.14E-13	1.22E-01	7.64E+01
7453	3.07E+00	6.33E-03	7.21E-04	8.57E-14	9.21E-02	7.10E+01

Table 19. GWP LCIA results for every interior paint product, per 1 m² for 60 years by market life (kg CO₂ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	3.62E+00	5.07E-01	0.00E+00	4.24E-02	4.17E+00
1454	2.86E+00	7.36E-01	0.00E+00	4.13E-02	3.63E+00
1453	2.13E+00	8.01E-01	0.00E+00	3.86E-02	2.97E+00
2450	3.79E+00	5.13E-01	0.00E+00	4.28E-02	4.35E+00
2454	2.75E+00	7.17E-01	0.00E+00	3.91E-02	3.51E+00
2453	2.48E+00	7.89E-01	0.00E+00	3.83E-02	3.31E+00



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3450	3.91E+00	4.95E-01	0.00E+00	4.01E-02	4.45E+00
3454	3.02E+00	6.97E-01	0.00E+00	3.68E-02	3.76E+00
3453	2.32E+00	7.61E-01	0.00E+00	3.48E-02	3.11E+00
7450	3.84E+00	5.02E-01	0.00E+00	4.15E-02	4.38E+00
7454	2.91E+00	7.12E-01	0.00E+00	3.87E-02	3.66E+00
7453	2.26E+00	7.69E-01	0.00E+00	3.57E-02	3.07E+00

Table 20. AP LCIA results for every interior paint product, per 1 m² for 60 years by market life (kg SO₂ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	7.10E-02	9.79E-04	0.00E+00	2.05E-04	7.22E-02
1454	4.29E-02	1.33E-03	0.00E+00	1.99E-04	4.45E-02
1453	4.39E-03	1.43E-03	0.00E+00	1.85E-04	6.00E-03
2450	7.78E-02	9.92E-04	0.00E+00	2.08E-04	7.90E-02
2454	3.78E-02	1.30E-03	0.00E+00	1.88E-04	3.93E-02
2453	5.14E-03	1.41E-03	0.00E+00	1.78E-04	6.74E-03
3450	8.00E-02	9.66E-04	0.00E+00	1.94E-04	8.11E-02
3454	4.32E-02	1.26E-03	0.00E+00	1.76E-04	4.46E-02
3453	4.79E-03	1.36E-03	0.00E+00	1.64E-04	6.31E-03
7450	7.96E-02	9.76E-04	0.00E+00	2.00E-04	8.08E-02
7454	4.03E-02	1.29E-03	0.00E+00	1.85E-04	4.18E-02
7453	4.79E-03	1.37E-03	0.00E+00	1.68E-04	6.33E-03

Table 21. EP LCIA results for every interior paint product, per 1 m² for 60 years by market life (kg N eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	5.51E-04	1.43E-04	0.00E+00	3.37E-04	1.03E-03
1454	4.27E-04	1.50E-04	0.00E+00	3.26E-04	9.02E-04
1453	2.93E-04	1.45E-04	0.00E+00	3.01E-04	7.40E-04
2450	5.83E-04	1.45E-04	0.00E+00	3.41E-04	1.07E-03
2454	4.06E-04	1.43E-04	0.00E+00	3.09E-04	8.59E-04
2453	3.38E-04	1.41E-04	0.00E+00	2.87E-04	7.66E-04



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3450	5.87E-04	1.39E-04	0.00E+00	3.19E-04	1.04E-03
3454	4.44E-04	1.36E-04	0.00E+00	2.89E-04	8.69E-04
3453	3.17E-04	1.32E-04	0.00E+00	2.66E-04	7.14E-04
7450	5.81E-04	1.41E-04	0.00E+00	3.27E-04	1.05E-03
7454	4.21E-04	1.41E-04	0.00E+00	3.02E-04	8.65E-04
7453	3.13E-04	1.35E-04	0.00E+00	2.73E-04	7.21E-04

Table 22. ODP LCIA results for every interior paint product, per 1 m² for 60 years by market life (kg CFC-11 eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	1.40E-13	3.39E-15	0.00E+00	1.48E-15	1.45E-13
1454	1.08E-13	7.19E-15	0.00E+00	1.44E-15	1.16E-13
1453	7.34E-14	8.53E-15	0.00E+00	1.30E-15	8.32E-14
2450	1.47E-13	3.40E-15	0.00E+00	1.50E-15	1.52E-13
2454	1.03E-13	7.12E-15	0.00E+00	1.34E-15	1.11E-13
2453	8.40E-14	8.46E-15	0.00E+00	1.19E-15	9.36E-14
3450	1.51E-13	3.35E-15	0.00E+00	1.36E-15	1.56E-13
3454	1.13E-13	7.04E-15	0.00E+00	1.22E-15	1.21E-13
3453	7.77E-14	8.33E-15	0.00E+00	1.10E-15	8.71E-14
7450	1.49E-13	3.37E-15	0.00E+00	1.42E-15	1.53E-13
7454	1.06E-13	7.10E-15	0.00E+00	1.30E-15	1.14E-13
7453	7.62E-14	8.37E-15	0.00E+00	1.14E-15	8.57E-14

Table 23. SFP LCIA results for every interior paint product, per 1 m² for 60 years by market life (kg O₃ eq.)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	1.33E-01	1.76E-02	7.45E-10	3.72E-03	1.55E-01
1454	1.01E-01	1.98E-02	7.45E-10	3.61E-03	1.24E-01
1453	6.53E-02	2.00E-02	7.45E-10	3.34E-03	8.86E-02
2450	1.39E-01	1.78E-02	7.45E-10	3.77E-03	1.61E-01
2454	9.52E-02	1.91E-02	7.45E-10	3.41E-03	1.18E-01
2453	7.53E-02	1.97E-02	7.45E-10	3.21E-03	9.82E-02



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SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
3450	1.41E-01	1.73E-02	7.45E-10	3.52E-03	1.62E-01
3454	1.04E-01	1.84E-02	7.45E-10	3.19E-03	1.25E-01
3453	7.05E-02	1.86E-02	7.45E-10	2.95E-03	9.21E-02
7450	1.40E-01	1.75E-02	7.45E-10	3.62E-03	1.61E-01
7454	1.00E-01	1.90E-02	7.45E-10	3.35E-03	1.22E-01
7453	7.02E-02	1.89E-02	7.45E-10	3.03E-03	9.21E-02

Table 24. ADPf LCIA results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	STAGE 1	STAGE 2	STAGE 3	STAGE 4	TOTAL
1450	7.05E+01	8.58E+00	0.00E+00	1.91E-01	7.93E+01
1454	5.86E+01	1.50E+01	0.00E+00	1.94E-01	7.39E+01
1453	5.02E+01	1.72E+01	0.00E+00	1.52E-01	6.75E+01
2450	7.32E+01	8.65E+00	0.00E+00	1.93E-01	8.20E+01
2454	5.79E+01	1.48E+01	0.00E+00	1.61E-01	7.29E+01
2453	5.95E+01	1.70E+01	0.00E+00	1.21E-01	7.66E+01
3450	7.63E+01	8.44E+00	0.00E+00	1.44E-01	8.49E+01
3454	6.33E+01	1.45E+01	0.00E+00	1.24E-01	7.79E+01
3453	5.56E+01	1.66E+01	0.00E+00	9.88E-02	7.22E+01
7450	7.42E+01	8.52E+00	0.00E+00	1.72E-01	8.29E+01
7454	6.15E+01	1.47E+01	0.00E+00	1.54E-01	7.64E+01
7453	5.42E+01	1.67E+01	0.00E+00	1.12E-01	7.10E+01





