

ENVIRONMENTAL PRODUCT DECLARATION

BEHR MARQUEE® INTERIOR PAINT & PRIMER IN ONE

INTERIOR PAINT



Masco Coatings Group, home to Behr Process Corporation and Masterchem Industries LLC, the makers of BEHR® and KILZ® Brands respectively, is one of the largest manufacturers and suppliers of paint, primers, stains and surface finish products to Do-it-Yourselfers and Professionals. Sustainability is the core concept of our business strategy and culture ensuring top economic, social and environmental performance. Masco Coatings Group'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 Declarations (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.



Shown above: BEHR MARQUEE® Interior Paint and Primer in One series delivers one-coat hide and advanced stain-blocking with superior durability and an easy-clean finish.

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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BEHR MARQUEE® Interior Paint

According to ISO 14025 and ISO 21930:2007

This declaration is an environmental product declaration (EPD) in accordance with ISO 14025. EPDs rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. 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, and the level of accuracy in estimation of effect differs for any particular product line and reported impact. Comparability: EPDs are not comparative assertions and are either not comparable or have limited comparability when they cover different life cycle stages, are based on different product category rules or are missing relevant environmental impacts. EPDs from different programs may not be comparable.



PROGRAM OPERATOR	UL Environment
DECLARATION HOLDER	Behr
DECLARATION NUMBER	4787851154
DECLARED PRODUCT	BEHR MARQUEE® Interior Paint & Primer in One
REFERENCE PCR	PCR for architectural coating: NAICS 325510, NSF 2015
DATE OF ISSUE	April 23, 2018
PERIOD OF VALIDITY	5 Years
CONTENTS OF THE DECLARATION	Product definition and information about building physics Information about basic material and the material's origin Description of the product's manufacture Indication of product processing Information about the in-use conditions Life cycle assessment results Testing results and verifications
The PCR review was conducted by:	Review Panel Chair: Tomas P. Gloria ncss@nsf.org
This declaration was independently verified in accordance with ISO 14025 by Underwriters Laboratories <input type="checkbox"/> INTERNAL <input checked="" type="checkbox"/> EXTERNAL	 Grant R. Martin, UL Environment
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	 Thomas Gloria, Industrial Ecology Consultants

This EPD conforms with ISO 21930:2007



Product Definition

This Environmental Product Declaration covers Behr Process Corporation Behr Marquee® Interior Paints, which deliver superior adhesion and surface sealing. Behr Marquee can be applied to interior surfaces and is ideal for every room.

Declared Product Description

The BEHR MARQUEE® Interior Paint & Primer in One series is Behr’s most advanced interior paint – delivering high performance one coat coverage. The Behr Marquee paint series has superior stain resistance, plus an easy-clean, durable finish. Behr Marquee Interior is GREENGUARD® Gold certified, low VOC and creates a finish that resists mildew, stains, moisture and wear, and stands up to scrubbing. This product line includes the following sheens: 1450 Behr Marquee Matte, 2450 Behr Marquee Eggshell Enamel, 7450 Behr Marquee Satin Enamel, and 3450 Behr Marquee Semi-gloss Enamel, and is available in 8-oz samples, quart, gallon, and 5-gallon size containers. There are tint bases offered for all sheens in the series as follows: Ultra Pure White, Medium, and Deep Bases that tints to over 1,000 one-coat guaranteed colors.

Table 1: List of BEHR MARQUEE® Interior Paint Formulas

Product Number	Sheen	Base Type
1450	Flat	Ultra Pure White
1453	Flat	Deep
1454	Flat	Medium
2450	Eggshell	Ultra Pure White
2453	Eggshell	Deep
2454	Eggshell	Medium
7450	Satin	Ultra Pure White
7453	Satin	Deep
7454	Satin	Medium
3450	Semi-gloss	Ultra Pure White
3453	Semi-gloss	Deep
3454	Semi-gloss	Medium



Product Components Related to Life Cycle Assessment

The material composition of the paints are in the following range:

Table 2: Material composition range in % by mass for the BEHR MARQUEE® Interior Paint line

