

Environmental Product Declaration

according to ISO 14025 and EN 15804



This declaration is for:
**Fleetwood Air + Eco Spec High
Opacity Undercoat**

Provided by:
**Fleetwood Sherwin Williams (FSW)
Coatings Ltd.**



program operator
Stichting MRPI®
publisher
Stichting MRPI®
www.mrpi.nl

MRPI® registration
1.1.00411.2023
date of first issue
25-01-2023
date of this issue
25-01-2023
expiry date
25-01-2028





COMPANY INFORMATION



Fleetwood Sherwin Williams (FSW) Coatings Ltd.
Ballaghanea, Virginia Co. Cavan
A82 N267
Ireland

Info@fleetwood.ie
www.fleetwood.ie

PRODUCT

Fleetwood Air + Eco Spec High Opacity Undercoat

DECLARED UNIT/FUNCTIONAL UNIT

All impacts are calculated using the declared unit
“decoration of 1 m² of surface”

DESCRIPTION OF PRODUCT

Fleetwood Air + Eco Spec High Opacity Undercoat is a high-quality interior / exterior coating employing a specially developed hybrid system.

VISUAL PRODUCT



MRPI® REGISTRATION

1.1.00411.2023

DATE OF ISSUE

25-01-2023

EXPIRY DATE

25-01-2028

MORE INFORMATION

www.fleetwood.ie

SCOPE OF DECLARATION

This MRPI®-EPD certificate is verified by **Gert-Jan Vroege, Eco-Intelligence**.

The LCA study has been done by **Brienne Wiersema, Ecomatters BV..**

The certificate is based on an LCA-dossier according to ISO14025 and EN15804+A2. It is verified according to the 'MRPI®-EPD verification protocol November 2020.v4.0'. EPDs of construction products may not be comparable if they do not comply with EN15804+A2. Declaration of SVHC that are listed on the 'Candidate List of Substances of Very High Concern for authorisation' when content exceeds the limits for registration with ECHA.

PROGRAM OPERATOR

Stichting MRPI®
Kingsfordweg 151
1043GR
Amsterdam



ir. J-P den Hollander, Managing director MRPI®

DEMONSTRATION OF VERIFICATION

CEN standard EN15804 serves as the core PCR[a]

Independent verification of the declaration and data,

according to EN ISO 14025:2010:

internal: external: X

Third party verifier:



Gert-Jan Vroege, Eco-Intelligence

[a] PCR = Product Category Rules

DETAILED PRODUCT DESCRIPTION

Product description.

Fleetwood Air + Eco Spec High Opacity Undercoat is a high-quality interior / exterior coating employing a specially developed hybrid system consisting of a short oil modified alkyd emulsion with excellent drying, plus an acrylic emulsion designed for stain blocking. Specially formulated to give all the application and appearance characteristics of a traditional solvent borne undercoat; with the added advantage of being quick drying, giving faster recoat times. The product is also an ultra-low VOC containing and emitting coating that minimises the impact on indoor air quality.

Production process and conditions of delivery.

Paints are produced to pre-determined formulations that are specific to each individual product. Raw materials are pre-weighed according to the percentage of each in the formulation. Pigment and fillers are dispersed in a solvent and then transferred to another mixing vessel and combined with binder. The amount and type of dispersion is product specific and depends on the type of finish required. Subsequently, colourants are added (if required) to generate the colour desired. Finally, the paint is adjusted to the correct viscosity, filtered and filled into the appropriate packaging container. All paint containers are transported from the production sites to the paint storage warehouse and finally to our customers.

Application method.

Brush, roller or airless spray. As with all water-based paints, do not apply at temperatures below 8°C.

Typical use.

Suitable for interior use on all normal interior wall and ceiling surfaces.

Application market.

