

ENVIRONMENTAL PRODUCT DECLARATION

in accordance with ISO 14025, ISO 21930 and EN 15804

| | |
|--------------------------------|----------------------------------|
| Owner of the declaration: | Saint-Gobain Sweden AB, Scanspac |
| Program operator: | The Norwegian EPD Foundation |
| Publisher: | The Norwegian EPD Foundation |
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| Valid to: | 10.03.2026 |

Dalapro Nova

Saint-Gobain Sweden AB, Scanspac

Dalapro[®]

www.epd-norge.no



General information

Product:

Dalapro Nova

Program operator:

The Norwegian EPD Foundation
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Declaration number:

NEPD-2718-1418-EN

ECO Platform reference number:

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A1:2013 serves as core PCR.
NPCR 009:2018 Part B for Technical - Chemical products in the building and construction industry

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Declared unit:

1 kg Dalapro Nova

Declared unit with option:

A1,A2,A3,A4

Functional unit:

General information on verification of EPD from EPD tools:

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Individual third party verification of each EPD is not required when the EPD tool is i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPDNorway, and iii) the process is reviewed annually. See Appendix G of EPD-Norway's General Programme Instructions for further information on EPD tools.

Verification of EPD tool:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPDNorway's procedures and guidelines for verification and approval of EPD tools.

Anne Rønning, Norsus AS
(no signature required)

Owner of the declaration:

Saint-Gobain Sweden AB, Scanspac
Contact person: Christian Nilsson
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Manufacturer:

Saint-Gobain Sweden AB, Scanspac
Kemivägen 7, SE-705 97 Glanshammar
Sweden

Place of production:

Saint-Gobain Sweden AB, Scanspac
Kemivägen 7, SE-705 97 Glanshammar
Sweden

Management system:

ISO 9001, ISO 14001

Organisation no:

556241-2592

Issue date:

10.03.2021

Valid to:

10.03.2026

Year of study:

2019

Comparability:

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

Development and verification of EPD:

The declaration has been developed and verified using EPD tool lca.tools ver EPD2020.11, developed by LCA.no AS. The EPD tool is integrated into the company's environmental management system, and has been approved by EPD-Norway

Developer of EPD:

Ellinor Johansson

Reviewer of company-specific input data and EPD:

Christian Nilsson

Approved:

Sign



Håkon Hauan, CEO EPD-Norge

Product

Product description:

Dalapro Nova is a ready-mixed allround filler. This hand filler has good filling capacity and the smooth consistency makes it easy to work with. Suitable for initial filling, joint filling and thin smoothing. Suitable for most substrates in new construction and renovation.

MATERIAL CONSUMPTION

For joint filling on plasterboard: approx. 0.3 litres/metre.

For thin smoothing with a 1 mm layer thickness: approximately 1 litre/square metre.

Product specification

Packaging: 0,2-litre and 0,4-litre Tube,

0,5-litre container, 3-litre and 10-litre plastic buckets

Dalapro Nova 10 litre is packaged in a bucket manufactured in 100 % recyclable plastic and consists of at least 90 % recycled plastic.

All calculations of the packaging material is made with the 10 liters bucket that represent the majority of the market.

Nordic Swan Ecolabel

M1 Certified Product

BASTA

| Materials | % |
|-----------------|--------|
| Water | 20-50 |
| Filler-dolomite | 40-50 |
| Filler-perlite | 1-5 |
| Binder | 2,5-10 |
| Packaging | |
| Pallet | |

Technical data:

Binding agent: Latex co-polymer

Solvent: Water

Filler: Microspheres and white dolomite

Grain size: Max. 0.2 mm

pH: Approx. 9

Colour: Grey

Flammability: Does not spread or support fire

Market:

Europe

Reference service life, product

Filler has a limited shelf life and is date-marked.

Unopened packaging can be kept in a dark place, free from frost, for up to 12 months. Containers that have been opened must be sealed well. Visit dalapro.com for more information.

Reference service life, building

Not part of the declaration.

