



SmartEPD-2026-109-0727-01.1

# Eucofloor 404

Date of Issue

**Jan 05, 2026**

Expiration date

**Jan 05, 2031**

Last updated

**Jan 14, 2026**

Refer to the EPD Library at [www.smartepd.com](http://www.smartepd.com) for the latest EPD listing information



## General Information

### Euclid Chemical Company

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✉ info@euclidchemical.com 🌐 euclidchemical.com



|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Product Name:               | Eucofloor 404                                                          |
| Declared Unit:              | 1 m2                                                                   |
| Declaration Number:         | SmartEPD-2026-109-0727-01.1                                            |
| Date of Issue:              | January 05, 2026                                                       |
| Expiration:                 | January 05, 2031                                                       |
| Last updated:               | January 14, 2026                                                       |
| EPD Scope:                  | Cradle to gate with other options<br>A1 - A3, A4, A5, B1 - B7, C1 - C4 |
| Market(s) of Applicability: | North America                                                          |

## General Organization Information

Euclid Chemical is a leading manufacturer of concrete and masonry products. Example products include admixtures, fiber, integral color, shotcrete, grouts, repair mortars, bonding agents, adhesives, coatings, curing and sealing compounds, dry shake hardeners, joint fillers, sealants, densifiers, waterproofing, repair and other products.

Further information can be found at: <https://www.euclidchemical.com/>

## Limitations, Liability, and Ownership

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

Environmental declarations from different programs (ISO 14025) may not be comparable. Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building or construction works level, and therefore EPDs may not be used for comparability purposes when not considering the whole building life cycle. EPD comparability is only possible 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 in results upstream or downstream of the life cycle stages declared.

The environmental impact results of products in this document are based on a declared unit and therefore do not provide sufficient information to establish comparisons. The results shall not be used for comparisons without knowledge of how the physical properties of the product impact the precise function at the construction level. The environmental impact results shall be converted to a functional unit basis before any comparison is attempted.

A manufacturer shall not make claims based on an industry-average EPD which leads the market to believe the industry-average is representative of manufacturer-specific or product-specific results.

## Reference Standards

Standard(s): ISO 14025 and ISO 21930:2017

|                                |                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Core PCR:                      | Smart EPD® Part A Product Category Rules for Building and Construction Products and Services, 1000, v1.2<br>Date of issue: March 14, 2025<br>Valid until: March 14, 2030 |
| Sub-category PCR review panel: |  Contact Smart EPD for more information.                                                |
| General Program Instructions:  |  Smart EPD General Program Instructions v.2.0, March 2025                               |

## Verification Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LCA Author/Creator:   |  <a href="mailto:trenor.philbin@truenorthcollective.net">trenor.philbin@truenorthcollective.net</a>    <a href="mailto:trenor.philbin@truenorthcollective.net">trenor.philbin@truenorthcollective.net</a>                                                                                                                                                                                                                                                                                                                                                               |
| EPD Program Operator: |  Smart EPD    <a href="mailto:info@smartepd.com">info@smartepd.com</a>    <a href="http://www.smartepd.com">www.smartepd.com</a>  <br> 585 Grove St., Ste. 145, Herndon, VA 20170, USA                                                                                                                                                                                                               |
| Verification:         | Independent critical review of the LCA and data, according to ISO 14044 and ISO 14071:  Arka Pandit    <a href="mailto:pandit_arka@outlook.com">pandit_arka@outlook.com</a> <span>External</span><br>Independent external verification of EPD, according to ISO 14025 and reference PCR(s):  Arka Pandit    <a href="mailto:pandit_arka@outlook.com">pandit_arka@outlook.com</a> <span>External</span> |

## Product Information

|                                       |                                                                                                                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Declared Unit:                        | 1 m2                                                                                                                                                                                                        |
| Mass:                                 | 139.497 kg                                                                                                                                                                                                  |
| Reference Service Life:               | 60 Years                                                                                                                                                                                                    |
| Product Specificity:                  |  Product Average<br> Product Specific |
| Variation in GWP Result (Products):   | 0% to 0%                                                                                                                                                                                                    |
| Variation in GWP Result (Facilities): | 0% to 0%                                                                                                                                                                                                    |

