

RAITWOOD

ABOUT THE MANUFACTURER

RAITWOOD | AS RAIT is dedicated to producing planed and industrially coated finishing and construction materials from Nordic softwood.

AS RAIT was established in 1991 and is among the largest privately owned and independent forest industry companies in Estonia. RAITWOOD is today one of the leading producers of planed softwood paneling and other profiles with annual capacity of 65 million linear meters. On two modern planning lines about 160 000 cbm of sawn timber is annually processed into interior and exterior wallpanelling, decking and strength graded construction wood.

Deliveries are made internationally to established customers in 40 countries around the world. RAITWOOD provides products for industrial consumers (manufacturers of wooden houses, garden houses, doors, windows and furniture) as well as to wholesalers and retail chains. In this way RAITWOOD products reach many end-users.

Industrially finished (coated) panelling is produced mainly for the building industry and prefab house manufacturers in the Baltic countries. In the finishing we use environment friendly water based coating systems (paints, lacquers, stains and waxes) for interior and exterior panelling

References: <https://www.raitwood.ee/en/references/>

Manufacturer	AS RAIT / RAITWOOD
EPD author	Daniel Satola, Civitta International OÜ
EPD verifier	Mari Kirss, Rangi Maja OÜ
EPD program operator	The Building Information Foundation RTS sr
Background data	This EPD is based on Ecoinvent 3.8 (Allocation, cut-off, EN15804) and One Click LCA databases.
LCA software	The LCA and EPD have been created using One Click LCA Pre-Verified EPD Generator for Wood and plant-fibre-based products.

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents, and compliance with EN 15804, ISO 14025, and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The background report (project report) for this EPD

Why does verification transparency matter? [Read more online.](#)

VERIFICATION OVERVIEW

Following independent third party has verified this specific EPD:

EPD verification information	Answer
Independent EPD verifier	Mari Kirss, Rangi Maja OÜ
EPD verification started on	18.12.2023
EPD verification completed on	05.03.2024
Approver of the EPD verifier	The Building Information Foundation RTS sr

Author & tool verification	Answer
EPD author	Daniel Satola, Civitta International OÜ
EPD Generator module	Wood and plant-fibre based products
Software verification date	17 January 2021

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of

- the data collected and used in the LCA calculations,
- the way the LCA-based calculations have been carried out,
- the presentation of environmental data in the EPD, and
- other additional environmental information, as present

with respect to the procedural and methodological requirements in ISO 14025:2010 and EN 15804:2012+A2:2019.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

ANNEX 1 : ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

PLANED SOFTWOOD PRODUCTS WITHOUT COATING

Impact category	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	5,76E+01	3,34E+01	3,46E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,78E+00	9,78E+00	1,34E+01	-7,70E+01
Ozone depletion Pot.	kg CFC-11e	8,57E-06	6,18E-06	5,85E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,00E-07	1,08E-06	4,53E-07	-7,91E-06
Acidification	kg SO ₂ e	2,58E-01	1,10E-01	5,07E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,20E-02	4,89E-02	1,23E-02	-1,74E-01
Eutrophication	kg PO ₄ ³ e	1,15E-01	2,45E-02	4,49E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,73E-03	2,37E-02	5,12E-01	-1,09E-01
POCP ("smog")	kg C ₂ H ₄ e	3,30E-02	4,44E-03	1,14E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,93E-04	1,78E-03	2,97E-03	-9,81E-03
ADP-elements	kg Sbe	2,04E-04	1,17E-04	1,78E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,32E-05	2,97E-05	6,25E-06	-8,34E-05
ADP-fossil	MJ	9,13E+02	5,00E+02	6,63E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,66E+01	1,33E+02	4,38E+01	-1,35E+03

PLANED SOFTWOOD PRODUCTS WITH COATING

Impact category	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	1,36E+02	9,29E+00	3,46E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,75E+00	9,78E+00	1,34E+01	-7,70E+01
Ozone depletion Pot.	kg CFC-11e	1,43E-05	1,72E-06	5,85E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,94E-07	1,08E-06	4,53E-07	-7,91E-06
Acidification	kg SO ₂ e	1,11E+00	2,96E-02	5,07E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,19E-02	4,89E-02	1,23E-02	-1,74E-01
Eutrophication	kg PO ₄ ³ e	3,84E-01	6,71E-03	4,49E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,71E-03	2,37E-02	5,12E-01	-1,09E-01
POCP ("smog")	kg C ₂ H ₄ e	8,93E-02	1,21E-03	1,14E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,88E-04	1,78E-03	2,97E-03	-9,81E-03
ADP-elements	kg Sbe	9,39E-04	3,25E-05	1,78E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,31E-05	2,97E-05	6,25E-06	-8,34E-05
ADP-fossil	MJ	1,78E+03	1,39E+02	6,63E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,61E+01	1,33E+02	4,38E+01	-1,35E+03