	Minimum [%]	Maximum [%]
Acrylic resin	21.4	75.7
Additive - adhesion	0.00	0.87
Additive - sodium hexametaphosphate	0.00	0.06
Additive - stain blocker	0.00	1.11
Attapulgite clay	0.00	0.68
Calcium carbonate	0.00	3.84
Ceramic	0.00	9.21
Coalescent	1.01	1.82
Colorant	0.00	0.14
Defoamer	0.40	1.22
Diatomaceous earth	0.00	4.23
Dispersant	0.19	1.16
Kaolin	0.00	3.31
Nepheline syenite	0.00	9.70
Preservative	0.64	0.83
Rheology modifier	1.66	5.60
Solvent	0.20	1.30
Styrene acrylic resin	0.00	6.92
Surfactant	0.48	1.54
Titanium dioxide - slurry	0.00	34.7
Zeolite	0.00	1.11
Water	4.24	12.5

The functional unit for the study was covering and protecting 1m² 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 and design life is based on the quality 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). Design life reference flow and colorant quantity for paint products are shown in Table 4 and market life reference flow and colorant quantity are shown in Table 5. Results were calculated for all base and sheen formulations. For further technical information on Behr Marquee® Interior Paint & Primer, visit behr.com.



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According to ISO 14025

Table 3: Design life by coating type and quality designation

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

Table 4: Design Life- Lifetime, reference flow, and quantity of colorant

	Lifetime (years)	Reference flow	Carbon black input
1450	15	0.564	0.035
1453	15	0.504	0.119
1454	15	0.546	0.0929
2450	15	0.57	0.0349
2453	15	0.48	0.122
2454	15	0.517	0.0949
7450	15	0.547	0.0355
7453	15	0.455	0.125
7454	15	0.505	0.0959
3450	15	0.533	0.0359
3453	15	0.443	0.126
3454	15	0.483	0.0977

Table 5: Market Life- Lifetime, reference flow, and quantity of colorant

	Lifetime (years)	Reference flow	Carbon black input
1450	5	1.69	0.0749
1453	5	1.51	0.243
1454	5	1.64	0.195
2450	5	1.71	0.0748
2453	5	1.44	0.245
2454	5	1.55	0.196
7450	5	1.64	0.0753
7453	5	1.37	0.247
7454	5	1.51	0.197
3450	5	1.6	0.0757
3453	5	1.33	0.249
3454	5	1.45	0.198





Scope and Boundaries of the Life Cycle Assessment

System Boundaries

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

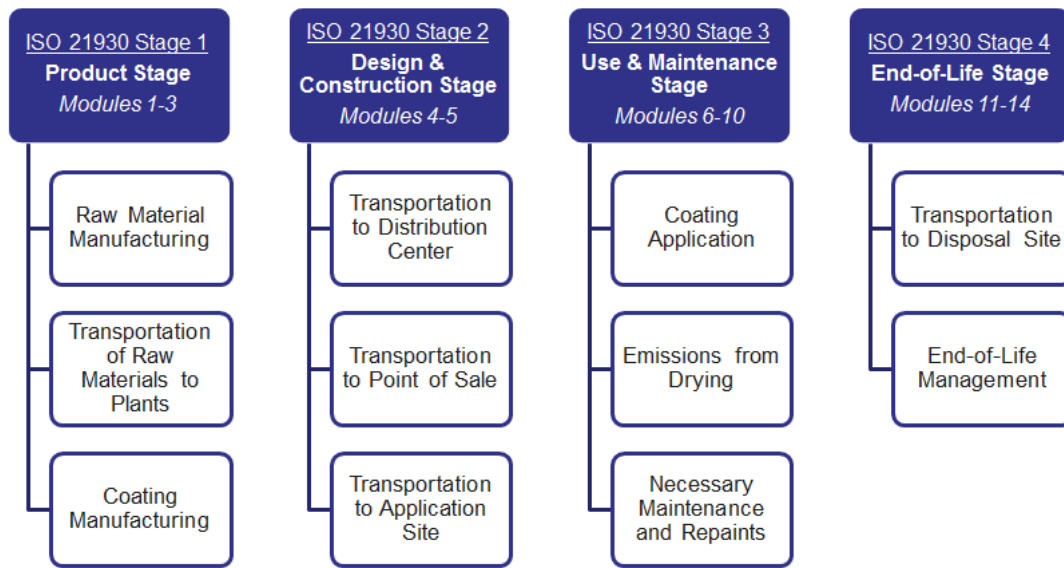


Figure 1: System boundaries for cradle to grave LCA

Assumptions

The described modeling approach makes assumptions in order to represent the cradle-to-grave environmental performance of Behr paint products. These assumptions include those that are prescribed by the PCR, such as in packaging disposal and recovery treatment, as well as transportation distances and use phase assumptions.