## Product Description

Eucofloor 404 is an extremely durable floor topping for use in areas subject to heavy wear, impact, and abrasion such as tipping floors in waste transfer stations. EucoFloor 404 utilizes a combination of high-strength hybrid paste along with a unique blend of natural quartz, calcined, and iron aggregates. The floor may be returned to high wear service as soon as 48 hours of topping placement at 70 F (21 C).

Further information can be found at: [https://www.euclidchemical.com/fileshare/Documents\\_Resources/HDF/EucoFloor\\_404.pdf](https://www.euclidchemical.com/fileshare/Documents_Resources/HDF/EucoFloor_404.pdf)



Product Specifications

Product SKU(s):

Eucofloor 404 (self-leveling or broadcast slurry floor coating)

Product Classification Codes: Masterformat - undefined

Material Composition

| Material/Component Category             | Origin | % Mass |
|-----------------------------------------|--------|--------|
| Acids, Salts & Alkalis                  | GLO    | 1.13   |
| Chemical Additives & Agents             | GLO    | 0      |
| Metals & Metal Oxides                   | GLO    | 15.40  |
| Mineral Aggregates & Fillers            | GLO    | 82.46  |
| Miscellaneous / Composite Materials     | GLO    | 0      |
| Oils, Waxes & Natural Compounds         | GLO    | 0      |
| Pigments, Dyes & Colorants              | GLO    | 0      |
| Polymers & Resins                       | GLO    | 0      |
| Functional Minerals & Specialty Powders | GLO    | 0      |
| Organic Compounds & Solvents            | GLO    | 0      |

| Packaging Material | Origin | kg Mass  |
|--------------------|--------|----------|
| Packaging Metal    | GLO    | 0        |
| Packaging Plastic  | GLO    | 8.23E-06 |
| Packaging Wood     | GLO    | 7.46E-05 |

| Hazardous Materials |
|---------------------|
| Hazardous Waste     |



EPD Data Specificity

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Primary Data Year:         | 2024                                                                                                                         |
| Manufacturing Specificity: | <div><div>✗</div>Industry Average</div> <div><div>✗</div>Manufacturer Average</div> <div><div>✓</div>Facility Specific</div> |

Averaging:  
Averaging was not conducted for this EPD

## System Boundary

|                                         |    |                                     |    |
|-----------------------------------------|----|-------------------------------------|----|
| Production                              | A1 | Raw material supply                 | ✓  |
|                                         | A2 | Transport                           | ✓  |
|                                         | A3 | Manufacturing                       | ✓  |
| Construction                            | A4 | Transport to site                   | ✓  |
|                                         | A5 | Assembly / Install                  | ✓  |
| Use                                     | B1 | Use                                 | ✓  |
|                                         | B2 | Maintenance                         | ✓  |
|                                         | B3 | Repair                              | ✓  |
|                                         | B4 | Replacement                         | ✓  |
|                                         | B5 | Refurbishment                       | ✓  |
|                                         | B6 | Operational Energy Use              | ✓  |
|                                         | B7 | Operational Water Use               | ✓  |
| End of Life                             | C1 | Deconstruction                      | ✓  |
|                                         | C2 | Transport                           | ✓  |
|                                         | C3 | Waste Processing                    | ✓  |
|                                         | C4 | Disposal                            | ✓  |
| Benefits & Loads Beyond System Boundary | D  | Recycling, Reuse Recovery Potential | ND |

Note:

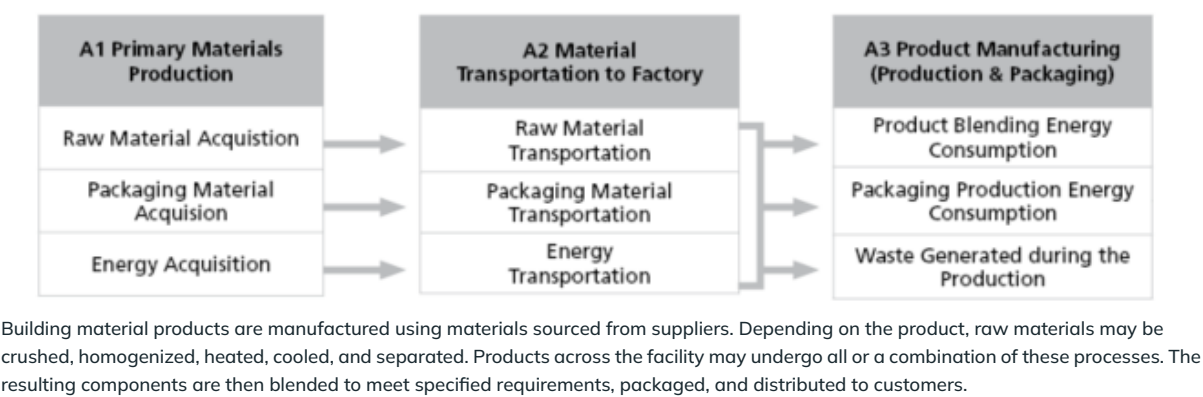
ND = Module not declared

## Plants



Cleveland Dry  
19215 Redwood Road, Cleveland, OH 44110, USA

Product Flow Diagram



Software and Database

|                             |                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LCA Software:               |  SimaPro v. 10.2                                                                                                                                                                                                                                     |
| LCI Foreground Database(s): |  ecoinvent v. 3.10    Best available, with North American focus    Cut-off |
| LCI Background Database(s): |  ecoinvent v. 3.10    Best available, with North American focus    Cut-off |

A foreground LCI database is the database used to model the primary, site-specific data collected for this EPD. A background LCI database is the database used to model generic or non-specific data.

Data Quality

A comprehensive data quality assessment was conducted to evaluate multiple data quality indicators such as reliability, representativeness, and geographic and temporal correlation. Data were found to be consistent, precise, and reproducible, with selected datasets being recent and relevant to current operations. The ecoinvent data quality system was used for background datasets. All inputs and processes were determined to be representative and suitable for supporting the conclusions of the LCA.

Data used in the life cycle assessment comes directly from the manufacturer for all processes under their operational control. Primary data was obtained from the manufacturing facility and reviewed for completeness and accuracy. Where data gaps existed, proxy data is used. Secondary data sources were selected for their alignment with the study's geographic, temporal, and technological scope. All inventory parameters required for a cradle-to-gate analysisincluding material production, energy use, transport, and processingwere reviewed for completeness, with no significant data gaps identified. All inputs and data sources meet the requirements set forth in the PCR.

Data Sources

| Material/Process Category | Module | Material/Process Name                                                | Inventory Dataset Name | Dataset Geographic Region | Reporting Period/Year Dataset Represents | Reference   | Amount (if relevant) | Unit |
|---------------------------|--------|----------------------------------------------------------------------|------------------------|---------------------------|------------------------------------------|-------------|----------------------|------|
| A1_Cement                 | A1     | Cement, Portland                                                     | ecoinvent 3.10         | US                        | 2024                                     | Euclid Data | 0.30                 | kg   |
| A1_Sodium_Salt            | A1     | Plasticiser, for concrete, based on sulfonated melamine formaldehyde | ecoinvent 3.10         | GLO                       | 2024                                     | Euclid Data | 0.01                 | kg   |
| A1_FerroSilica            | A1     | Silica sand                                                          | ecoinvent 3.10         | GLO                       | 2024                                     | Euclid Data | 0.04                 | kg   |
| A1_Lime                   | A1     | Lime                                                                 | ecoinvent 3.10         | RoW                       | 2024                                     | Euclid Data | 0.02                 | kg   |
| A1_Sand                   | A1     | Sand                                                                 | ecoinvent 3.10         | RoW                       | 2024                                     | Euclid Data | 0.22                 | kg   |
| A1_Bauxite                | A1     | Bauxite                                                              | ecoinvent 3.10         | GLO                       | 2024                                     | Euclid Data | 0.27                 | kg   |



