Environmental Product Declaration

In accordance with ISO 14025:2006 & EN 15804:2012 +A2:2019/AC:2021





Interior & exterior wall coatings & primers (EPD of multiple products)





An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

Program information

PROGRAM OPERATOR

EPD International AB



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Product Category Rules (PCR):	CEN Standard EN 15804 serves as the Core Product Category Rules (PCR) PCR 2019:14 Construction products version 1.2.5	
PCR review was conducted by:	The technical Committee of the International EPD® System. See www.environdec.com/TC for a list of members. Review chairs: Claudia A. Pena, University of Chile, The review panel may be contacted via the Secretariat www.environdec.com/contact.	
LCA Accountability:	SustChem Technical Consulting S.A. www.sustchem.gr	
Third-party verifier: Independent third-party verificaton of the declaration and data, according to ISO 14025:2006, via:	Business Quality Verification P.C. Approved certification body accountable for the third-party verification www.bqv.gr – info@bqv.gr	
The certification body is accredited by: Procedure for follow-up of data during EPD validity involves third-party verifier:	Hellenic Accreditation System ESYD with accreditation number 1218 Yes No	

The EPD owner has the sole ownership, liability and responsibility for the EPD

EPDs within the same product category but registered in different EPD programmes may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterization factors); have equivalent content declarations; and be valid at the time of comparison.

Company profile



BERLING SA is a Greek Paint Manufacturing Industry that operates in production and distribution of building, insulating, thermal insulation, industrial, decorative paints, and furniture paints. We offer our products and services, both through a wide nationwide network partner, as well as through alternatives distribution networks.



The needs of climate, housing, construction infrastructure of the total color ecosystem, bear the signature of significant experience and Berlings contribution to the Greek area. At the same time, we look forward to continuous expansion of activities with innovative and ecological products, both in Greece and abroad.

BERLING's **drive and passion** for adding value to its customers have managed to supply high quality products for 55 years in Greek market, because as we've been saying for a long time... **Color has a Name**.

One of the many important **milestones** was in April 1998, when the company was awarded with the first European Eco label award for its Ecological interior wall paint "Petite". BERLING was the first Greek company that has been awarded with the European Union's **Ecolabel** in all sectors and the third in Europe. Since then, the certified ecological products have reached the number of 21 and the number is constantly growing. **BERLING** shows sensitivity in practice for the environment and people, fully compliant with legislation and the international standards and aims at a sustainable economic development.

With respect to environment and nature, designed and implements one Environmental Management System in all stages of the Production process.

Since 2006 BERLING has been certified for implementation of both the:

EN ISO 14001:2015 standard European EMAS regulation with number EL000047

Berling is always aiming for Greener Residential Living conditions and for a greener future for the next generations.

Product Description



The products covered by this EPD are Premium quality coatings and primers, harmonized to improve the Household hygiene living conditions, reduce the Environmental CO2 Footprint while providing the Highest properties.

Applied by roller, brush, or spray which if combined with proper surface pre-treatment, in accordance with the application instructions, drying behavior, and interval times alignment. Berling's coatings can deliver projects of the highest standards meeting the highest needs.

For any detailed information about the coatings, please refer to the Technical Data Sheets issued by Berling's RnD department.





PETITE SATIN (white, base A, base C)

Excellent quality, ecological, emulsion paint, suitable for all kinds of interior surfaces and especially for children's bedrooms. It has high resistance to washing and a smooth, satin finish. The first Greek paint awarded with the European Ecolabel.



- Satin finish
- Excellent adhesion
- Excellent opacity
- Excellent coverage
- High washing resistance
- High whiteness

- Easy to apply
- Very low Volatile Organic Compounds content
- Awarded with the EU Ecolabel (Registry No EL / 044/001)

TECHNICAL SPECIFICATIONS

V.O.C	10gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.38 ± 0.03 gr/cm ³ (ISO 2811) for white
Viscosity	80-100 K.U., 25°C (ASTM D562) for white
рН	7.7-8.7
Coverage	9-11m²/lt (ISO 6504/1)





PETITE MATT (White, Base A, Base B, Base C)

Excellent quality, ecological, matt emulsion paint for indoor use, suitable for walls and ceilings. Ideal for interior use and especially for children's bedrooms. It is easily applied and demonstrates excellent coverage and washable properties. It has very good adhesion on all properly prepared surfaces and high whiteness.