Cut-off Criteria



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

Data Quality

Primary data were obtained from Behr's eight facilities, one each in Chicago Heights, IL; Allentown, PA; St. Louis, MO; Roanoke, TX; and Atlanta, GA; and three in Santa Ana, CA for the 2016 reference year. Background data were obtained from the GaBi 2017 database and are representative of the years 2007-2016. Overall, both primary and background data are representative of the product system and have been deemed very good quality.

Allocation

Manufacturing inputs for the eight facilities were allocated to each paint product by mass.

Product Stage

Behr Marquee® Interior Paint & Primer are produced at Behr's production facilities according to the following processing steps.

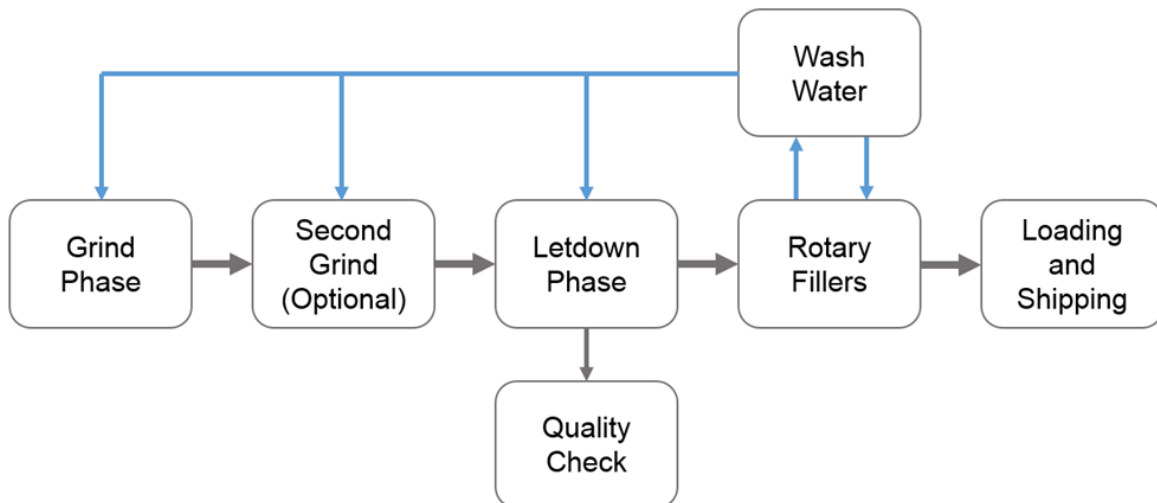


Figure 2: Behr Process flow schematic





Design and Construction Stage

The design and construction stage begins with the packaged paint product leaving the production site and ends with the coating being delivered to the point of application. Within this stage, the paint product is modeled as distributed to a warehouse and from there to Home Depot stores. At the stores, it is purchased and transported to the point of application. This stage also includes the addition of colorant, represented by carbon black, at the point of sale, per the PCR.

Use and Maintenance Stage

Application and Use

The use stage begins when the user applies the product to a substrate. Environmental burdens associated with repaints are attributed to the original stage in which they occurred (e.g. production of the coating for the repaint is attributed to Stage 1 - Product). This stage does not require any energy or additional cleaning inputs, but includes the VOCs emitted during application. The Behr Marquee® Interior Paint & Primer are low VOC paint products and VOC compliant in all regulated areas.

Health, Safety, and Environmental Aspects during Installation

Customers obtain material from a store or have the store deliver it. The customer or their contractor applies the coating to substrate(s) at customer site(s). The coating remains on the substrate material until the substrate is disposed of. This may include up to a 60 year life time, with additional /subsequent protective coatings. If the coating is handled and applied using the recommendations in the safety data sheet and technical data sheet, minimal health and environmental impacts should occur, and maximum product and substrate life should be expected.