|                        |    |                                                   |                |         |      |             |      |      |
|------------------------|----|---------------------------------------------------|----------------|---------|------|-------------|------|------|
| A1_Iron_Aggregate      | A1 | Iron pellet                                       | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0.16 | kg   |
| Electricity            | A3 | Electricity, medium voltage                       | ecoinvent 3.10 | US-SERC | 2024 | Euclid Data | .02  | kWh  |
| Water                  | A3 | Tap water                                         | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0    | kg   |
| Waste                  | A3 | Municipal solid waste                             | ecoinvent 3.10 | GLO     | 2024 | Euclid Data | 0.01 | kg   |
| Packaging Wood         | A3 | Corrugated board box                              | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0.01 | kg   |
| Packaging Metal        | A3 | Scrap steel                                       | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0.01 | kg   |
| Packaging Plastic      | A3 | Polyethylene, linear low density, granulate       | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0    | kg   |
| Transportation Truck   | A2 | Transport, freight, lorry 16-32 metric ton, euro3 | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 1.03 | kgkm |
| Transportation Rail    | A2 | Transport, freight train                          | ecoinvent 3.10 | US      | 2024 | Euclid Data | 0    | kgkm |
| Transportation Ocean   | A2 | Transport, freight, sea, container ship           | ecoinvent 3.10 | GLO     | 2024 | Euclid Data | 0    | kgkm |
| A1_Cement_Recycle      | A1 | Gravel, crushed                                   | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 0.01 | kg   |
| C2_Transportation      | C2 | Transport, freight, light commercial vehicle      | ecoinvent 3.10 | RoW     | 2024 | Euclid Data | 1.00 | kgkm |
| C4_Disposal_WaterBased | C4 | Municipal solid waste                             | ecoinvent 3.10 | GLO     | 2024 | Euclid Data | 1.00 | kg   |
| A1_Cement_Recycle      | A1 | Gravel, crushed                                   | ecoinvent 3.10 | US      | 2024 | Euclid Data | 0.01 | kg   |

Life Cycle Module Descriptions

Primary data on materials purchased from suppliers was collected from the reporting company, which contains the part description (SKU), the Bill of Materials (BOM) for each part description, list of suppliers for each raw material found with the BOM, and the suppliers' location. Supplier names and location were provided for materials within the bill of materials. The location is provided as destination of supplier. An assumed conservative distance is used for the supplier destination information to the facility acquired through Google maps and converted to kilometers.

The flows related to product manufacturing are facility inputs and outputs at the manufacturing location. Data is generally collected on a plant-level through utilities receipts, emissions reporting or other methods and is then allocated to individual products through mass-based allocation. Intensity factors for energy, waste, and water were created, and they are based on the total mass of products produced in calendar year 2024.

Distribution, use and end of life treatment are assumed based on the reference PCR, NSF PCR for Resinous Floor Coatings.

LCA Discussion

Allocation Procedure

Per ISO 21930 and the PCR, this is an attributional LCA and as such, no allocation using system expansion was performed. Allocation of background data (energy and materials) is taken from the available datasets from Ecoinvent.

Cut-off Procedure

According to the PCR, processes contributing greater than 1% of the total environmental impact indicator for each impact are included in the inventory. Cut-offs were not applied to this LCA. In cases where no matching life cycle inventories were available to represent a flow, proxy data were applied based on conservative assumptions regarding environmental impacts. No data gaps were allowed which were expected to significantly affect the outcome of the indicator results. No other known flows are deliberately excluded from this EPD.