- Full matt finish
- Excellent coverage and performance
- Very good adhesion
- Excellent washability
- High whiteness
- Easy to apply

- Almost odorless
- Very low Volatile Organic Compounds content
- Awarded with the EU Ecolabel. (Registry No EL / 044/001)

TECHNICAL SPECIFICATIONS

V.O.C	10 gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.40 ± 0.03 gr/cm ³ (ISO 2811), for white
Viscosity	90-105 K.U., 25°C (ASTM D562), for white
рН	7.7-8.7
Coverage	11 – 13m²/lt for final surface and coverage up to 98%. (ISO 6504/1) and 17-20m²/lt, per coating





PETITE CLASSIC MATT (White, Base A, Base B, Base C)

Excellent quality, odorless, with very low volatile compounds, emulsion matt paint for internal use, suitable for all kinds of surfaces. Its advanced synthesis gives an excellent aesthetic result with main characteristics high coverage and whiteness, uniform spread and levelling and good resistance to washing.



- Odorless interior wall paint
- Excellent coverage
- Very low content of Volatile
 Organic Compounds
- High whiteness
- High performance

- Very good adhesion
- Full matt finish
- High resistance to wet cleaning
- High resistance to rubbing
- Easy to apply

TECHNICAL SPECIFICATIONS

V.0.C	<8.5 gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.66 ± 0.03 gr/cm ³ (ISO 2811), for white
Viscosity	115-125 K.U., 25°C (ASTM D562), for white
рН	8-9
Coverage	14–16m²/lt per coat





FORMAFREE (White, Base A, B, C)

Special, high-quality water-based paint for walls and ceilings for interior use. It develops an active substrate which can eliminate the formaldehyde that is present in the air and has a zero impact regarding VOC emissions. Formafree achieves a perfect aesthetic result of high-quality standards. while also contributing to the improvement of indoor air quality.



- Formaldehyde eliminator
- Zero VOC content
- Extreme low dangerous substances content
- Total emissions category A+
- High opacity and coverage

- Good mechanical resistance
- Good resistance to often cleaning
- Fast drying properties
- Odorless

TECHNICAL SPECIFICATIONS

V.O.C	0 gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.57 ± 0.03 gr/cm ³ (ISO 2811), for white
Viscosity	90-105 K.U., 25oC (ASTM D562), for white
рН	8.5-9
Coverage	13-15m²/lt per coating





ACRYLUX (White, Base A, B, C)

Acrylux is of top quality and coverage 100% acrylic paint, brilliant-white, with excellent resistance to weather conditions changes, suitable for painting all types of exterior surfaces such as plaster, concrete, plasterboard, cement boards etc. Due to its special composition, no cracking appears on the surface even when applied at an ambient temperature above 40°C. It is brilliant-white and gives excellent coverage, opacity, and great ease of application.



- Brilliant White acrylic paint
- High coverage and opacity
- High adhesion properties
- Excellent resistance to weather condition changes
- Great resistance to UV radiation
- Low water absorption
- Alkali resistance

TECHNICAL SPECIFICATIONS

V.O.C	35 gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.50 ± 0.03gr/cm ³ (ISO 2811). for white
Viscosity	115-130 K.U 25°C (ASTM D562). for white
рН	7.7-8.7
Coverage	11 - 13m²/lt



ACRYLIC PAINTS FOR EXTERIOR USE



ECO ACRYLIC (White)

High quality ecological acrylic paint with high resistance to weather conditions changes, suitable for all the exterior surfaces and especially for visible concretes. It is the ideal solution for the professional user who wants ease of work and guaranteed results, in combination with a good price.