Waste

Disposal of any leftover coating and discarded packaging is categorized under the end-of-life stage. A 10% paint loss rate during application was included per the PCR.

Packaging

Behr Marquee® Interior Paints are available in 8-oz samples, quart, 1-gallon, and 5-gallon containers. The plastic packaging is often made from 100% recycled material.

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End of Life Stage

Recycling or Reuse

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

Unused Materials

The manufacturing facilities recycle materials and by-products. The Chicago Heights, Atlanta, Garry, and Roanoke facilities also send off-spec products to GDB International, an organization that recycles paint waste into paint products.

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 9.5% for plastics, 33% for metals, and 65% for paper and corrugate material. Recovery rates represent the average fraction of generated waste that is recovered in the US.



Life Cycle Impact Assessment

In accordance to the guiding PCR, TRACI 2.1 impact characterization methodology is used to calculate the declared environmental impacts, except for global warming potential results, which follow the methodology in the IPCC 5th assessment report. Additional inventory metrics are also calculated per the guiding PCR. The declared impacts and inventory metrics are summarized in this section.

Key Environmental Parameters

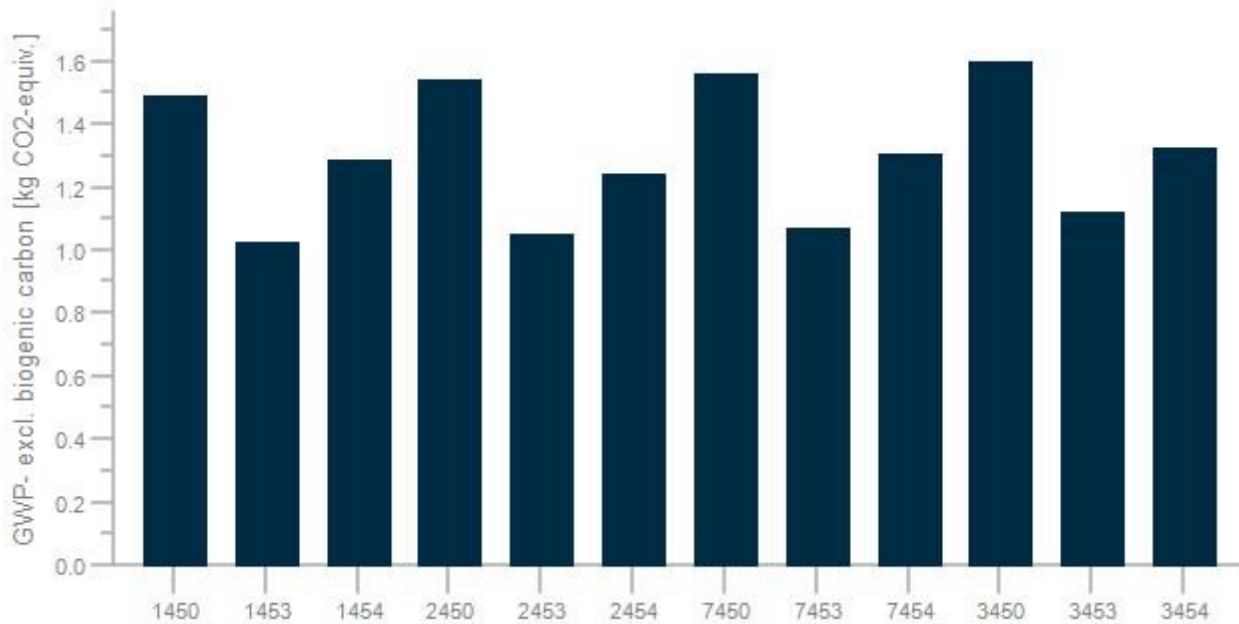


Figure 3: Global warming potential, excluding biogenic carbon for design lifetime