UK and European Union

| Composition | Type | Amount |
|-------------|--|--------------|
| Pigment | Lightfast pigment | confidential |
| Binder | Hybrid of aromatic PU-modified alkyd emulsion & self-crosslinking acrylic dispersion | confidential |
| Solvent | Water | confidential |

| COMPONENT > 1% of total mass | [%] |
|------------------------------|------|
| Composition classified | ---- |

SCOPE AND TYPE

The type of this EPD is cradle-to-gate with options for a specific paint. All major steps from the extraction of natural resources to the final disposal of the product are included in the environmental performance of the manufacturing phase, except those that are not relevant to the environmental performance of the product. This declaration does not imply an indicator result of zero. This EPD is representative for products produced in Ireland and sold in the EU and the UK. The paint is produced in the Virginia, County Cavan manufacturing site in Ireland and the application market is for customers within the European Union and the United Kingdom. Likewise, for the end-of-life, the fate of the paint product is described within an EU and UK context.

The LCA model has been created using the Gabi 10.6.0.10 software, developed by Sphera. The background databases used are:

Raw materials LCI database for the European Council of the Paint, Printing Ink and Artists' Colours Industry (CEPE) and Ecoinvent 3.8 (2022).

The validity of this EPD is in correspondence with the specifications of the LCA project report.

All impacts associated with the upstream production of materials and energy are included in the system boundaries. Mining activities and controlled landfills are included in the product systems. The emissions and resource extractions derived from these processes are considered elementary exchanges between the product systems and the environment.

| PRODUCT STAGE | CONSTRUCTION | | | | | USE STAGE | | | | | | | END OF LIFE | | | | BENEFITS AND |
|---------------------|--------------|---------------|------------------------|----------|-----|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-------------|------------------|----------|------------------------------------|-------------------|
| | PROCESS | | | | | STAGE | | | | | | | STAGE | | | | LOADS BEYOND THE |
| | STAGE | | | | | | | | | | | | | | | | SYSTEM BOUNDARIES |
| Raw material supply | Transport | Manufacturing | Transport gate to site | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential | |
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D | |
| X | X | X | X | X | ND | ND | ND | ND | ND | ND | ND | X | X | X | X | X | |

X = Modules Assessed

ND = Not Declared



LCA process diagram according to EN 15804 (7.2.1)