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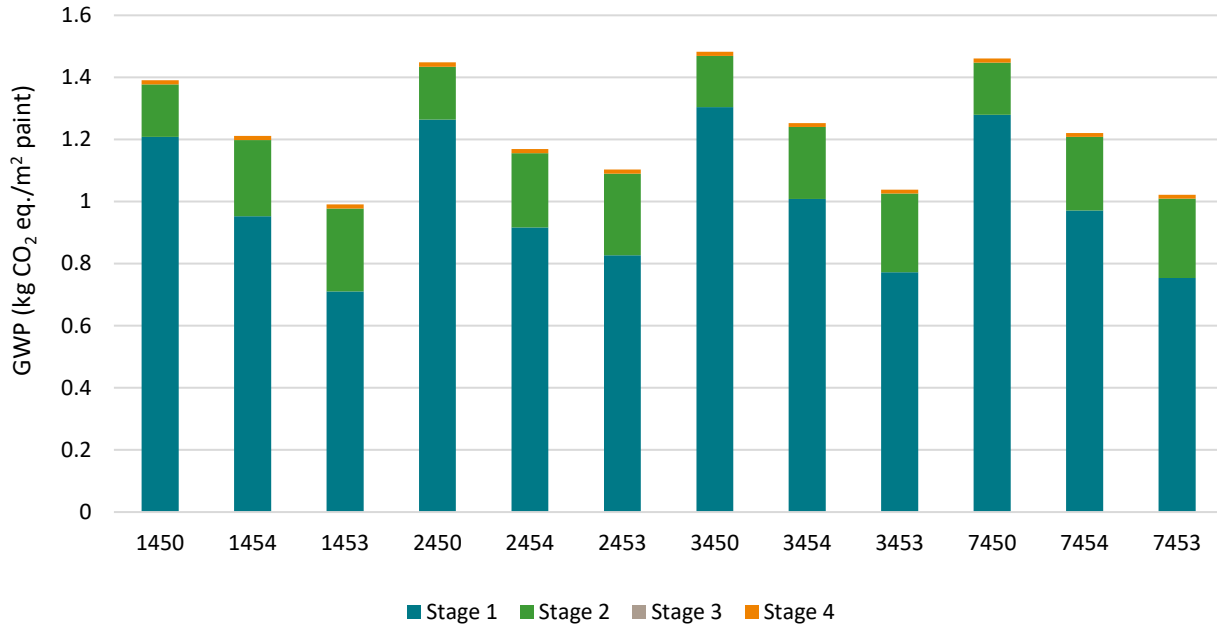


Figure 3: GWP results by stage by design life

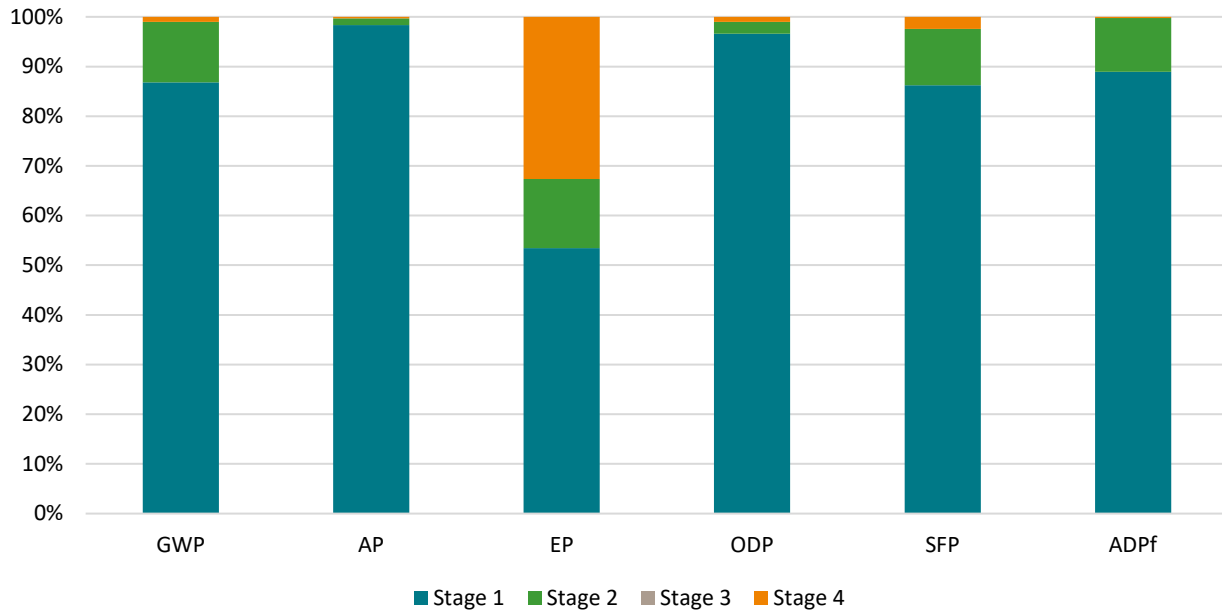


Figure 4. LCIA contribution results for 1450



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3.2. Life Cycle Inventory Results

Table 25. Total resource use results for every interior paint product, per 1 m² for 60 years by design life

SKU	RPR _E MJ	RPR _M MJ	NRPR _E MJ	NRPR _M MJ	SM KG	RSF MJ	NRSF MJ	RE MJ	FW M ³
1450	1.84E+00	7.80E-02	2.38E+01	4.04E+00	2.81E-04	0	0	0	8.41E-03
1454	1.50E+00	7.55E-02	2.22E+01	3.57E+00	2.60E-04	0	0	0	6.88E-03
1453	1.08E+00	7.50E-02	1.95E+01	3.72E+00	2.55E-04	0	0	0	4.78E-03
2450	1.95E+00	7.69E-02	2.47E+01	4.13E+00	2.85E-04	0	0	0	8.91E-03
2454	1.43E+00	7.51E-02	2.16E+01	3.73E+00	2.65E-04	0	0	0	6.59E-03
2453	1.17E+00	8.22E-02	2.18E+01	4.47E+00	2.38E-04	0	0	0	5.33E-03
3450	1.95E+00	7.47E-02	2.55E+01	4.29E+00	2.94E-04	0	0	0	9.13E-03
3454	1.54E+00	7.34E-02	2.32E+01	3.94E+00	2.63E-04	0	0	0	7.11E-03
3453	1.10E+00	7.63E-02	2.06E+01	4.16E+00	2.40E-04	0	0	0	4.98E-03
7450	1.93E+00	7.79E-02	2.50E+01	4.11E+00	2.80E-04	0	0	0	9.00E-03
7454	1.45E+00	7.67E-02	2.26E+01	3.90E+00	2.55E-04	0	0	0	6.82E-03
7453	1.09E+00	7.79E-02	2.03E+01	4.12E+00	2.40E-04	0	0	0	4.91E-03