Table 6: Impact assessment results for design lifetime by PCR stages, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
GWP, excl. biogenic carbon [kg CO2-Equiv.]	1.28E00	1.75E-01		3.18E-02
GWP, incl. biogenic carbon [kg CO2-Equiv.]	1.29E00	1.72E-01		3.23E-02
Acidification [kg SO2-Equiv.]	2.42E-02	4.87E-04		4.48E-04
Eutrophication [kg N-Equiv.]	2.53E-04	4.36E-05		1.72E-04
Ozone depletion [kg CFC 11-Equiv.]	1.38E-09	4.76E-12		1.13E-10
Smog formation [kg O3-Equiv.]	5.66E-02	1.14E-02	2.48E-10	3.95E-03



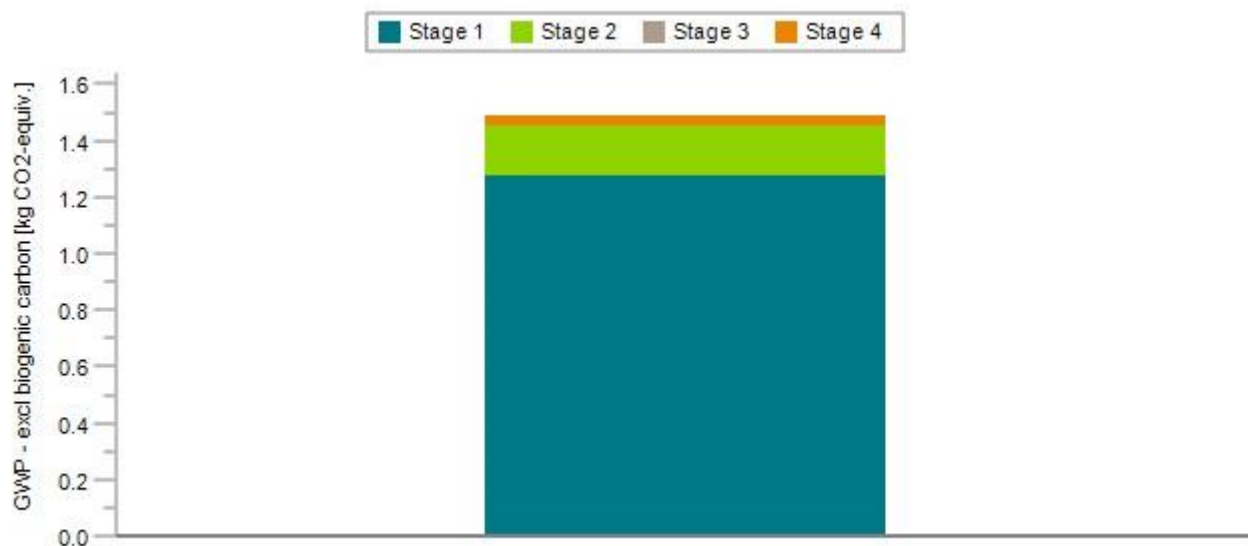


Figure 4: Global warming Potential, excluding biogenic carbon for design lifetime, (representative product, Behr Marquee® 1450)

Table 7: Impact assessment results for design lifetime

	GWP, excl. biogenic carbon [kg CO2-Equiv.]	GWP, incl. biogenic carbon [kg CO2-Equiv.]	Acidification [kg SO2-Equiv.]	Eutrophication [kg N-Equiv.]	Ozone depletion [kg CFC 11-Equiv.]	Smog formation [kg O3-Equiv.]
1450	1.49E00	1.49E00	2.52E-02	4.68E-04	1.50E-09	7.19E-02
1453	1.02E00	1.01E00	3.15E-03	3.18E-04	1.06E-09	4.40E-02
1454	1.29E00	1.29E00	1.60E-02	4.03E-04	1.38E-09	5.92E-02
2450	1.54E00	1.54E00	2.82E-02	4.84E-04	1.71E-09	7.43E-02
2453	1.05E00	1.04E00	3.21E-03	3.14E-04	1.06E-09	4.44E-02
2454	1.24E00	1.24E00	1.41E-02	3.82E-04	1.42E-09	5.60E-02
7450	1.56E00	1.56E00	2.81E-02	4.78E-04	1.77E-09	7.42E-02
7453	1.07E00	1.06E00	3.26E-03	3.11E-04	1.25E-09	4.45E-02
7454	1.30E00	1.30E00	1.54E-02	3.88E-04	1.11E-09	5.79E-02
3450	1.60E00	1.60E00	2.88E-02	4.81E-04	1.55E-09	7.59E-02
3453	1.12E00	1.11E00	3.41E-03	3.16E-04	1.35E-09	4.68E-02
3454	1.33E00	1.32E00	1.59E-02	3.90E-04	1.58E-09	5.95E-02