LCA: Calculation rules

Declared unit:

1 kg Dalapro Nova

Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

Data quality:

Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases,ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

| Materials | Source | Data quality | Year |
|-----------------|-------------------------|--------------|------|
| Chemicals | Chemicals below cut-off | No data | 0 |
| Cellulose Ether | ecoinvent 3.4 | Database | 2017 |
| Chemicals | ecoinvent 3.4 | Database | 2017 |
| Filler | ecoinvent 3.4 | Database | 2017 |
| Packaging | ecoinvent 3.4 | Database | 2017 |
| Water | ecoinvent 3.4 | Database | 2017 |
| Packaging | Modified ecoinvent 3.4 | Database | 2017 |
| Packaging | Supplier | Specific | 2020 |

Allocation:

The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

System boundary:

A1**A2****A3****A4**

Additional technical information:

CLEANING AND DISPOSAL

Remove as much filler as possible from the tools before cleaning them in water.

Filler residues must not be poured down the drain, but taken to the local waste disposal centre. Empty packaging completely and recycle it.

LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

Transport from production place to user (A4)

| Type | Capacity utilisation (incl. return) % | Type of vehicle | Distance km | Fuel/Energy consumption | Unit | Value (l/t) |
|----------------------|---------------------------------------|-------------------------------------|-------------|-------------------------|-------|-------------|
| Truck | 55,0 % | Truck, lorry over 32 tonnes, EURO 5 | 300 | 0,022823 | l/tkm | 6,85 |
| Railway | | | | | l/tkm | |
| Boat | | | | | l/tkm | |
| Other Transportation | | | | | l/tkm | |

Assembly (A5)

| | Unit | Value |
|--------------------------------------|----------------|-------|
| Auxiliary | kg | |
| Water consumption | m ³ | |
| Electricity consumption | kWh | |
| Other energy carriers | MJ | |
| Material loss | kg | |
| Output materials for waste treatment | kg | |
| Dust in the air | kg | |
| VOC emissions | kg | |

Use (B1)

| | Unit | Value |
|--|------|-------|
| | | |

Maintenance (B2)/Repair (B3)

| | Unit | Value |
|-------------------------|----------------|-------|
| Maintenance cycle* | | |
| Auxiliary | | |
| Other resources | | |
| Water consumption | m ³ | |
| Electricity consumption | kWh | |
| Other energy carriers | MJ | |
| Material loss | kg | |
| VOC emissions | kg | |

Replacement (B4)/Refurbishment (B5)

| | Unit | Value |
|---------------------------|------|-------|
| Replacement cycle* | | |
| Electricity consumption | kWh | |
| Replacement of worn parts | | |

* Described above if relevant

Operational energy (B6) and water consumption (B7)

| | Unit | Value |
|---------------------------|----------------|-------|
| Water consumption | m ³ | |
| Electricity consumption | kWh | |
| Other energy carriers | MJ | |
| Power output of equipment | kW | |

End of Life (C1, C2)

| | Unit | Value |
|---------------------------------------|------|-------|
| Hazardous waste disposed | kg | |
| Collected as mixed construction waste | kg | |
| Reuse | kg | |
| Recycling | | |
| Energy recovery | | |
| To landfill | kg | |

Transport to waste processing (C2)

| Type | Capacity utilisation (incl. return) % | Type of vehicle | Distance km | Fuel/Energy consumption | Unit | Value (l/t) |
|----------------------|---------------------------------------|-----------------|-------------|-------------------------|-------|-------------|
| Truck | | | | | l/tkm | |
| Railway | | | | | l/tkm | |
| Boat | | | | | l/tkm | |
| Other Transportation | | | | | l/tkm | |

LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

| Product stage | | | | Construction installation stage | User stage | | | | | | | End of life stage | | | | Beyond the system boundaries |
|---------------|-----------|---------------|-----------|---------------------------------|------------|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-----------|------------------|----------|------------------------------------|
| Raw materials | Transport | Manufacturing | Transport | 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 | MND | MND | MND | MND | MND | MND | MND | MND | MND | MND | MND | MND | MND |