Table 26. RPR_E results for every interior paint product, for their design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.68E+00	1.36E-01	0.00E+00	2.25E-02	1.84E+00
1454	1.30E+00	1.84E-01	0.00E+00	2.17E-02	1.50E+00
1453	8.63E-01	1.96E-01	0.00E+00	1.98E-02	1.08E+00
2450	1.80E+00	1.37E-01	0.00E+00	2.27E-02	1.95E+00
2454	1.23E+00	1.79E-01	0.00E+00	2.05E-02	1.43E+00
2453	9.63E-01	1.92E-01	0.00E+00	1.84E-02	1.17E+00
3450	1.80E+00	1.31E-01	0.00E+00	2.11E-02	1.95E+00
3454	1.34E+00	1.73E-01	0.00E+00	1.90E-02	1.54E+00
3453	8.98E-01	1.84E-01	0.00E+00	1.71E-02	1.10E+00
7450	1.78E+00	1.34E-01	0.00E+00	2.17E-02	1.93E+00
7454	1.25E+00	1.77E-01	0.00E+00	1.99E-02	1.45E+00
7453	8.86E-01	1.87E-01	0.00E+00	1.77E-02	1.09E+00



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Table 27. RPRm results for every interior paint product, for their design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	7.80E-02	0.00E+00	0.00E+00	0.00E+00	7.80E-02
1454	7.55E-02	0.00E+00	0.00E+00	0.00E+00	7.55E-02
1453	7.50E-02	0.00E+00	0.00E+00	0.00E+00	7.50E-02
2450	7.69E-02	0.00E+00	0.00E+00	0.00E+00	7.69E-02
2454	7.51E-02	0.00E+00	0.00E+00	0.00E+00	7.51E-02
2453	8.22E-02	0.00E+00	0.00E+00	0.00E+00	8.22E-02
3450	7.47E-02	0.00E+00	0.00E+00	0.00E+00	7.47E-02
3454	7.34E-02	0.00E+00	0.00E+00	0.00E+00	7.34E-02
3453	7.63E-02	0.00E+00	0.00E+00	0.00E+00	7.63E-02
7450	7.79E-02	0.00E+00	0.00E+00	0.00E+00	7.79E-02
7454	7.67E-02	0.00E+00	0.00E+00	0.00E+00	7.67E-02
7453	7.79E-02	0.00E+00	0.00E+00	0.00E+00	7.79E-02

Table 28. NRPRe results for every interior paint product, for their design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.08E+01	2.91E+00	0.00E+00	6.49E-02	2.38E+01
1454	1.70E+01	5.11E+00	0.00E+00	6.60E-02	2.22E+01
1453	1.36E+01	5.85E+00	0.00E+00	5.14E-02	1.95E+01
2450	2.17E+01	2.93E+00	0.00E+00	6.59E-02	2.47E+01
2454	1.65E+01	5.03E+00	0.00E+00	5.47E-02	2.16E+01
2453	1.60E+01	5.78E+00	0.00E+00	4.05E-02	2.18E+01
3450	2.26E+01	2.86E+00	0.00E+00	4.89E-02	2.55E+01
3454	1.82E+01	4.94E+00	0.00E+00	4.19E-02	2.32E+01
3453	1.50E+01	5.64E+00	0.00E+00	3.31E-02	2.06E+01
7450	2.21E+01	2.89E+00	0.00E+00	5.84E-02	2.50E+01
7454	1.76E+01	5.01E+00	0.00E+00	5.21E-02	2.26E+01
7453	1.45E+01	5.68E+00	0.00E+00	3.75E-02	2.03E+01



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According to ISO 14025,
ISO 21930

Table 29. NRPRm results for every interior paint product, for their design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	4.04E+00	0.00E+00	0.00E+00	0.00E+00	4.04E+00
1454	3.57E+00	0.00E+00	0.00E+00	0.00E+00	3.57E+00
1453	3.72E+00	0.00E+00	0.00E+00	0.00E+00	3.72E+00
2450	4.13E+00	0.00E+00	0.00E+00	0.00E+00	4.13E+00
2454	3.73E+00	0.00E+00	0.00E+00	0.00E+00	3.73E+00
2453	4.47E+00	0.00E+00	0.00E+00	0.00E+00	4.47E+00
3450	4.29E+00	0.00E+00	0.00E+00	0.00E+00	4.29E+00
3454	3.94E+00	0.00E+00	0.00E+00	0.00E+00	3.94E+00
3453	4.16E+00	0.00E+00	0.00E+00	0.00E+00	4.16E+00
7450	4.11E+00	0.00E+00	0.00E+00	0.00E+00	4.11E+00
7454	3.90E+00	0.00E+00	0.00E+00	0.00E+00	3.90E+00
7453	4.12E+00	0.00E+00	0.00E+00	0.00E+00	4.12E+00

Table 30. SM results for every interior paint product, for their design life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.81E-04	0.00E+00	0.00E+00	0.00E+00	2.81E-04
1454	2.60E-04	0.00E+00	0.00E+00	0.00E+00	2.60E-04
1453	2.55E-04	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2450	2.85E-04	0.00E+00	0.00E+00	0.00E+00	2.85E-04
2454	2.65E-04	0.00E+00	0.00E+00	0.00E+00	2.65E-04
2453	2.38E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-04
3450	2.94E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-04
3454	2.63E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-04
3453	2.40E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-04
7450	2.80E-04	0.00E+00	0.00E+00	0.00E+00	2.80E-04
7454	2.55E-04	0.00E+00	0.00E+00	0.00E+00	2.55E-04
7453	2.40E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-04



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According to ISO 14025,
ISO 21930

Table 31. FW results for every interior paint product, for their design life (m³)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	7.58E-03	8.29E-04	0.00E+00	1.22E-06	8.41E-03
1454	5.58E-03	1.30E-03	0.00E+00	2.01E-06	6.88E-03
1453	3.34E-03	1.45E-03	0.00E+00	4.01E-07	4.78E-03
2450	8.08E-03	8.36E-04	0.00E+00	1.21E-06	8.91E-03
2454	5.32E-03	1.27E-03	0.00E+00	4.12E-07	6.59E-03
2453	3.91E-03	1.42E-03	0.00E+00	-8.32E-09	5.33E-03
3450	8.32E-03	8.05E-04	0.00E+00	-1.14E-06	9.13E-03
3454	5.87E-03	1.24E-03	0.00E+00	-1.07E-06	7.11E-03
3453	3.60E-03	1.38E-03	0.00E+00	-1.26E-06	4.98E-03
7450	8.18E-03	8.17E-04	0.00E+00	5.25E-07	9.00E-03
7454	5.56E-03	1.26E-03	0.00E+00	5.07E-07	6.82E-03
7453	3.52E-03	1.39E-03	0.00E+00	-7.48E-07	4.91E-03

Table 32. Total Resource use results for every interior paint product, per 1 m² for 60 years by market life

SKU	RPR _E MJ	RPR _M MJ	NRPR _E MJ	NRPR _M MJ	SM KG	RSF MJ	NRSF MJ	RE MJ	FW M ³
1450	5.52E+00	2.34E-01	7.14E+01	1.21E+01	8.44E-04	0	0	0	2.52E-02
1454	4.51E+00	2.27E-01	6.65E+01	1.07E+01	7.80E-04	0	0	0	2.06E-02
1453	3.24E+00	2.25E-01	5.85E+01	1.12E+01	7.65E-04	0	0	0	1.43E-02
2450	5.86E+00	2.31E-01	7.41E+01	1.24E+01	8.56E-04	0	0	0	2.67E-02
2454	4.30E+00	2.25E-01	6.48E+01	1.12E+01	7.94E-04	0	0	0	1.98E-02
2453	3.52E+00	2.47E-01	6.55E+01	1.34E+01	7.14E-04	0	0	0	1.60E-02
3450	5.86E+00	2.24E-01	7.66E+01	1.29E+01	8.82E-04	0	0	0	2.74E-02
3454	4.61E+00	2.20E-01	6.95E+01	1.18E+01	7.89E-04	0	0	0	2.13E-02
3453	3.30E+00	2.29E-01	6.19E+01	1.25E+01	7.19E-04	0	0	0	1.49E-02
7450	5.80E+00	2.34E-01	7.50E+01	1.23E+01	8.40E-04	0	0	0	2.70E-02
7454	4.35E+00	2.30E-01	6.79E+01	1.17E+01	7.65E-04	0	0	0	2.05E-02
7453	3.27E+00	2.34E-01	6.08E+01	1.24E+01	7.21E-04	0	0	0	1.47E-02