- Easy to apply
- Good adhesion (ISO 4624)
- High coverage
- Matt finish
- Great resistance to weather condition changes
- Low water absorption (EN 1062-3)
- High resistance to chalking (ISO 4628-6:2007)

- High resistance to alkalis
- (ISO 2812-4:2007)
- Low Content in Volatile Organic Compounds
- Low Content in hazardous substances
- Harmonized with the environmental requirements of the EU eco-labeling.

TECHNICAL SPECIFICATIONS

V.O.C	25 gr/lt (max content in Volatile Organic Compounds of thinned - ready to use product)
Density	1.62± 0.03 ISO 2811 for white
Viscosity	110 – 130 K.U., 25°C (ASTM D562) for white
рН	7.7-8.7
Coverage	9-11 m ² /lt depending on the application method and the surface absorptivity.



ACRYLIC PAINTS FOR EXTERIOR USE



ACRYLIC EMULSION PRIMER

100% acrylic water-based primer used prior the finishing with emulsion or acrylic paints. Suitable for indoor and outdoor use.



- Transparent substrate
- Very good adhesion
- High performance
- Low Volatile Organic
 - Compounds content

TECHNICAL SPECIFICATIONS

VOC	10gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.02 + 0.03gr/cm ³ (ISO 2811)
Viscosity	90-110 K.U., 25°C (ASTM D562)
рН	7.8-8.8
Coverage	10 - 12m ² /lt depending on application meth+od and the kind of the surface



PRIMERS



WHITE ACRYLIC PRIMER

White, semi-transparent, 100% acrylic primer for internal and external use for both emulsion and acrylic paints. Suitable for all types of surfaces such as plaster, bricks, plasterboard and surfaces already painted with emulsion or acrylic paints. It has good adhesion, high performance and facilitates the application of the final coating. It excels over the other primers due to its translucency which improves the coverage of the final coating while at the same time it can be tinted in the shade of the final paint.



- White semi-transparent substrate
- It is tinted in light-color shades. by improving the coverage
- High adhesion

- High performance.
- Low Volatile Organic Compound content.

TECHNICAL SPECIFICATIONS

VOC	10gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.20± 0.03 ISO 2811
Viscosity	60-80 K.U 25°C (ASTM D562)
рН	7.7-8.7
Coverage	12-14 m ² /lt. depending on the application method







PLASTERBOARD PRIMER

White, water-based, acrylic primer for interior surfaces with excellent filling capacity and high coverage. It is designed to reduce the absorbency of the surface to be painted and especially for plasterboard and other structural surfaces such as plaster, concrete etc., contributing to the coverage and uniformity of the final paint.



PRIMERS

- Excellent filling capacity.
- Reduces the absorbency of plasterboard
- Very good adhesion
- Great coverage

- It can be tinted in light shades.
- Excellent result with just one coating
- Low Volatile Organic Compounds content.

TECHNICAL SPECIFICATIONS

VOC	15gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.39 ± 0.03gr/cm ³ (ISO 2811)
Viscosity	90-110 K.U., 25°C (ASTM D562)
рН	7.7-8.7
Coverage	18 - 20m²/lt. similar absorbency of the surface to be painted.





NATURE AQUAFIX

Transparent, water based, odorless, micronize acrylic primer, environmental and user friendly for interior use. It eliminates the absorption of the surface (plaster and plasterboards), consolidates problematic surfaces (already painted with lime) and increases the adhesion of overlying water based acrylic or emulsion coatings. Nature Aquafix outweighs the traditional undercoats as it is solvent – free and environmentally friendly.