REPRESENTATIVENESS

Not applicable as the EPD is specific for the product

ENVIRONMENTAL IMPACT per functional unit or declared unit (core indicators A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | C1 | C2 | C3 | C4 | D |
|-----------------------|-------------------------|-------------|-------------|--------------|-------------|-------------|--------------|------|--------------|------|--------------|---------------|
| GWP-total | kg CO2 eq. | 2.09 E-1 | 7.29 E-3 | 4.80 E-2 | 2.64 E-1 | 8.22 E-3 | 1.65 E-2 | 0.00 | 1.29 E-4 | 0.00 | 6.54 E-5 | -1.29 E-3 |
| GWP-fossil | kg CO2 eq. | 2.07 E-1 | 7.27 E-3 | 4.65 E-2 | 2.61 E-1 | 8.19 E-3 | 1.65 E-2 | 0.00 | 1.29 E-4 | 0.00 | 6.49 E-5 | -1.23 E-3 |
| GWP-biogenic | kg CO2 eq. | 1.06 E-3 | 2.65 E-5 | 1.54 E-3 | 2.63 E-3 | 2.99 E-5 | 2.64 E-5 | 0.00 | 4.70 E-7 | 0.00 | 3.87 E-7 | -5.95 E-5 |
| GWP-luluc | kg CO2 eq. | 2.14 E-4 | 2.72 E-6 | 1.03 E-5 | 2.27 E-4 | 3.06 E-6 | 1.08 E-7 | 0.00 | 4.81 E-8 | 0.00 | 6.26 E-8 | -1.45 E-6 |
| ODP | kg CFC11 eq. | 3.32 E-8 | 1.75 E-9 | 9.81 E-10 | 3.59 E-8 | 1.97 E-9 | 3.29 E-11 | 0.00 | 3.10 E-11 | 0.00 | 2.63 E-11 | -1.26 E-10 |
| AP | mol H+ eq. | 1.66 E-3 | 3.69 E-5 | 1.24 E-4 | 1.82 E-3 | 4.16 E-5 | 1.86 E-6 | 0.00 | 6.54 E-7 | 0.00 | 6.11 E-7 | -3.80 E-6 |
| EP-freshwater | kg PO4 eq. | 5.42 E-5 | 4.56 E-7 | 1.02 E-6 | 5.57 E-5 | 5.14 E-7 | 3.70 E-8 | 0.00 | 8.08 E-9 | 0.00 | 5.94 E-9 | -6.09 E-7 |
| EP-marine | kg N eq. | 3.02 E-4 | 1.27 E-5 | 2.79 E-5 | 3.43 E-4 | 1.43 E-5 | 8.06 E-7 | 0.00 | 2.25 E-7 | 0.00 | 2.12 E-7 | -7.33 E-7 |
| EP-terrestrial | mol N eq. | 2.38 E-3 | 1.39 E-4 | 2.90 E-4 | 2.81 E-3 | 1.56 E-4 | 8.75 E-6 | 0.00 | 2.46 E-6 | 0.00 | 2.32 E-6 | -6.73 E-6 |
| POCP | kg NMVOC eq. | 8.34 E-4 | 4.14 E-5 | 1.02 E-4 | 9.78 E-4 | 4.67 E-5 | 2.24 E-6 | 0.00 | 7.34 E-7 | 0.00 | 6.76 E-7 | -1.96 E-6 |
| ADP-minerals & metals | kg Sb eq. | 2.13 E-6 | 1.68 E-8 | 1.74 E-8 | 2.17 E-6 | 1.89 E-8 | 5.78 E-10 | 0.00 | 2.98 E-10 | 0.00 | 1.48 E-10 | -8.10 E-10 |
| ADP-fossil | MJ, net calorific value | 3.63 E+0 | 1.15 E-1 | 4.99 E-1 | 4.25 E+0 | 1.29 E-1 | 2.83 E-3 | 0.00 | 2.03 E-3 | 0.00 | 1.82 E-3 | -2.54 E-2 |
| WDP | m3 world eq. deprived | 6.70 E+0 | 5.83 E-4 | -7.08 E-4 | 6.70 E+0 | 6.58 E-4 | 8.92 E-5 | 0.00 | 1.03 E-5 | 0.00 | 8.35 E-5 | -4.89 E-4 |

GWP-total = Global Warming Potential total

GWP-fossil = Global Warming Potential fossil fuels

GWP-biogenic = Global Warming Potential biogenic

GWP-luluc = Global Warming Potential land use and land use change

ODP = Depletion potential of the stratospheric ozone layer

AP = Acidification Potential, Accumulated Exceedence

EP-freshwater = Eutrophication Potential, fraction of nutrients reaching freshwater end compartment

EP-marine = Eutrophication Potential, fraction of nutrients reaching marine end compartment

EP-terrestrial = Eutrophication Potential, Accumulated Exceedence

POCP = Formation potential of tropospheric ozone photochemical oxidants

ADP-minerals&metals = Abiotic Depletion Potential for non fossil resources [2]

ADP-fossil = Abiotic Depletion for fossil resources potential [2]

WDP = Water (user) deprivation potential, deprivation-weighted water consumption [2]

Disclaimer [2]