Renewable Electricity

Energy Attribute Certificates (EACs) such as Renewable Energy Certificates (RECs) or Power Purchase Agreements (PPAs) are included in the baseline reported results:

✗ No

## Results

### Environmental Impact Assessment Results

IPCC AR6 GWP 100, TRACI 2.1

per 1 m2 of product.

LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.

| Impact Category           | Method           | Unit         | A1 - A3 | A4      | A5       | B1 | B2      | B3 | B4      | B5 | B6 | B7 | C1 | C2      | C3 | C4      |
|---------------------------|------------------|--------------|---------|---------|----------|----|---------|----|---------|----|----|----|----|---------|----|---------|
| GWP-total                 | IPCC AR6 GWP 100 | kg CO2 eq    | 5.47e+1 | 3.60e+1 | 3.46e+0  | 0  | 6.26e+1 | 0  | 5.59e+2 | 0  | 0  | 0  | 0  | 3.25e+0 | 0  | 1.82e+2 |
| GWP-total (excl biogenic) | IPCC AR6 GWP 100 | kg CO2 eq    | 5.75e+1 | 3.62e+1 | 3.46e+0  | 0  | 6.35e+1 | 0  | 5.65e+2 | 0  | 0  | 0  | 0  | 3.27e+0 | 0  | 1.82e+2 |
| GWP-total (incl biogenic) | IPCC AR6 GWP 100 | kg CO2 eq    | 5.47e+1 | 3.60e+1 | 3.46e+0  | 0  | 6.26e+1 | 0  | 5.59e+2 | 0  | 0  | 0  | 0  | 3.25e+0 | 0  | 1.82e+2 |
| GWP-fossil                | IPCC AR6 GWP 100 | kg CO2 eq    | 5.23e+1 | 3.60e+1 | 8.27e-1  | 0  | 6.26e+1 | 0  | 2.02e+2 | 0  | 0  | 0  | 0  | 3.25e+0 | 0  | 8.61e+0 |
| GWP-biogenic              | IPCC AR6 GWP 100 | kg CO2 eq    | 5.24e+0 | 1.99e-1 | 2.64e+0  | 0  | 8.94e-1 | 0  | 3.63e+2 | 0  | 0  | 0  | 0  | 2.20e-2 | 0  | 1.73e+2 |
| GWP-luluc                 | IPCC AR6 GWP 100 | kg CO2 eq    | 1.97e-2 | 1.45e-2 | 6.03e-5  | 0  | 2.54e-2 | 0  | 7.18e-2 | 0  | 0  | 0  | 0  | 1.58e-3 | 0  | 5.90e-5 |
| GWP-total                 | TRACI 2.1        | kg CO2 eq    | 5.75e+1 | 3.62e+1 | 3.46e+0  | 0  | 6.35e+1 | 0  | 5.65e+2 | 0  | 0  | 0  | 0  | 3.27e+0 | 0  | 1.82e+2 |
| GWP-total (excl biogenic) | TRACI 2.1        | kg CO2 eq    | 5.23e+1 | 3.60e+1 | 8.27e-1  | 0  | 6.26e+1 | 0  | 2.02e+2 | 0  | 0  | 0  | 0  | 3.25e+0 | 0  | 8.61e+0 |
| GWP-total (incl biogenic) | TRACI 2.1        | kg CO2 eq    | 5.75e+1 | 3.62e+1 | 3.46e+0  | 0  | 6.35e+1 | 0  | 5.65e+2 | 0  | 0  | 0  | 0  | 3.27e+0 | 0  | 1.82e+2 |
| ODP                       | TRACI 2.1        | kg CFC 11 eq | 4.68e-7 | 5.53e-7 | 4.38e-10 | 0  | 1.50e-6 | 0  | 2.17e-6 | 0  | 0  | 0  | 0  | 5.32e-8 | 0  | 1.11e-8 |
| AP                        | TRACI 2.1        | kg SO2 eq    | 1.43e-1 | 1.84e-1 | 5.50e-3  | 0  | 2.97e-1 | 0  | 7.17e-1 | 0  | 0  | 0  | 0  | 1.35e-2 | 0  | 1.31e-2 |
| EP                        | TRACI 2.1        | kg N eq      | 1.07e-1 | 4.07e-2 | 2.99e-2  | 0  | 3.09e-1 | 0  | 6.07e+0 | 0  | 0  | 0  | 0  | 4.75e-3 | 0  | 2.85e+0 |
| POCP                      | TRACI 2.1        | kg O3 eq     | 2.92e+0 | 5.13e+0 | 9.60e-2  | 0  | 3.51e+0 | 0  | 1.73e+1 | 0  | 0  | 0  | 0  | 3.11e-1 | 0  | 1.87e-1 |
| HTP-c                     | TRACI 2.1        | CTUh         | 0       | 0       | 0        | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| HTP-nc                    | TRACI 2.1        | CTUh         | 0       | 0       | 0        | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| ETP-fw                    | TRACI 2.1        | CTUe         | 0       | 0       | 0        | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PM                        | TRACI 2.1        | kg PM2.5 eq  | 0       | 0       | 0        | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particulate Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted.

Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system

boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Resource Use Indicators  
per 1 m2 of product.

| Indicator  | Unit | A1 - A3 | A4      | A5      | B1 | B2      | B3 | B4      | B5 | B6 | B7 | C1 | C2      | C3 | C4      |
|------------|------|---------|---------|---------|----|---------|----|---------|----|----|----|----|---------|----|---------|
| PERE       | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PERM       | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PERT       | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PENRE      | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PENRM      | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| PENRT      | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| RPRE       | MJ   | 3.59e+1 | 7.05e+0 | 7.83e-3 | 0  | 2.59e+1 | 0  | 8.84e+1 | 0  | 0  | 0  | 0  | 1.16e+0 | 0  | 5.47e-2 |
| RPRM       | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| RPRT       | MJ   | 3.59e+1 | 7.05e+0 | 7.83e-3 | 0  | 2.59e+1 | 0  | 8.84e+1 | 0  | 0  | 0  | 0  | 1.16e+0 | 0  | 5.47e-2 |
| NRPRE      | MJ   | 4.09e+2 | 5.40e+2 | 2.99e-1 | 0  | 1.58e+3 | 0  | 2.01e+3 | 0  | 0  | 0  | 0  | 4.74e+1 | 0  | 9.43e+0 |
| NRPRM      | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| NRPRT      | MJ   | 4.09e+2 | 5.40e+2 | 2.99e-1 | 0  | 1.58e+3 | 0  | 2.01e+3 | 0  | 0  | 0  | 0  | 4.74e+1 | 0  | 9.43e+0 |
| ADP-fossil | MJ   | 3.99e+1 | 6.70e+1 | 3.31e-2 | 0  | 1.65e+2 | 0  | 2.28e+2 | 0  | 0  | 0  | 0  | 5.67e+0 | 0  | 1.24e+0 |
| SM         | kg   | 2.86e+1 | 0       | 0       | 0  | 0       | 0  | 5.72e+1 | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| RSF        | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| NRSF       | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |
| FW         | m3   | 2.24e-1 | 6.90e-2 | 7.82e-4 | 0  | 1.36e+0 | 0  | 6.05e-1 | 0  | 0  | 0  | 0  | 8.09e-3 | 0  | 6.36e-4 |
| RE         | MJ   | 0       | 0       | 0       | 0  | 0       | 0  | 0       | 0  | 0  | 0  | 0  | 0       | 0  | 0       |

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.



Waste and Output Flow Indicators  
per 1 m2 of product.

| Indicator | Unit | A1 - A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 |
|-----------|------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| HWD       | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| NHWD      | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| RWD       | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| HLRW      | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| ILLRW     | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| CRU       | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| MFR       | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| MER       | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| MNER      | kg   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| EEE       | MJ   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| EET       | MJ   | 0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

Note:  
Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.  
Abbreviations:  
HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.