Environmental impact

| Parameter | Unit | A1-A3 | A4 |
|-----------|--------------------------------------|----------|----------|
| GWP | kg CO ₂ -eq | 1,87E-01 | 2,62E-02 |
| ODP | kg CFC11 -eq | 2,02E-08 | 5,10E-09 |
| POCP | kg C ₂ H ₄ -eq | 1,03E-04 | 4,23E-06 |
| AP | kg SO ₂ -eq | 1,69E-03 | 8,51E-05 |
| EP | kg PO ₄ ³⁻ -eq | 3,28E-04 | 1,43E-05 |
| ADPM | kg Sb -eq | 1,14E-06 | 5,91E-08 |
| ADPE | MJ | 4,48E+00 | 4,11E-01 |

GWP Global warming potential; ODP Depletion potential of the stratospheric ozone layer; POCP Formation potential of tropospheric photochemical oxidants; AP Acidification potential of land and water; EP Eutrophication potential; ADPM Abiotic depletion potential for non fossil resources; ADPE Abiotic depletion potential for fossil resources

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

Resource use

| Parameter | Unit | A1-A3 | A4 |
|-----------|----------------|----------|----------|
| RPEE | MJ | 1,50E+00 | 7,42E-03 |
| RPEM | MJ | 7,85E-01 | 0,00E+00 |
| TPE | MJ | 2,28E+00 | 7,42E-03 |
| NRPE | MJ | 3,36E+00 | 4,23E-01 |
| NRPM | MJ | 1,81E+00 | 0,00E+00 |
| TRPE | MJ | 5,18E+00 | 4,23E-01 |
| SM | kg | 3,06E-02 | 0,00E+00 |
| RSF | MJ | 0,00E+00 | 0,00E+00 |
| NRSF | MJ | 0,00E+00 | 0,00E+00 |
| W | m ³ | 3,05E-03 | 9,98E-05 |

RPEE Renewable primary energy resources used as energy carrier; RPEM Renewable primary energy resources used as raw materials; TPE Total use of renewable primary energy resources; NRPE Non renewable primary energy resources used as energy carrier; NRPM Non renewable primary energy resources used as materials; TRPE 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; W Use of net fresh water

"Reading example: 9,0 E-03 = $9,0 \cdot 10^{-3} = 0,009$ "

*INA Indicator Not Assessed

End of life - Waste

| Parameter | Unit | A1-A3 | A4 |
|-----------|------|----------|----------|
| HW | kg | 6,92E-04 | 2,25E-07 |
| NHW | kg | 1,41E-01 | 3,84E-02 |
| RW | kg | INA* | INA* |

HW Hazardous waste disposed; NHW Non hazardous waste disposed; RW Radioactive waste disposed

"Reading example: 9,0 E-03 = $9,0 \cdot 10^{-3} = 0,009$ "

*INA Indicator Not Assessed

End of life - Output flow

| Parameter | Unit | A1-A3 | A4 |
|-----------|------|----------|----------|
| CR | kg | 0,00E+00 | 0,00E+00 |
| MR | kg | 1,16E-03 | 0,00E+00 |
| MER | kg | 0,00E+00 | 0,00E+00 |
| EEE | MJ | INA* | INA* |
| ETE | MJ | INA* | INA* |

CR Components for reuse; MR Materials for recycling; MER Materials for energy recovery; EEE Exported electric energy; ETE Exported thermal energy

"Reading example: 9,0 E-03 = $9,0 \cdot 10^{-3} = 0,009$ "

*INA Indicator Not Assessed

Additional Norwegian requirements

Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

| Electricity mix | Data source | Amount | Unit |
|---|------------------------|--------|----------------------------|
| Renewable electricity with Guarantee of Origin from LOS (kWh) | Modified ecoinvent 3.4 | 60,20 | g CO ₂ -ekv/kWh |

Dangerous substances

The product contains no substances given by the REACH Candidate list or the Norwegian priority list.

Indoor environment

Emission test performed by Eurofins according to the ISO 16000 standard.

Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.

ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.

EN 15804:2012+A1:2013 Environmental product declaration - Core rules for the product category of construction products.

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NPCR 009 Part B for technical-chemical products. Ver. 1.0 June 2018, EPD-Norge.

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