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ENVIRONMENTAL IMPACT per functional unit or declared unit (additional indicators A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | C1 | C2 | C3 | C4 | D |
|--------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|------|--------------|------|--------------|---------------|
| PM | Disease incidence | 1.86 E-8 | 6.74 E-10 | 1.38 E-9 | 2.06 E-8 | 7.60 E-10 | 2.02 E-11 | 0.00 | 1.19 E-11 | 0.00 | 1,20 E-11 | -1,06 E-11 |
| IRP | kBq U235 eq. | 3.44 E-2 | 5.77 E-4 | 1.23 E-3 | 3.63 E-2 | 6.51 E-4 | 1.04 E-5 | 0.00 | 1.02 E-5 | 0.00 | 8,05 E-06 | -3,61 E-04 |
| ETP-fw | CTUe | 1.80 E+1 | 9.25 E-2 | 1.57 E-1 | 1.83 E+1 | 1.04 E-1 | 5.60 E-3 | 0.00 | 1.64 E-3 | 0.00 | 1,93 E+01 | -7,56 E-03 |
| HTP-c | CTUh | 3.53 E-10 | 2.46 E-12 | 2.69 E-11 | 3.83 E-10 | 2.78 E-12 | 2.11 E-11 | 0.00 | 4.37 E-14 | 0.00 | 2,91 E-14 | -2,23 E-13 |
| HTP-nc | CTUh | 2.86 E-8 | 8.46 E-11 | 4.26 E-10 | 2.92 E-8 | 9.53 E-11 | 6.50 E-11 | 0.00 | 1.50 E-12 | 0.00 | 7,52 E-13 | -6,71 E-12 |
| SQP | --- | 5.30 E-1 | 1.30 E-1 | 4.68 E-2 | 7.08 E-1 | 1.47 E-1 | 2.91 E-3 | 0.00 | 2.31 E-3 | 0.00 | 3,80 E-03 | -2,10 E-03 |

PM = Potential incidence of disease due to PM emissions

IRP = Potential Human exposure efficiency relative to U235 [1]

ETP-fw = Potential Comparative Toxic Unit for ecosystems [2]

HTP-c = Potential Comparative Toxic Unit for humans [2]

HTP-nc = Potential Comparative Toxic Unit for humans, non-cancer [2]

SQP = Potential soil quality index [2]

Disclaimer [1]

- 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.

Disclaimer [2]

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

RESOURCE USE per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | C1 | C2 | C3 | C4 | D |
|-------|------|-------------|--------------|--------------|-------------|--------------|--------------|------|--------------|------|--------------|---------------|
| PERE | MJ | 1.35 E-1 | 1.46 E-3 | 1.67 E-2 | 1.53 E-1 | 1.64 E-3 | 5.39 E-5 | 0.00 | 2.58 E-5 | 0.00 | 1.58 E-5 | -2.33 E-3 |
| PERM | MJ | 2.17 E-4 | 6.80 E-10 | 2.70 E-4 | 4.86 E-4 | 7.67 E-10 | 4.57 E-11 | 0.00 | 1.21 E-11 | 0.00 | 3.77 E-11 | -8.67 E-11 |
| PERT | MJ | 1.36 E-1 | 1.46 E-3 | 1.69 E-2 | 1.54 E-1 | 1.64 E-3 | 5.39 E-5 | 0.00 | 2.58 E-5 | 0.00 | 1.58 E-5 | -2.33 E-3 |
| PENRE | MJ | 3.63 E+0 | 1.15 E-1 | 4.99 E-1 | 4.25 E+0 | 1.29 E-1 | 2.83 E-3 | 0.00 | 2.03 E-3 | 0.00 | 1.82 E-3 | -2.54 E-2 |
| PENRM | MJ | 1.29 E-4 | 2.49 E-6 | 3.26 E-6 | 1.34 E-4 | 6.09 E-6 | 4.45 E-7 | 0.00 | 9.57 E-8 | 0.00 | 3.17 E-7 | -1.25 E-7 |
| PENRT | MJ | 3.63 E+0 | 1.15 E-1 | 4.99 E-1 | 4.25 E+0 | 1.29 E-1 | 2.83 E-3 | 0.00 | 2.03 E-3 | 0.00 | 1.82 E-3 | -2.54 E-2 |
| SM | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RSF | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NRSF | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FW | m3 | 1.56 E-1 | 1.36 E-5 | -4.78 E-6 | 1.56 E-1 | 1.53 E-5 | 2.08 E-6 | 0.00 | 2.41 E-7 | 0.00 | 1.94 E-6 | -1.14 E-5 |