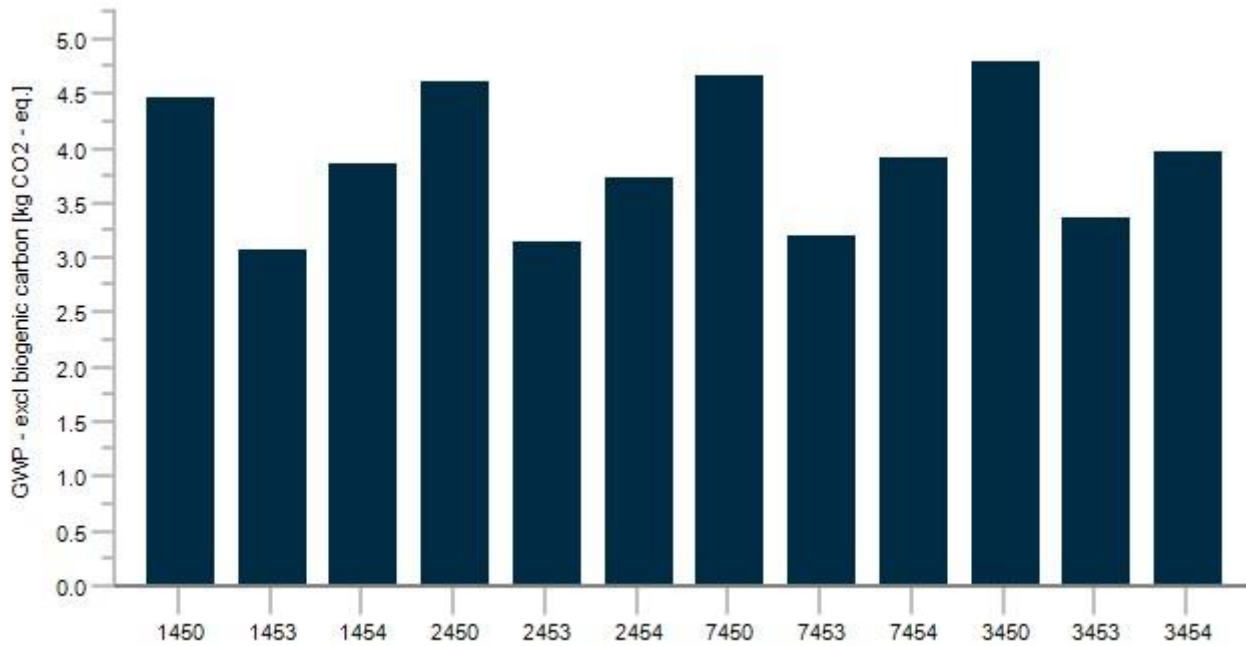


Figure 5: Global warming potential, excluding biogenic carbon for market lifetime

Table 8: Life cycle inventory data for market lifetime, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
GWP, excl. biogenic carbon [kg CO2-Equiv.]	3.85E00	5.25E-01		9.53E-02
GWP, incl. biogenic carbon [kg CO2-Equiv.]	3.86E00	5.16E-01		9.69E-02
Acidification [kg SO2-Equiv.]	7.27E-02	1.46E-03		1.34E-03
Eutrophication [kg N-Equiv.]	7.58E-04	1.31E-04		5.15E-04
Ozone depletion [kg CFC 11-Equiv.]	4.14E-09	1.43E-11		3.40E-10
Smog formation [kg O3-Equiv.]	1.70E-01	3.43E-02	7.45E-10	1.18E-02