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According to ISO 14025,
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Table 33. RPRe results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	5.05E+00	4.07E-01	0.00E+00	6.74E-02	5.52E+00
1454	3.89E+00	5.52E-01	0.00E+00	6.50E-02	4.51E+00
1453	2.59E+00	5.88E-01	0.00E+00	5.95E-02	3.24E+00
2450	5.39E+00	4.11E-01	0.00E+00	6.82E-02	5.86E+00
2454	3.70E+00	5.36E-01	0.00E+00	6.14E-02	4.30E+00
2453	2.89E+00	5.76E-01	0.00E+00	5.53E-02	3.52E+00
3450	5.41E+00	3.94E-01	0.00E+00	6.34E-02	5.86E+00
3454	4.03E+00	5.18E-01	0.00E+00	5.70E-02	4.61E+00
3453	2.69E+00	5.53E-01	0.00E+00	5.14E-02	3.30E+00
7450	5.33E+00	4.01E-01	0.00E+00	6.51E-02	5.80E+00
7454	3.76E+00	5.31E-01	0.00E+00	5.97E-02	4.35E+00
7453	2.66E+00	5.60E-01	0.00E+00	5.30E-02	3.27E+00

Table 34. RPRm results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
1454	2.27E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-01
1453	2.25E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-01
2450	2.31E-01	0.00E+00	0.00E+00	0.00E+00	2.31E-01
2454	2.25E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-01
2453	2.47E-01	0.00E+00	0.00E+00	0.00E+00	2.47E-01
3450	2.24E-01	0.00E+00	0.00E+00	0.00E+00	2.24E-01
3454	2.20E-01	0.00E+00	0.00E+00	0.00E+00	2.20E-01
3453	2.29E-01	0.00E+00	0.00E+00	0.00E+00	2.29E-01
7450	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
7454	2.30E-01	0.00E+00	0.00E+00	0.00E+00	2.30E-01
7453	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01



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According to ISO 14025,
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Table 35. NRPR_e results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	6.25E+01	8.73E+00	0.00E+00	1.95E-01	7.14E+01
1454	5.10E+01	1.53E+01	0.00E+00	1.98E-01	6.65E+01
1453	4.08E+01	1.75E+01	0.00E+00	1.54E-01	5.85E+01
2450	6.51E+01	8.80E+00	0.00E+00	1.98E-01	7.41E+01
2454	4.96E+01	1.51E+01	0.00E+00	1.64E-01	6.48E+01
2453	4.80E+01	1.73E+01	0.00E+00	1.22E-01	6.55E+01
3450	6.79E+01	8.59E+00	0.00E+00	1.47E-01	7.66E+01
3454	5.46E+01	1.48E+01	0.00E+00	1.26E-01	6.95E+01
3453	4.49E+01	1.69E+01	0.00E+00	9.93E-02	6.19E+01
7450	6.62E+01	8.67E+00	0.00E+00	1.75E-01	7.50E+01
7454	5.27E+01	1.50E+01	0.00E+00	1.56E-01	6.79E+01
7453	4.36E+01	1.71E+01	0.00E+00	1.13E-01	6.08E+01

Table 36. NRPR_m results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.21E+01	0.00E+00	0.00E+00	0.00E+00	1.21E+01
1454	1.07E+01	0.00E+00	0.00E+00	0.00E+00	1.07E+01
1453	1.12E+01	0.00E+00	0.00E+00	0.00E+00	1.12E+01
2450	1.24E+01	0.00E+00	0.00E+00	0.00E+00	1.24E+01
2454	1.12E+01	0.00E+00	0.00E+00	0.00E+00	1.12E+01
2453	1.34E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+01
3450	1.29E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+01
3454	1.18E+01	0.00E+00	0.00E+00	0.00E+00	1.18E+01
3453	1.25E+01	0.00E+00	0.00E+00	0.00E+00	1.25E+01
7450	1.23E+01	0.00E+00	0.00E+00	0.00E+00	1.23E+01
7454	1.17E+01	0.00E+00	0.00E+00	0.00E+00	1.17E+01
7453	1.24E+01	0.00E+00	0.00E+00	0.00E+00	1.24E+01



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According to ISO 14025,
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Table 37. SM results for every interior paint product, per 1 m² for 60 years by market life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	8.44E-04	0.00E+00	0.00E+00	0.00E+00	8.44E-04
1454	7.80E-04	0.00E+00	0.00E+00	0.00E+00	7.80E-04
1453	7.65E-04	0.00E+00	0.00E+00	0.00E+00	7.65E-04
2450	8.56E-04	0.00E+00	0.00E+00	0.00E+00	8.56E-04
2454	7.94E-04	0.00E+00	0.00E+00	0.00E+00	7.94E-04
2453	7.14E-04	0.00E+00	0.00E+00	0.00E+00	7.14E-04
3450	8.82E-04	0.00E+00	0.00E+00	0.00E+00	8.82E-04
3454	7.89E-04	0.00E+00	0.00E+00	0.00E+00	7.89E-04
3453	7.19E-04	0.00E+00	0.00E+00	0.00E+00	7.19E-04
7450	8.40E-04	0.00E+00	0.00E+00	0.00E+00	8.40E-04
7454	7.65E-04	0.00E+00	0.00E+00	0.00E+00	7.65E-04
7453	7.21E-04	0.00E+00	0.00E+00	0.00E+00	7.21E-04

Table 38. FW results for every interior paint product, per 1 m² for 60 years by market life (m³)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.27E-02	2.49E-03	0.00E+00	3.65E-06	2.52E-02
1454	1.67E-02	3.91E-03	0.00E+00	6.04E-06	2.06E-02
1453	1.00E-02	4.34E-03	0.00E+00	1.20E-06	1.43E-02
2450	2.42E-02	2.51E-03	0.00E+00	3.64E-06	2.67E-02
2454	1.59E-02	3.82E-03	0.00E+00	1.24E-06	1.98E-02
2453	1.17E-02	4.27E-03	0.00E+00	-2.50E-08	1.60E-02
3450	2.50E-02	2.42E-03	0.00E+00	-3.43E-06	2.74E-02
3454	1.76E-02	3.72E-03	0.00E+00	-3.22E-06	2.13E-02
3453	1.08E-02	4.14E-03	0.00E+00	-3.79E-06	1.49E-02
7450	2.45E-02	2.45E-03	0.00E+00	1.57E-06	2.70E-02
7454	1.67E-02	3.79E-03	0.00E+00	1.52E-06	2.05E-02
7453	1.06E-02	4.18E-03	0.00E+00	-2.24E-06	1.47E-02



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According to ISO 14025,
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Table 39. Total output and waste results for every interior paint product, per 1 m² for 60 years by design life