PERE = Use of renewable energy excluding renewable primary energy resources

PERM = Use of renewable energy resources used as raw materials

PERT = Total use of renewable primary energy resources

PENRE = Use of non-renewable primary energy resources excluding non-renewable energy resources used as raw materials

PENRM = Use of non-renewable primary energy resources used as raw materials

PENRT = Total use of non-renewable primary energy resources

SM = Use of secondary materials

RSF = Use of renewable secondary fuels

NRSF = Use of non renewable secondary fuels

FW = Use of net fresh water

OUTPUT FLOWS AND WASTE CATEGORIES per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | C1 | C2 | C3 | C4 | D |
|------|------|------|------|-------------|-------------|------|-------------|------|------|------|-------------|------|
| HWD | kg | 0.00 | 0.00 | 5.98 E-4 | 5.98 E-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NHWD | kg | 0.00 | 0.00 | 1.34 E-3 | 1.34 E-3 | 0.00 | 5.20 E-3 | 0.00 | 0.00 | 0.00 | 1.13 E-1 | 0.00 |
| RWD | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CRU | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MFR | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MER | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EEE | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ETE | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

HWD = Hazardous Waste Disposed

RWD = Radioactive Waste Disposed

MFR = Materials for recycling

EEE = Exported Electrical Energy

NHWD = Non Hazardous Waste Disposed

CRU = Components for reuse

MER = Materials for energy recovery

ETE = Exported Thermal Energy

BIOGENIC CARBON CONTENT per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | C1 | C2 | C3 | C4 | D |
|-------|------|------|------|------|-------|------|------|------|------|------|------|------|
| BCCpr | kg C | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BCCpa | kg C | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

BCCpr = Biogenic carbon content in product

BCCpa = Biogenic carbon content in packaging

CALCULATION RULES

Cut off criteria

The cut-off is considered in the raw material supply stage (A1). Cut-off of inputs comprises of the raw materials, for which no appropriate proxies were found. In this study there were no cut-off inputs. The energy consumed during application, used for instance in spray applicators, has not been included due to its insignificance. For recycling of waste packaging material (metal and plastic), a cut-off approach was followed. The cut-off point is chosen to be the end of waste treatment.

Data quality and data collection period

Specific data was collected from Fleetwood through a questionnaire, including inquiries about paint characteristics and packaging, logistics data (e.g. transport), production information and end-of-life scenario's. The data collection period for specific data was the year 2021.

Data gaps (i.e. transport data, end of life scenarios) were covered with data generic values for transport as described in the Product Environmental Footprint Category Rules - Decorative Paints document version 1.0 published by CEPE and reviewed in April 2018. Generic data (i.e. upstream acquisition and production of raw materials, energy generation, transport, waste treatment processes) was selected from the CEPE database or the Ecoinvent 3.8 database. In the case of missing data, a relevant proxy was searched and adjusted to the corresponding unit process.

Allocation procedure

To allocate the emissions and inputs to the manufactured products, the decision-hierarchy in ISO 14044 is used (ISO 2006). It is not possible to sub-divide the site data into a more detailed level or find physical causalities between inputs and outputs, thus allocation is done based on mass. As the paint production is basically a process of mixing ingredients and, therefore, the environmental impact is fairly to be related to the mass of the products.

| Parameter | Unit | Value |
|--------------------|-------------------|-------|
| VOC content | g/l | 0 |
| Density | kg/l | 1.25 |
| Coverage | kg/m ² | 0.113 |
| Number of layers | Quantity | 1 |
| Total product used | kg/m ² | 0.113 |

SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION

A1. Raw materials supply

This module considers the extraction and processing of all raw materials and energy which occur upstream to the Fleetwood Air + Eco Spec High Opacity Undercoat manufacturing process, as well as waste processing up to the end-of waste state.