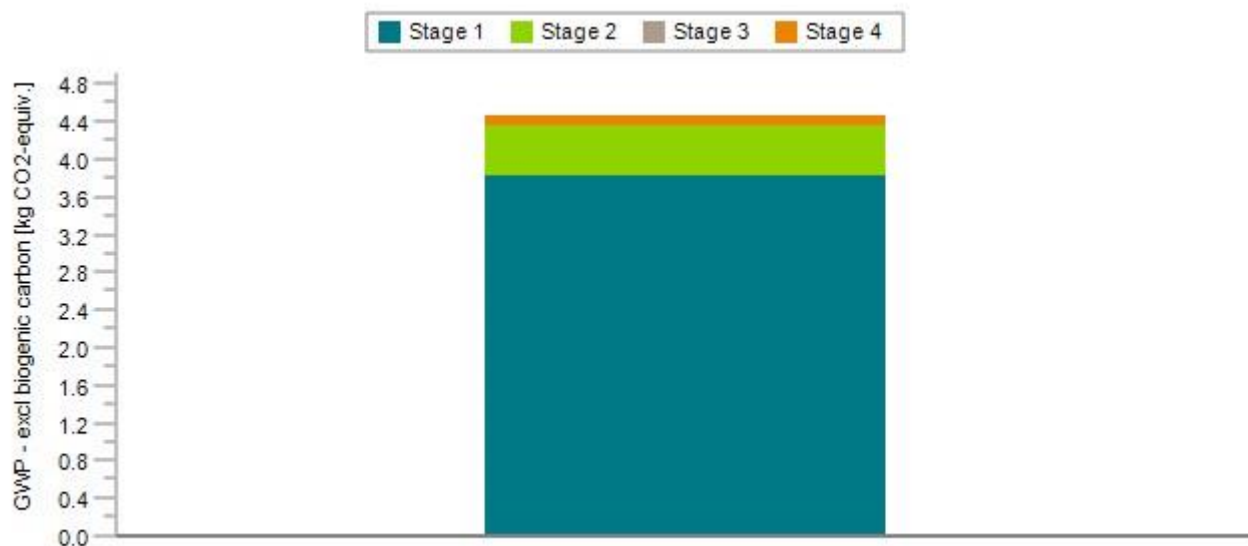


Figure 6: Global warming Potential, excluding biogenic carbon for market lifetime, (representative product, Behr Marquee® 1450)

Table 9: Impact assessment results for market lifetime

	GWP, excl. biogenic carbon [kg CO2-Equiv.]	GWP, incl. biogenic carbon [kg CO2-Equiv.]	Acidification [kg SO2-Equiv.]	Eutrophication [kg N-Equiv.]	Ozone depletion [kg CFC 11-Equiv.]	Smog formation [kg O3-Equiv.]
1450	4.47E00	4.47E00	7.55E-02	1.40E-03	4.49E-09	2.16E-01
1453	3.07E00	3.04E00	9.46E-03	9.55E-04	3.18E-09	1.32E-01
1454	3.87E00	3.86E00	4.79E-02	1.21E-03	4.15E-09	1.77E-01
2450	4.62E00	4.62E00	8.46E-02	1.45E-03	5.13E-09	2.23E-01
2453	3.15E00	3.12E00	9.62E-03	9.43E-04	3.17E-09	1.33E-01
2454	3.73E00	3.72E00	4.24E-02	1.15E-03	4.27E-09	1.68E-01
7450	4.67E00	4.68E00	8.43E-02	1.44E-03	5.32E-09	2.22E-01
7453	3.20E00	3.17E00	9.77E-03	9.32E-04	3.76E-09	1.34E-01
7454	3.91E00	3.90E00	4.62E-02	1.16E-03	3.33E-09	1.74E-01
3450	4.79E00	4.80E00	8.64E-02	1.44E-03	4.65E-09	2.28E-01
3453	3.36E00	3.33E00	1.02E-02	9.47E-04	4.05E-09	1.40E-01
3454	3.98E00	3.97E00	4.76E-02	1.17E-03	4.74E-09	1.78E-01

Material and Energy Resources, Emissions, and Wastes





The additional inventory results required by the PCR for each product are shown in the tables below.