- High penetrance to the surface
- High performance
- Very good adhesion
- Very easy to apply
- Free of ammonia lead

- mercury and other heavy metals.
- Nearly odorless
- Very low in Volatile Organic
 Compounds
- Harmonized with directive 2004/42/EC

TECHNICAL SPECIFICATIONS

VOC	10gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.01± 0.02 ISO 2811 (White)
Viscosity	14-18 sec. 25°C (Flow cup 4 DIN 53211)
рН	8-8.5
Coverage	5-8 m ² /lt depending on the application methodand the kind of the surface







BERLING NANOPRIMER

One component, waterproof, water-based primer based on special nanotechnology resins. It penetrates deep into the lower pores of the substrate and at the same time gives it an increased hydrophobicity. This way it can stabilize the surfaces before painting, reduces their absorbency, enhances the adhesion of the paints and contributes to a more uniform spreading and better finishing. Also due to the hydrophobicity that the substrate acquires, the humidity is impeded from the exterior to the interior of the substrate and cracking is prevented. At the same time, it allows the surface to breathe and can emit any water vapor. Suitable for substrates of cement, concrete, plaster as well as for puttied surfaces. Ideal for loose chalked or painted substrates.



- One component nanotechnology water-based • Stabilizes loose substrates hydrophobic primer.
- Helps to uniformly spread the final paints.
- Provides waterproofing properties to the substrate
- Prevents humidity from entering the substrate

- Excellent penetration capacity
- before the final paintin
- Ready to use No thinning is required
- Recoated by emulsion. acrylic or insulating paints
- Low in volatile organic solvents.
- Almost odorless

TECHNICAL SPECIFICATIONS

VOC	15gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.02 ± 0.03gr/cm ³ (ISO 2811)
Viscosity	9-16sec, 25°C (Cup 4 DIN 53211)
рН	8-9
Coverage	8 - 10m²/lt. depending on application method and the kind of the surface



PRIMERS



EXPERT PRIMER

Water-based multi-purpose primer based on acrylic resins, ideal for both interior and exterior use. It stands out for its high adhesion and penetration on non-absorbent surfaces such as galvanized iron, aluminum, glass, tiles and more, as well as on absorbent surfaces like plaster, particleboard, concrete, gypsum and others. Its exceptional composition allows for the isolation and coverage of stubborn stains such as smoke, nicotine, mold, coffee, markers, preventing their reappearance. Additionally, it inhibits the migration of salts onto the final paint surface. The product offers excellent workability and provides a smooth application on various surfaces.



- Enhances the durability of the final color
- High performance
- Very good adhesion
- Very low in Volatile Organic Compounds.

TECHNICAL SPECIFICATIONS

VOC	29gr/lt (Maximum Volatile Organic Compounds content ready for use)
Density	1.40± 0.02 ISO 2811 (White)
Viscosity	105-115 K.U., 25°C (ASTM D562)
рН	8-9
Coverage	12-15 m ² /lt depending on the type and the absorbency of the surface



PRIMERS



This is an EPD of multiple products. The content declaration reflects the composition of a "worst-case" product. Based on the LCA studies, the product with the most intensive environmental impacts is the coating paint Petit Smooth Satin (white).

Composition of Petit Smooth Satin (White Base)

Product Components	Weight (kg)	Biogenic Content (kg)
Pigment and fillers	0.35	-
water	0.25	-
resin	0.34	-
additives	0.06	-
Total	1	
Packaging	Weight (kg)	Biogenic Content (kg)
Polyurethane	0.000201	-
polypropylene	0.038	-
wooden pallet	0.014	0.00026

No substances included in the Candidate list of Substances of Very High Concern for authorization under the REACH Regulations that exceed 0.1% of the total weight are present in the examined products.



Production Process



LCA Information



DECLARED UNIT:

The declared unit is one 1 kg of coating. For the declaration of the results, a worst-case approach has been followed. **Time Representativeness** January 2022 – December 2022 Geographical Scope Europe **System Boundaries** This LCA study follows a "cradle-to-gate" with modules C & D approach.