SKU	HWD %	NHWD %
1450	0.29%	99.71%
1454	0.32%	99.68%
1453	0.28%	99.72%
2450	0.29%	99.71%
2454	0.30%	99.70%
2453	0.32%	99.68%
3450	0.21%	99.79%
3454	0.29%	99.71%
3453	0.35%	99.65%
7450	0.27%	99.73%
7454	0.32%	99.68%
7453	0.35%	99.65%

Table 40. Waste results for every interior paint product, per 1 m² for 60 years by design life

SKU	Waste	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	HWD	5.58%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.42%	0.00%	0.00%	100.00%	99.71%
1454	HWD	5.49%	0.00%	0.00%	0.00%	0.32%
	NHWD	94.51%	0.00%	0.00%	100.00%	99.68%
1453	HWD	5.09%	0.00%	0.00%	0.00%	0.28%
	NHWD	94.91%	0.00%	0.00%	100.00%	99.72%
2450	HWD	5.43%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.57%	0.00%	0.00%	100.00%	99.71%
2454	HWD	5.29%	0.00%	0.00%	0.00%	0.30%
	NHWD	94.71%	0.00%	0.00%	100.00%	99.70%
2453	HWD	4.74%	0.00%	0.00%	0.00%	0.32%
	NHWD	95.26%	0.00%	0.00%	100.00%	99.68%
3450	HWD	5.26%	0.00%	0.00%	0.00%	0.21%
	NHWD	94.74%	0.00%	0.00%	100.00%	99.79%
3454	HWD	5.34%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.66%	0.00%	0.00%	100.00%	99.71%
3453	HWD	5.29%	0.00%	0.00%	0.00%	0.35%
	NHWD	94.71%	0.00%	0.00%	100.00%	99.65%
7450	HWD	5.65%	0.00%	0.00%	0.00%	0.27%



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SKU	Waste	Stage 1	Stage 2	Stage 3	Stage 4	Total
7454	NHWD	94.35%	0.00%	0.00%	100.00%	99.73%
	HWD	5.50%	0.00%	0.00%	0.00%	0.32%
	NHWD	94.50%	0.00%	0.00%	100.00%	99.68%
7453	HWD	5.21%	0.00%	0.00%	0.00%	0.35%
	NHWD	94.79%	0.00%	0.00%	100.00%	99.65%

Table 41. Total output and waste results for every interior paint product, per 1 m² for 60 years by market life

SKU	HWD %	NHWD %
1450	0.29%	99.71%
1454	0.32%	99.68%
1453	0.28%	99.72%
2450	0.29%	99.71%
2454	0.30%	99.70%
2453	0.32%	99.68%
3450	0.21%	99.79%
3454	0.29%	99.71%
3453	0.35%	99.65%
7450	0.27%	99.73%
7454	0.32%	99.68%
7453	0.35%	99.65%

Table 42. Waste results for every interior paint product, per 1 m² for 60 years by market life

SKU	Waste	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	HWD	5.58%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.42%	0.00%	0.00%	100.00%	99.71%
1454	HWD	5.49%	0.00%	0.00%	0.00%	0.32%
	NHWD	94.51%	0.00%	0.00%	100.00%	99.68%
1453	HWD	5.09%	0.00%	0.00%	0.00%	0.28%
	NHWD	94.91%	0.00%	0.00%	100.00%	99.72%
2450	HWD	5.43%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.57%	0.00%	0.00%	100.00%	99.71%
2454	HWD	5.29%	0.00%	0.00%	0.00%	0.30%
	NHWD	94.71%	0.00%	0.00%	100.00%	99.70%
2453	HWD	4.74%	0.00%	0.00%	0.00%	0.32%
	NHWD	95.26%	0.00%	0.00%	100.00%	99.68%



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SKU	Waste	Stage 1	Stage 2	Stage 3	Stage 4	Total
3450	HWD	5.26%	0.00%	0.00%	0.00%	0.21%
	NHWD	94.74%	0.00%	0.00%	100.00%	99.79%
3454	HWD	5.34%	0.00%	0.00%	0.00%	0.29%
	NHWD	94.66%	0.00%	0.00%	100.00%	99.71%
3453	HWD	5.29%	0.00%	0.00%	0.00%	0.35%
	NHWD	94.71%	0.00%	0.00%	100.00%	99.65%
7450	HWD	5.65%	0.00%	0.00%	0.00%	0.27%
	NHWD	94.35%	0.00%	0.00%	100.00%	99.73%
7454	HWD	5.50%	0.00%	0.00%	0.00%	0.32%
	NHWD	94.50%	0.00%	0.00%	100.00%	99.68%
7453	HWD	5.21%	0.00%	0.00%	0.00%	0.35%
	NHWD	94.79%	0.00%	0.00%	100.00%	99.65%

Table 43. Energy resource use results for every interior paint product, per 1 m² for 60 years by design life

SKU	BIO-ENERGY	FOSSIL ENERGY	HYDRO/WIND ENERGY	NUCLEAR ENERGY	OTHER ENERGY	NON-RENEWABLE RESOURCES	RENEWABLE RESOURCES
	MJ	MJ	MJ	MJ	MJ	kg	kg
1450	4.28E-09	2.64E+01	7.68E-01	1.42E+00	1.15E+00	7.15E-01	-7.10E-08
1454	3.89E-09	2.46E+01	6.12E-01	1.12E+00	9.67E-01	6.74E-01	-6.51E-08
1453	3.72E-09	2.25E+01	4.16E-01	7.19E-01	7.38E-01	6.12E-01	-6.33E-08
2450	4.35E-09	2.73E+01	8.09E-01	1.50E+00	1.22E+00	7.41E-01	-7.21E-08
2454	3.93E-09	2.43E+01	5.78E-01	1.04E+00	9.30E-01	6.64E-01	-6.61E-08
2453	3.52E-09	2.55E+01	4.57E-01	7.76E-01	7.98E-01	6.88E-01	-5.95E-08
3450	4.49E-09	2.83E+01	8.24E-01	1.52E+00	1.21E+00	7.63E-01	-7.43E-08
3454	3.94E-09	2.60E+01	6.30E-01	1.13E+00	9.80E-01	7.06E-01	-6.59E-08
3453	3.52E-09	2.41E+01	4.28E-01	7.28E-01	7.48E-01	6.49E-01	-5.97E-08
7450	4.28E-09	2.76E+01	8.12E-01	1.50E+00	1.20E+00	7.47E-01	-7.08E-08
7454	3.82E-09	2.55E+01	5.97E-01	1.08E+00	9.30E-01	6.93E-01	-6.40E-08
7453	3.52E-09	2.37E+01	4.21E-01	7.16E-01	7.47E-01	6.40E-01	-5.98E-08



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According to ISO 14025,
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Table 44. Bio-energy results for every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	3.79E-09	-3.68E-12	0.00E+00	4.89E-10	4.28E-09
1454	3.44E-09	-4.06E-12	0.00E+00	4.52E-10	3.89E-09
1453	3.28E-09	-4.05E-12	0.00E+00	4.43E-10	3.72E-09
2450	3.86E-09	-3.74E-12	0.00E+00	4.96E-10	4.35E-09
2454	3.48E-09	-3.90E-12	0.00E+00	4.60E-10	3.93E-09
2453	3.11E-09	-3.97E-12	0.00E+00	4.14E-10	3.52E-09
3450	3.98E-09	-3.60E-12	0.00E+00	5.10E-10	4.49E-09
3454	3.49E-09	-3.74E-12	0.00E+00	4.57E-10	3.94E-09
3453	3.11E-09	-3.74E-12	0.00E+00	4.16E-10	3.52E-09
7450	3.80E-09	-3.65E-12	0.00E+00	4.86E-10	4.28E-09
7454	3.38E-09	-3.87E-12	0.00E+00	4.43E-10	3.82E-09
7453	3.11E-09	-3.80E-12	0.00E+00	4.17E-10	3.52E-09