A2. Transport of raw materials to manufacturer

This includes the transport distance of the raw materials to the manufacturing facility via road.

| Vehicle type | Truck |
|--------------|--------------------|
| Distance, km | 460 |
| Capacity | >32 t ,64% payload |

A3. Manufacturing

This module covers the manufacturing of the Fleetwood Air + Eco Spec High Opacity Undercoat and includes all processes linked to production such as storing, mixing, packing and internal transportation. Use of electricity and energy in paint production is taken into account as well.

Data regarding paint production was provided for the manufacturing site where the Air + Eco Spec High Opacity Undercoat is produced: Virginia Co., Ireland. Transportation data for the transportation modes, distances and capacity utilisation were retrieved from the Product Environmental Footprint Category Rules - Decorative paints version 1.0, 2018 . For electricity sources (standard market mix, Ireland) the Ecoinvent 3.8 dataset was used. For upstream (raw material processes) and downstream processes (application, use, and waste processing) generic data is used when no specific data could be obtained.

The construction site data includes lighting, heating, offices, etc. The manufacture of production equipment and infrastructure is not included in the system boundary.

A4. Transport to Regional Distribution Centre and customer

All paint containers are transported from the production facility into a regional distribution centre (RDC) and then finally to the point of sales (PoS). On average, the transport characteristics for this life cycle stage are the following

| Transport type | Transport from factory to RDC | Transport from RDC to PoS |
|----------------|-------------------------------|---------------------------|
| Vehicle type | Truck >32t | Truck >32t |
| Distance (km) | 350 | 370 |
| Capacity | >32 t ,64% payload | >32 t ,64% payload |

A5. Application and use

This module includes the environmental aspects and impacts associated with the application and of the paint. It is assumed that no energy is required during the application of this paint. The use of paintbrushes and other appliances used during application are not included. There are some raw materials added in the paint formulations which contain small amounts of solvents. The VOC emissions during application of paint are included in this module.

C2. Transport to incineration or landfill

This module includes one-way transportation distance of the demolition or sorting site to the dump site.

| End-of-life transport type | Transport to waste processing |
|----------------------------|-------------------------------|
| Vehicle type | Truck >32t |
| Distance | 80 km |
| Capacity utilisation | >32 t ,64% payload |

C3. Waste processing and C4. Disposal

The end of life stage is encompassed in these modules. It is assumed that paint is used as interior paint and exterior paint. In both cases, it is assumed that part of the paint is lost during application and the rest is applied. The leaching of the biocides in the paint to the environment is included in module C4

| Classification of paint, based on function | % of paint to landfill | % of paint to incineration |
|--|------------------------|----------------------------|
| Interior masonry wall | 100% | 0% |
| Exterior walls | 100% | 0% |

DECLARATION OF SVHC

None of the substances contained in the product are listed in the “Candidate List of Substances of Very High Concern for authorisation”, or they do not exceed the threshold with the European Chemicals Agency.

REFERENCES

- EN 15804:2012+A2:2019 Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products, of 2019.
- ISO 14040/14044 on Life Cycle Assessments
- Product Environmental Footprint Category Rules - Decorative Paints version 1.0, 2018. Developed by the Technical Secretariat Decorative Paints of the European Council of the Paint, Printing Ink and Artists' Colours Industry.
- Hetheron J., 2022. Personal communication with John Hetheron, Technical Manager, Fleetwood Sherwin Williams, Ireland.
- Thinkstep GaBi Software-System and Database for Life Cycle Engineering. Copyright 1992-2018 ThinkStep AG.
- Wernet, G., Bauer, C., Steubing, B., Reinhard, J., Moreno-Ruiz, E., and Weidema, B., 2016. The ecoinvent database version 3 (part I): overview and methodology. The International Journal of Life Cycle Assessment, [online] 21(9), pp.1218–1230. Available at: <<http://link.springer.com/10.1007/s11367-016-1087-8>> [Accessed 21 12 2021.]

REMARKS

None