System Diagram

	Product Stage			Constr proces	uction s stage	Use Stage				End-of-life stage			Resource Recovery stage				
	Raw Material Supply	Transport	Manufacturing	Transport	Construction Installation	use	Maintenance	Repair	Replacement	Refurbishment	Operational Energy Use	Operational Water Use	De-construction demolition	Transport	Waste Processing	Disposal	Reuse-Recovery- Recycling potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules Declared	X	Х	Х	ND	ND	ND	ND	ND	ND	ND	ND	ND	Х	Х	Х	Х	Х
Geography	EU-28	EU-28	GR	-	-	-	-	-	-	-	-	-		EU	-28		EU-28
Specific Data used		>90%		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation- Products	GHG-G of prod worst	WP vari ucts fro -case (1 70.76 %)	ations m the .76%	-	-	-	_	-	-	_	_	-	_	_	_	_	-
Variation- sites	Not	Releva	int	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DATABASES USED: Ecoinvent 3.8.1 & Professional 2021

SOFTWARE: GaBi ts version 10.6.0.110

System Diagram





Description of the examined Modules



Cut-offs

- For simplicity reasons, the 99% of raw material inputs is included in the LCA study
- The consumption of diesel for the operation of work machines is not considered
- The consumption of ancillary chemicals for wastewater treatment are not considered.

Allocations

- Specific data for the consumption of primary packaging are used based on sale volumes. For tertiary packaging, the consumption volumes are known for the whole plant. Hence an allocation by mass is applied.
- Recorded Electricity is related to the total consumption of the plant. Hence an allocation by mass is applied.
- Production wastes are retrieved from the waste electronic registry of the company for 2022. Wastes are attributed to specific production lines, based on their occurrence and allocated by mass to the capacity of each attributed line.

Assumptions

- Due to the lack of specific data for the transportation routes, a worst-case approach of road transportation is assumed. This approach is acceptable since transport by truck in general leads to higher potential environmental impact on comparison to ship transportation.
- A default mean "Truck Euro 6 9.3t payload. 12 – 14t gross weight" is assumed for road transportations.
- Processes until the end-of-waste state are based on scenarios, since after arrival to the collection sites, no other information regarding the treatment of wastes is known. In particular, it is assumed that production wastes are recovered for energy production.

Environmental performance indicators



Potential environmental impacts/ 1 kg of petite satin (white)

Environmental Indicator	Unit	A1-A3	C1	C2	C3	C4	D
Climate Change – total	kg CO2 eq.	2.57E+00	6.18E-04	1.23E-02	0.00E+00	5.29E-03	-5.99E-03
Climate Change - Fossil	kg CO2 eq.	2.55E+00	6.41E-04	1.22E-02	0.00E+00	5.27E-03	-5.94E-03
Climate Change - Biogenic [1]	kg CO2 eq.	1.39E-02	-2.80E-05	-1.54E-05	0.00E+00	1.86E-05	-4.30E-05
Climate Change - Land Use and Land	kg CO2 eq.	2.33E-03	5.06E-06	9.91E-05	0.00E+00	5.07E-06	6.84E-06
Use Change							
Global Warming Potential- GWP-GHG	kg CO2 eq.	2.55E+00	6.46E-04	1.23E-02	0.00E+00	5.27E-03	-5.93E-03
Ozone Depletion	kg CFC-11 eq.	2.58E-07	7.89E-20	1.55E-18	0.00E+00	2.13E-09	-1.12E-16
Acidification	Mole of H+ eq.	1.26E-02	3.04E-06	1.18E-05	0.00E+00	4.95E-05	-1.14E-05
Eutrophication. fresh water	kg P eq.	9.50E-04	1.83E-09	3.59E-08	0.00E+00	4.82E-07	-1.31E-08
Eutrophication. marine	kg N eq.	2.30E-03	1.43E-06	3.69E-06	0.00E+00	1.72E-05	-2.88E-06
Eutrophication. terrestrial	Mole of N eq.	2.25E-02	1.58E-05	4.44E-05	0.00E+00	1.89E-04	-3.05E-05
Photochemical Ozone Formation.	kg NMVOC eq.	9.12E-03	4.03E-06	1.01E-05	0.00E+00	5.49E-05	-7.91E-06
human health							
Resource use. mineral and metals ^[2]	kg Sb eq.	1.62E-02	4.70E-11	9.21E-10	0.00E+00	1.20E-08	-1.47E-09
Resource use. fossils [2]	MJ	5.38E+01	8.22E-03	1.61E-01	0.00E+00	1.48E-01	-1.05E-01
Water Use [2]	m3 world equiv.	1.82E+00	5.36E-06	1.05E-04	0.00E+00	6.77E-03	-7.53E-04