Table 45. Fossil energy results for every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.35E+01	2.86E+00	0.00E+00	6.35E-02	2.64E+01
1454	1.95E+01	5.01E+00	0.00E+00	6.46E-02	2.46E+01
1453	1.67E+01	5.72E+00	0.00E+00	5.05E-02	2.25E+01
2450	2.44E+01	2.88E+00	0.00E+00	6.44E-02	2.73E+01
2454	1.93E+01	4.92E+00	0.00E+00	5.36E-02	2.43E+01
2453	1.98E+01	5.66E+00	0.00E+00	4.03E-02	2.55E+01
3450	2.54E+01	2.81E+00	0.00E+00	4.80E-02	2.83E+01
3454	2.11E+01	4.83E+00	0.00E+00	4.13E-02	2.60E+01
3453	1.85E+01	5.52E+00	0.00E+00	3.29E-02	2.41E+01
7450	2.47E+01	2.84E+00	0.00E+00	5.73E-02	2.76E+01
7454	2.05E+01	4.90E+00	0.00E+00	5.12E-02	2.55E+01
7453	1.81E+01	5.56E+00	0.00E+00	3.72E-02	2.37E+01



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According to ISO 14025,
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Table 46. Hydro/ Wind energy results every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	7.38E-01	2.51E-02	0.00E+00	4.94E-03	7.68E-01
1454	5.54E-01	5.28E-02	0.00E+00	4.78E-03	6.12E-01
1453	3.49E-01	6.25E-02	0.00E+00	4.25E-03	4.16E-01
2450	7.79E-01	2.52E-02	0.00E+00	5.01E-03	8.09E-01
2454	5.21E-01	5.22E-02	0.00E+00	4.44E-03	5.78E-01
2453	3.92E-01	6.20E-02	0.00E+00	3.76E-03	4.57E-01
3450	7.95E-01	2.48E-02	0.00E+00	4.51E-03	8.24E-01
3454	5.74E-01	5.16E-02	0.00E+00	4.01E-03	6.30E-01
3453	3.64E-01	6.10E-02	0.00E+00	3.49E-03	4.28E-01
7450	7.83E-01	2.49E-02	0.00E+00	4.70E-03	8.12E-01
7454	5.40E-01	5.20E-02	0.00E+00	4.26E-03	5.97E-01
7453	3.56E-01	6.13E-02	0.00E+00	3.64E-03	4.21E-01

Table 47. Nuclear energy results for every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.37E+00	5.00E-02	0.00E+00	1.41E-03	1.42E+00
1454	1.01E+00	1.07E-01	0.00E+00	1.40E-03	1.12E+00
1453	5.91E-01	1.28E-01	0.00E+00	8.77E-04	7.19E-01
2450	1.44E+00	5.02E-02	0.00E+00	1.45E-03	1.50E+00
2454	9.34E-01	1.06E-01	0.00E+00	1.09E-03	1.04E+00
2453	6.49E-01	1.27E-01	0.00E+00	1.90E-04	7.76E-01
3450	1.47E+00	4.95E-02	0.00E+00	9.35E-04	1.52E+00
3454	1.03E+00	1.05E-01	0.00E+00	6.62E-04	1.13E+00
3453	6.03E-01	1.25E-01	0.00E+00	1.86E-04	7.28E-01
7450	1.45E+00	4.97E-02	0.00E+00	1.15E-03	1.50E+00
7454	9.73E-01	1.06E-01	0.00E+00	8.96E-04	1.08E+00
7453	5.90E-01	1.25E-01	0.00E+00	3.19E-04	7.16E-01



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According to ISO 14025,
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Table 48. Other energy results for every interior paint product, per 1 m² for 60 years by design life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.02E+00	1.11E-01	0.00E+00	1.75E-02	1.15E+00
1454	8.19E-01	1.31E-01	0.00E+00	1.69E-02	9.67E-01
1453	5.89E-01	1.34E-01	0.00E+00	1.56E-02	7.38E-01
2450	1.09E+00	1.12E-01	0.00E+00	1.77E-02	1.22E+00
2454	7.88E-01	1.26E-01	0.00E+00	1.60E-02	9.30E-01
2453	6.54E-01	1.30E-01	0.00E+00	1.47E-02	7.98E-01
3450	1.08E+00	1.07E-01	0.00E+00	1.66E-02	1.21E+00
3454	8.44E-01	1.21E-01	0.00E+00	1.50E-02	9.80E-01
3453	6.11E-01	1.23E-01	0.00E+00	1.37E-02	7.48E-01
7450	1.07E+00	1.09E-01	0.00E+00	1.70E-02	1.20E+00
7454	7.89E-01	1.25E-01	0.00E+00	1.56E-02	9.30E-01
7453	6.08E-01	1.25E-01	0.00E+00	1.40E-02	7.47E-01

Table 49. Non-renewable energy resource results every interior paint product, per 1 m² for 60 years by design life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	6.22E-01	9.16E-02	0.00E+00	1.79E-03	7.15E-01
1454	5.10E-01	1.62E-01	0.00E+00	1.83E-03	6.74E-01
1453	4.25E-01	1.86E-01	0.00E+00	1.44E-03	6.12E-01
2450	6.47E-01	9.23E-02	0.00E+00	1.81E-03	7.41E-01
2454	5.03E-01	1.60E-01	0.00E+00	1.51E-03	6.64E-01
2453	5.03E-01	1.84E-01	0.00E+00	1.20E-03	6.88E-01
3450	6.72E-01	9.02E-02	0.00E+00	1.35E-03	7.63E-01
3454	5.49E-01	1.57E-01	0.00E+00	1.17E-03	7.06E-01
3453	4.69E-01	1.80E-01	0.00E+00	9.64E-04	6.49E-01
7450	6.54E-01	9.10E-02	0.00E+00	1.62E-03	7.47E-01
7454	5.33E-01	1.59E-01	0.00E+00	1.46E-03	6.93E-01
7453	4.59E-01	1.81E-01	0.00E+00	1.08E-03	6.40E-01



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According to ISO 14025,
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Table 50. Renewable energy resource results for every interior paint product, per 1 m² for 60 years by design life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.45E-08	7.23E-12	0.00E+00	-8.55E-08	-7.10E-08
1454	1.39E-08	4.91E-11	0.00E+00	-7.90E-08	-6.51E-08
1453	1.42E-08	6.53E-11	0.00E+00	-7.76E-08	-6.33E-08
2450	1.46E-08	6.94E-12	0.00E+00	-8.67E-08	-7.21E-08
2454	1.43E-08	4.97E-11	0.00E+00	-8.04E-08	-6.61E-08
2453	1.29E-08	6.53E-11	0.00E+00	-7.24E-08	-5.95E-08
3450	1.51E-08	7.79E-12	0.00E+00	-8.94E-08	-7.43E-08
3454	1.40E-08	5.03E-11	0.00E+00	-8.00E-08	-6.59E-08
3453	1.31E-08	6.58E-11	0.00E+00	-7.29E-08	-5.97E-08
7450	1.43E-08	7.46E-12	0.00E+00	-8.51E-08	-7.08E-08
7454	1.34E-08	4.98E-11	0.00E+00	-7.75E-08	-6.40E-08
7453	1.32E-08	6.58E-11	0.00E+00	-7.30E-08	-5.98E-08