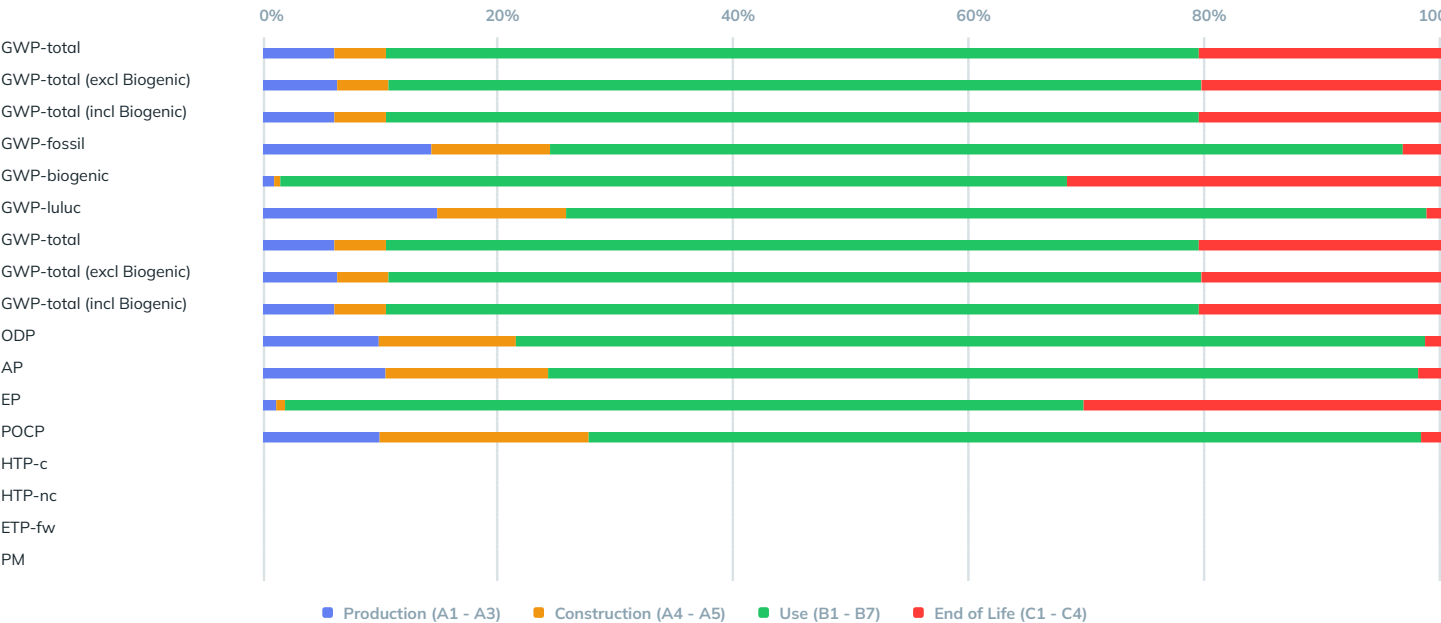
Impact Scaling Factors

| Product Name and/or Product Attribute | Product Specific Functional/Declared Unit Multiplier |
|---------------------------------------|------------------------------------------------------|
|---------------------------------------|------------------------------------------------------|

Interpretation

The majority of cradle-to-grave impacts for Eucofloor 404 result from the B4 (Replacement) (62%) and C4 (Disposal) (20%) stages of the lifecycle. The B2, B3, and B4 module impacts are based on PCR default scenarios, from NSF PCR for Resinous Floor Coatings, and are not intended to represent product-specific maintenance behavior.

The impact from module B4 is due to the fact that replacements are needed to satisfy the 60-year requirement for the functional unit. This replacement effectively multiplies the impacts from other modules. Of the modules included in B4, A1 Raw Materials Extraction and Processing, B2 Maintenance, and C4 Disposal stages represents the largest contributor to impacts.



Additional Environmental Information

There are no significant environmental aspects for this study

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