Table 10: Energy resources for design lifetime, (representative product, Behr Marquee® 1450) [MJ, net calorific value]

	Stage 1	Stage 2	Stage 3	Stage 4
Crude oil (resource)	7.64E00	2.79E00		2.47E-01
Hard coal (resource)	4.06E00	8.34E-02		-2.78E-02
Lignite (resource)	8.85E-01	9.32E-03		1.34E-02
Natural gas (resource)	1.18E01	1.31E-01		3.60E-02
Peat (resource)	1.01E-03	5.13E-06		-1.13E-07
Uranium (resource)	1.29E00	4.25E-02		4.77E-03
Primary energy from geothermics	3.32E-02	1.42E-03		-2.06E-04
Primary energy from hydro power	2.60E-01	9.60E-03		2.77E-03
Primary energy from solar energy	8.50E-01	9.77E-02		2.32E-02
Primary energy from waves	1.43E-08	4.09E-15		-2.92E-09
Primary energy from wind power	3.35E-01	7.60E-03		2.67E-03

Table 11: Material resources for design lifetime, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
Non renewable resources	2.55E00	2.94E-02		1.37E-01
Renewable resources	5.93E02	1.66E01		1.23E01

Water consumption constitutes the majority of renewable resource consumption.

Table 12: Other environmental information for design lifetime, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
Blue water consumption [kg]	6.59E00	7.16E-01		3.85E-02
Hazardous waste, deposited [kg]	4.38E-06	5.36E-07		1.93E-09
Non-hazardous waste, deposited [kg]	1.67E-02	2.78E-04		6.42E-01
Recycled materials [kg]				7.69E-03
Secondary raw material [kg]	5.42E-04			

Table 13: Energy resources for market lifetime, (representative product, Behr Marquee® 1450) [MJ, net calorific value]

	Stage 1	Stage 2	Stage 3	Stage 4
Crude oil (resource)	2.29E01	8.36E00		7.41E-01



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Hard coal (resource)	1.22E01	2.50E-01		-8.34E-02
Lignite (resource)	2.66E00	2.79E-02		4.02E-02
Natural gas (resource)	3.55E01	3.92E-01		1.08E-01
Peat (resource)	3.04E-03	1.54E-05		-3.39E-07
Uranium (resource)	3.86E00	1.27E-01		1.43E-02
Primary energy from geothermics	9.95E-02	4.27E-03		-6.17E-04
Primary energy from hydro power	7.80E-01	2.88E-02		8.30E-03
Primary energy from solar energy	2.55E00	2.93E-01		6.95E-02
Primary energy from waves	4.28E-08	1.23E-14		-8.75E-09
Primary energy from wind power	1.01E00	2.28E-02		8.00E-03

Table 14: Material resources for market lifetime, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
Non renewable resources	7.65E00	8.83E-02		4.10E-01
Renewable resources	1.78E03	4.97E01		3.68E01

Water consumption constitutes the majority of renewable resource consumption.

Table 15: Other environmental information for market lifetime, (representative product, Behr Marquee® 1450)

	Stage 1	Stage 2	Stage 3	Stage 4
Blue water consumption [kg]	1.98E01	2.15E00		1.16E-01
Hazardous waste, deposited [kg]	1.31E-05	1.61E-06		5.78E-09
Non-hazardous waste, deposited [kg]	5.00E-02	8.35E-04		1.93E00
Recycled materials [kg]				2.31E-02
Secondary raw material [kg]	1.63E-03			

Impact Assessment Interpretation

For the Behr Marquee® Interior Paint products, raw materials and manufacturing (Stage 1) are the highest contributors to all impact categories. The impact from the design and construction stage is small but not insignificant and can be mostly attributed to transportation.



Other Environmental Information



GREENGUARD Certification

Behr Marquee® is 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.



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

Behr Marquee® is 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 2 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).

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References

GABI TS 2017	thinkstep AG; GaBi ts: Software-System and Database for Life Cycle Engineering. Copyright, TM. Stuttgart, Echterdingen, 1992-2016.
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
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.
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 2015	US Environmental Protection Agency. (2015, June). <i>Advancing Sustainable Materials Management: 2013 Fact Sheet. Assessing Trends in Material Generation, Recycling and Disposal in the United States</i> . Retrieved from US EPA: https://www.epa.gov/sites/production/files/2015-09/documents/2013_advncng_smm_fs.pdf

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