Table 51. Energy resource use results for every interior paint product, per 1 m² for 60 years by market life

SKU	BIO ENERGY	FOSSIL ENERGY	HYDRO/WIND ENERGY	NUCLEAR ENERGY	OTHER RENEWABLE ENERGY	NON-RENEWABLE ENERGY RESOURCES	RENEWABLE ENERGY RESOURCES
	MJ	MJ	MJ	MJ	MJ	KG	KG
1450	1.28E-08	7.93E+01	2.30E+00	4.26E+00	3.45E+00	2.15E+00	-2.13E-07
1454	1.17E-08	7.39E+01	1.83E+00	3.35E+00	2.90E+00	2.02E+00	-1.95E-07
1453	1.12E-08	6.75E+01	1.25E+00	2.16E+00	2.21E+00	1.84E+00	-1.90E-07
2450	1.31E-08	8.20E+01	2.43E+00	4.49E+00	3.67E+00	2.22E+00	-2.16E-07
2454	1.18E-08	7.29E+01	1.73E+00	3.13E+00	2.79E+00	1.99E+00	-1.98E-07
2453	1.06E-08	7.66E+01	1.37E+00	2.33E+00	2.40E+00	2.06E+00	-1.78E-07
3450	1.35E-08	8.49E+01	2.47E+00	4.57E+00	3.62E+00	2.29E+00	-2.23E-07
3454	1.18E-08	7.79E+01	1.89E+00	3.40E+00	2.94E+00	2.12E+00	-1.98E-07
3453	1.06E-08	7.22E+01	1.28E+00	2.19E+00	2.24E+00	1.95E+00	-1.79E-07
7450	1.29E-08	8.29E+01	2.44E+00	4.50E+00	3.59E+00	2.24E+00	-2.12E-07
7454	1.15E-08	7.64E+01	1.79E+00	3.24E+00	2.79E+00	2.08E+00	-1.92E-07
7453	1.06E-08	7.10E+01	1.26E+00	2.15E+00	2.24E+00	1.92E+00	-1.79E-07



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According to ISO 14025,
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Table 52. Bio-energy results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.14E-08	-1.10E-11	0.00E+00	1.47E-09	1.28E-08
1454	1.03E-08	-1.22E-11	0.00E+00	1.36E-09	1.17E-08
1453	9.83E-09	-1.22E-11	0.00E+00	1.33E-09	1.12E-08
2450	1.16E-08	-1.12E-11	0.00E+00	1.49E-09	1.31E-08
2454	1.04E-08	-1.17E-11	0.00E+00	1.38E-09	1.18E-08
2453	9.33E-09	-1.19E-11	0.00E+00	1.24E-09	1.06E-08
3450	1.19E-08	-1.08E-11	0.00E+00	1.53E-09	1.35E-08
3454	1.05E-08	-1.12E-11	0.00E+00	1.37E-09	1.18E-08
3453	9.33E-09	-1.12E-11	0.00E+00	1.25E-09	1.06E-08
7450	1.14E-08	-1.10E-11	0.00E+00	1.46E-09	1.29E-08
7454	1.01E-08	-1.16E-11	0.00E+00	1.33E-09	1.15E-08
7453	9.33E-09	-1.14E-11	0.00E+00	1.25E-09	1.06E-08

Table 53. Fossil energy results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	7.05E+01	8.58E+00	0.00E+00	1.91E-01	7.93E+01
1454	5.86E+01	1.50E+01	0.00E+00	1.94E-01	7.39E+01
1453	5.02E+01	1.72E+01	0.00E+00	1.52E-01	6.75E+01
2450	7.32E+01	8.65E+00	0.00E+00	1.93E-01	8.20E+01
2454	5.79E+01	1.48E+01	0.00E+00	1.61E-01	7.29E+01
2453	5.95E+01	1.70E+01	0.00E+00	1.21E-01	7.66E+01
3450	7.63E+01	8.44E+00	0.00E+00	1.44E-01	8.49E+01
3454	6.33E+01	1.45E+01	0.00E+00	1.24E-01	7.79E+01
3453	5.56E+01	1.66E+01	0.00E+00	9.88E-02	7.22E+01
7450	7.42E+01	8.52E+00	0.00E+00	1.72E-01	8.29E+01
7454	6.15E+01	1.47E+01	0.00E+00	1.54E-01	7.64E+01
7453	5.42E+01	1.67E+01	0.00E+00	1.12E-01	7.10E+01



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According to ISO 14025,
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Table 54. Hydro/ Wind energy results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	2.21E+00	7.52E-02	0.00E+00	1.48E-02	2.30E+00
1454	1.66E+00	1.58E-01	0.00E+00	1.44E-02	1.83E+00
1453	1.05E+00	1.87E-01	0.00E+00	1.27E-02	1.25E+00
2450	2.34E+00	7.55E-02	0.00E+00	1.50E-02	2.43E+00
2454	1.56E+00	1.57E-01	0.00E+00	1.33E-02	1.73E+00
2453	1.17E+00	1.86E-01	0.00E+00	1.13E-02	1.37E+00
3450	2.39E+00	7.44E-02	0.00E+00	1.35E-02	2.47E+00
3454	1.72E+00	1.55E-01	0.00E+00	1.20E-02	1.89E+00
3453	1.09E+00	1.83E-01	0.00E+00	1.05E-02	1.28E+00
7450	2.35E+00	7.48E-02	0.00E+00	1.41E-02	2.44E+00
7454	1.62E+00	1.56E-01	0.00E+00	1.28E-02	1.79E+00
7453	1.07E+00	1.84E-01	0.00E+00	1.09E-02	1.26E+00

Table 55. Nuclear energy results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	4.11E+00	1.50E-01	0.00E+00	4.24E-03	4.26E+00
1454	3.02E+00	3.22E-01	0.00E+00	4.20E-03	3.35E+00
1453	1.77E+00	3.83E-01	0.00E+00	2.63E-03	2.16E+00
2450	4.33E+00	1.50E-01	0.00E+00	4.36E-03	4.49E+00
2454	2.80E+00	3.19E-01	0.00E+00	3.26E-03	3.13E+00
2453	1.95E+00	3.80E-01	0.00E+00	5.70E-04	2.33E+00
3450	4.41E+00	1.48E-01	0.00E+00	2.80E-03	4.57E+00
3454	3.09E+00	3.16E-01	0.00E+00	1.99E-03	3.40E+00
3453	1.81E+00	3.74E-01	0.00E+00	5.58E-04	2.19E+00
7450	4.34E+00	1.49E-01	0.00E+00	3.45E-03	4.50E+00
7454	2.92E+00	3.18E-01	0.00E+00	2.69E-03	3.24E+00
7453	1.77E+00	3.76E-01	0.00E+00	9.58E-04	2.15E+00