[1] This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product

[2] The results of the specific environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

Environmental performance indicators



Potential environmental impacts/ 1 kg of petite satin (white)

Energy use	Unit	A1-A3	C1	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources as raw materials (PERE)	MJ.Net Calorific Value	3.09E+00	4.59E-04	8.99E-03	0.00E+00	1.28E-03	-3.85E-02
Use of renewable primary energy resources used as raw materials (PERM)	MJ.Net Calorific Value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources (primary energy resourxes used as raw material and primary energy (PERT)	MJ.Net Calorific Value	3.09E+00	4.59E-04	8.99E-03	0.00E+00	1.28E-03	-3.85E-02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials (PENRE)	MJ.Net Calorific Value	5.38E+01	8.23E-03	1.61E-01	0.00E+00	1.48E-01	-1.05E-01
Use of non-renewable primary energy resources used as raw materials (PENRM)	MJ.Net Calorific Value	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources (PENRT)	MJ.Net Calorific Value	5.38E+01	8.23E-03	1.61E-01	0.00E+00	1.48E-01	-1.05E-01
Use of renewable secondary fuels	MJ.Net Calorific Value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ.Net Calorific Value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of net fresh water	m ³	4.59E-02	5.25E-07	1.03E-05	0.00E+00	1.58E-04	-3.79E-05



Environmental performance indicators



Potential environmental impacts/ 1 kg of petite satin (white)

Additional Environmental Impact Indicators	Unit	A1-A3	C1	C2	C3	C4	D
Particulate Matter emissions	Disease incidence	7.86E-08	2.61E-12	7.09E-11	0.00E+00	9.70E-10	-1.04E-10
lonizing radiation human [3]	kBq U235 eq.	2.25E-01	1.43E-06	2.79E-05	0.00E+00	6.53E-04	-2.03E-03
Eco-toxicity. freshwater [2]	CTUe	5.85E+01	5.94E-03	1.16E-01	0.00E+00	9.34E-02	-3.55E-02
Human toxicity. cancer effects [2]	CTUh	2.68E-09	1.20E-13	2.35E-12	0.00E+00	2.36E-12	-1.14E-12
Human to -cancer effects [2]	CTUh	1.12E-07	7.21E-12	1.21E-10	0.00E+00	6.06E-11	4.24E-11
Land use related impacts/Soil quality [2]	-	2.33E+01	2.82E-03	5.53E-02	0.00E+00	3.09E-01	-2.64E-02
Waste							
Hazardous waste disposed	kg	3.71E-10	4.15E-13	8.13E-12	0.00E+00	0.00E+00	-2.60E-11
Non-hazardous waste disposed	kg	1.16E-03	1.22E-06	2.40E-05	0.00E+00	0.00E+00	9.08E-04
Radioactive waste disposed	kg	3.47E-05	9.96E-09	1.95E-07	0.00E+00	0.00E+00	-1.24E-05
Output flows							
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy revovery	kg	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy. electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy. thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

[2] The results of the specific environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

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[3] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents. occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil. from radon and from some construction materials is also not measured by this indicator.

Environmental performance indicators



The displayed figure represents the contribution of each Life Cycle Stage to each of the core environmental impact indicators. As is clearly depicted, the core contribution to the environmental performance of the product, derives from Modules A1-A3, consisting of production of all input materials and energy, transportation of all inputs to the manufacturing plant, and production processes.



Characterised results of Petite Satin (White Base)

References

- International EPD® System, PCR 2019:14 Construction Products, version 1.2.5 (EN 15804:A2)
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