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According to ISO 14025,
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Table 56. Other energy results for every interior paint product, per 1 m² for 60 years by market life (MJ)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	3.07E+00	3.32E-01	0.00E+00	5.25E-02	3.45E+00
1454	2.46E+00	3.94E-01	0.00E+00	5.07E-02	2.90E+00
1453	1.77E+00	4.01E-01	0.00E+00	4.68E-02	2.21E+00
2450	3.28E+00	3.36E-01	0.00E+00	5.32E-02	3.67E+00
2454	2.36E+00	3.79E-01	0.00E+00	4.81E-02	2.79E+00
2453	1.96E+00	3.90E-01	0.00E+00	4.40E-02	2.40E+00
3450	3.25E+00	3.20E-01	0.00E+00	4.98E-02	3.62E+00
3454	2.53E+00	3.63E-01	0.00E+00	4.50E-02	2.94E+00
3453	1.83E+00	3.70E-01	0.00E+00	4.10E-02	2.24E+00
7450	3.22E+00	3.26E-01	0.00E+00	5.10E-02	3.59E+00
7454	2.37E+00	3.75E-01	0.00E+00	4.69E-02	2.79E+00
7453	1.82E+00	3.76E-01	0.00E+00	4.21E-02	2.24E+00

Table 57. Non-renewable resource results for every interior paint product, per 1 m² for 60 years by market life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	1.87E+00	2.75E-01	0.00E+00	5.36E-03	2.15E+00
1454	1.53E+00	4.87E-01	0.00E+00	5.49E-03	2.02E+00
1453	1.28E+00	5.58E-01	0.00E+00	4.32E-03	1.84E+00
2450	1.94E+00	2.77E-01	0.00E+00	5.43E-03	2.22E+00
2454	1.51E+00	4.79E-01	0.00E+00	4.54E-03	1.99E+00
2453	1.51E+00	5.52E-01	0.00E+00	3.59E-03	2.06E+00
3450	2.01E+00	2.71E-01	0.00E+00	4.04E-03	2.29E+00
3454	1.65E+00	4.70E-01	0.00E+00	3.51E-03	2.12E+00
3453	1.41E+00	5.39E-01	0.00E+00	2.89E-03	1.95E+00
7450	1.96E+00	2.73E-01	0.00E+00	4.86E-03	2.24E+00
7454	1.60E+00	4.77E-01	0.00E+00	4.38E-03	2.08E+00
7453	1.38E+00	5.42E-01	0.00E+00	3.25E-03	1.92E+00





Table 58. Renewable resource results for every interior paint product, per 1 m² for 60 years by market life (kg)

SKU	Stage 1	Stage 2	Stage 3	Stage 4	Total
1450	4.36E-08	2.17E-11	0.00E+00	-2.57E-07	-2.13E-07
1454	4.18E-08	1.47E-10	0.00E+00	-2.37E-07	-1.95E-07
1453	4.26E-08	1.96E-10	0.00E+00	-2.33E-07	-1.90E-07
2450	4.39E-08	2.08E-11	0.00E+00	-2.60E-07	-2.16E-07
2454	4.28E-08	1.49E-10	0.00E+00	-2.41E-07	-1.98E-07
2453	3.87E-08	1.96E-10	0.00E+00	-2.17E-07	-1.78E-07
3450	4.53E-08	2.34E-11	0.00E+00	-2.68E-07	-2.23E-07
3454	4.20E-08	1.51E-10	0.00E+00	-2.40E-07	-1.98E-07
3453	3.93E-08	1.97E-10	0.00E+00	-2.19E-07	-1.79E-07
7450	4.29E-08	2.24E-11	0.00E+00	-2.55E-07	-2.12E-07
7454	4.03E-08	1.49E-10	0.00E+00	-2.33E-07	-1.92E-07
7453	3.95E-08	1.97E-10	0.00E+00	-2.19E-07	-1.79E-07

4. Additional Environmental Information

4.1. Environmental Activities and Certifications



GREENGUARD Certification

Behr Marquee® Interior products are GREENGUARD and GREENGUARD Gold Certified. This third-party certification assures our paints are low-emitting and contribute to healthy indoor environments.

GREENGUARD Certification establishes acceptable indoor air standards for indoor products, environments, and buildings. GREENGUARD Gold Certification offers stricter certification criteria, considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities.

GREENGUARD certified products are referenced standards in numerous sustainable building initiatives including Leadership in Energy and Environmental Design (LEED®), Collaborative for High Performance Schools (CHPS), Green Guide for Health Care (GGHC), Sustainable Building Industry Council (SBIC) and many others. For more information on the GREENGUARD Certification Program emission standards visit greenguard.org.



ENVIRONMENTAL PRODUCT DECLARATION



BEHR MARQUEE® Interior Paint



According to ISO 14025,
ISO 21930



MPI Extreme Green Performance™ Standard (MPI GPS-2-12)

Behr Marquee® Interior paints are certified with the MPI Extreme Green Performance™ (X-Green) Standard, a three-pronged standard that has requirements on indoor air quality, durability, and environmental safety of paint products.

MPI's Green Performance™ Standards were established to challenge the thinking that VOC level alone should determine a 'green' coating. MPI believes that performance and durability are critical to true sustainability, since premature failure and the frequent repainting that results inevitably leads to greater VOC emissions and non-sustainable and costly maintenance operations. Therefore, paints certified to MPI's Green Performance™ Standard:

- 1) Provide performance and durability equal to their 'conventional' counterparts;
- 2) Have eliminated or contain only trace quantities of various undesirable chemical compounds such as phthalates;
- 3) Have reduced VOC. MPI's GPS 2 -- the most stringent in North America when introduced in 2007 -- has a maximum allowable VOC of 50 g/l across the board for all paint types.

The Extreme Green Environmental Performance™ Standard, which complements MPI's Green Performance™ Standards includes the following additional requirements:

- 1) No carcinogenic ingredients;
- 2) Maximum 50 g/l VOC;
- 3) Submit a third-party test result verifying they meet CHPS (Collaborative for High Performance Schools) emissions requirements;
- 4) The certification of emissions compliance to CHPS must be within two years of testing.

The MPI Green Performance™ Standard is the only green paint/coatings certification required by both the US and Canadian governments and referenced by the South Coast Air Quality Management District (SCAQMD).

4.2. Further Information

For further information visit behr.com and kilz.com.

5. References

LCA EF 2023	Sphera Solutions Inc; Life Cycle Assessment for Experts: Software-System and Database for Life Cycle Engineering. Chicago, IL, USA, 1992-2023. https://sphera.com/life-cycle-assessment-lca-database/
IPCC 2013	IPCC. (2013). <i>Climate Change 2013: The Physical Science Basis</i> . Genf, Schweiz: IPCC.
ISO 14025	ISO 14025:2011-10 Environmental labels and declarations - Type III environmental declarations - Principles and procedures
ISO 14040	ISO 14040:2009-11 Environmental management - Life cycle assessment - Principles and framework



ENVIRONMENTAL PRODUCT DECLARATION



BEHR MARQUEE® Interior Paint

According to ISO 14025,
ISO 21930

ISO 14044	ISO 14044:2006-10 Environmental management - Life cycle assessment - Requirements and guidelines
NSF 2015	NSF. (2015). <i>Product Category Rule (PCR) for Architectural Coatings</i> . USA: NSF: https://d2evkimvhatqav.cloudfront.net/documents/pcr_architectural_coatings_2022_ext.pdf?v=1657221210
USEPA 2012	NUS Environmental Protection Agency. (2012). <i>Tool for the Reduction and Assessment of Chemical and other Environmental Impacts (TRACI) – User’s Manual</i> . Washington, D.C.: U.S. EPA.
USEPA 2020	US Environmental Protection Agency. (2015, June). <i>Advancing Sustainable Materials Management: 2018 Tables and Figures. Assessing Trends in Material Generation, Recycling and Disposal in the United States</i> . Retrieved from US EPA: https://www.epa.gov/sites/default/files/2021-01/documents/2018_tables_and_figures_dec_2020_fnl_508.pdf

6. Contact Information

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