Eterno Ivica S.r.l.

ENVIRONMENTAL PRODUCT DECLARATION

Adjustable supports for outdoor raised floors

"New Maxi NM2, " "New Maxi NM3," "Eterno SE2," "Eterno SE3"

Manufactured at the production site in Via Austria 25/C, Padova (PD), Italy

In accordance with ISO 14025 and EN 15804:2012 + A2:2019

Program Operator	EPDItaly
Publisher	EPDItaly

Declaration Number	001-22-SVS-EPD – rev.00
Registration Number	EPDItaly0595

Date of issue	29/05/2024
Valid until	29/05/2029

GENERAL INFORMATION

EPD Owner:	Eterno Ivica S.r.l., Via Austria 25/E, 35127 Padova – Italia (www.eternoivica.com)
Program Operator:	EPDItaly, Via Gaetano De Castillia, 10, 20124 – Milano – Italia (www.epditaly.it)
Production Site:	Via Austria 25/C, Padova (PD) – Italia
Products:	Sopporti regolabili per pavimentazioni sopraelevate: - New Maxi NM2, New Maxi NM3 - Eterno SE2, Eterno SE3
Type of EPD:	EPD product specification
CPC Code:	88520
Reference PCR:	ICMQ-001/15 rev. 3 dated 02/12/2019 EN 15804 is the framework reference for PCRs.
EPDItaly Regulations:	EPDItaly Program Regulations rev.6.0 dated 30/10/2023 (www.epditaly.it)
Third-party verification:	Independent verification of the declaration and data conducted in accordance with ISO 14025 ☐ Internal ☑ External Third-party verification performed by: ICMQ S.p.A. - Via Gaetano de Castillia, 10 - 20124 Milano (MI) - ITALY (www.icmq.it). Accredited by Accredia.
Liability:	Eterno Ivica S.r.l. releases EPDItaly from any non-compliance with environmental legislation. The holder of the declaration will be responsible for supporting information and evidence. EPDItaly disclaims any responsibility regarding the information, data and results provided by Eterno Ivica S.r.l. for the life cycle assessment.
Comparability	Environmental statements published within the same product category, but from different programs, may not be comparable. In particular, EPD of construction products may not be comparable if they do not comply with EN 15804:2012+A2:2019.
Technical support	The Life Cycle Assessment (LCA) study and this EPD were carried out by Qoncert S.r.l. (www.qoncert.it)

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THE COMPANY

Eterno Ivica is a company that has been active in the field of private, industrial and architectural construction for more than 60 years, distinguishing itself by its high degree of quality and innovation. The company was founded in 1955 as I.v.i.c.a. “Industria Veneta Idrofughi Catrami e Affini” by Favero Ruggero. Now the company’s activities encompass broader sectors in the field of construction.

Its mission is to offer high quality materials and systems, designed and built in Italy, which are sold and used all over the world. Eterno Ivica is committed to constant innovation, always seeking new solutions and cutting-edge technologies to meet the needs of its customers. The company holds numerous certifications, including ISO 14001, ISO 9001, SA 8000, REACH and Leed Credits.

Eterno Ivica produces a wide range of products:

PEDESTAL
Supports for outdoor raised floors

WOODECK
Outdoor substructures for all wood and aluminum floors

GRF SYSTEM
Laying of raised floors on grids

ETERNO
Accessories for waterproofing roofs and terraces

LIQUID
Systems and accessories for liquid waterproofing

PHONOLOOK
Design solutions for soundproofing

ACUSTICA
Products for soundproofing

VENT
Silenced ventilation and aeration

MONDIAL
Products for water drainage

PRODOUCTS

The products under study are the “New Maxi NM2”, “New Maxi NM3”, “Eterno SE2” and “Eterno SE3” adjustable supports for outdoor raised floors belonging to the “Pedestal” line, manufactured at the Padua factory in Via Austria 25/C

Eterno Ivica adjustable supports offer multiple solutions to compensate for small imperfections and large slopes of any laying surface, to always obtain perfectly stable and flat raised floors. The supports are simply placed over the waterproofing membrane or any other surface intended to be paved, if necessary, using one or more accessories from a wide range.

The supports consist of three different components, a base and screw made of recycled polypropylene and a head made of two-component material (recycled polypropylene and thermoplastic rubber).

New Maxi Supports – NM

There are so many features that have made New Maxi “NM” supports the perfect choice for elevation: the anti-noise rubber head, variable heights, easy-break base for quick installation and high breaking load. New Maxi adjustable supports are available in five different sizes covering heights ranging from 15 mm to 270 mm. Of these sizes, only the two models **NM2** and **NM3** are considered in this document.

Eterno – SE Supports

The Eterno "SE" adjustable self-leveling floor support with tilting head was the first in a long series of accessories for outdoor raised floors. Its merit: combining technicality, aesthetics and ease of installation. Eterno adjustable supports are available in different sizes covering heights ranging from 28 mm to 550 mm. The various sizes can be obtained through additional extensions. Of these sizes, only the two models **SE2** and **SE3** are considered in this presentation. The two selected supports do not have additional extensions and therefore consist only of a bi-material base, a screw, and a bi-material head.

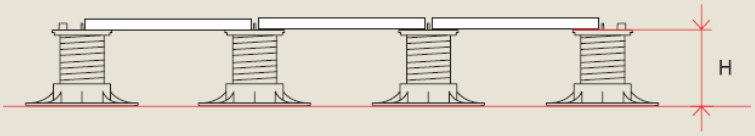
PRODUCTS

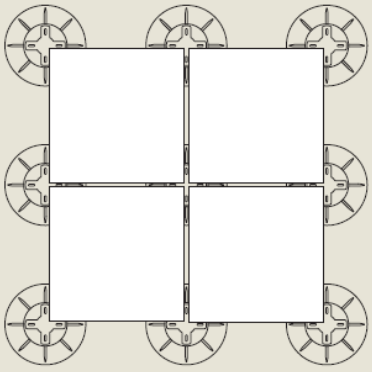
Mass percentage compositions of the analyzed supports

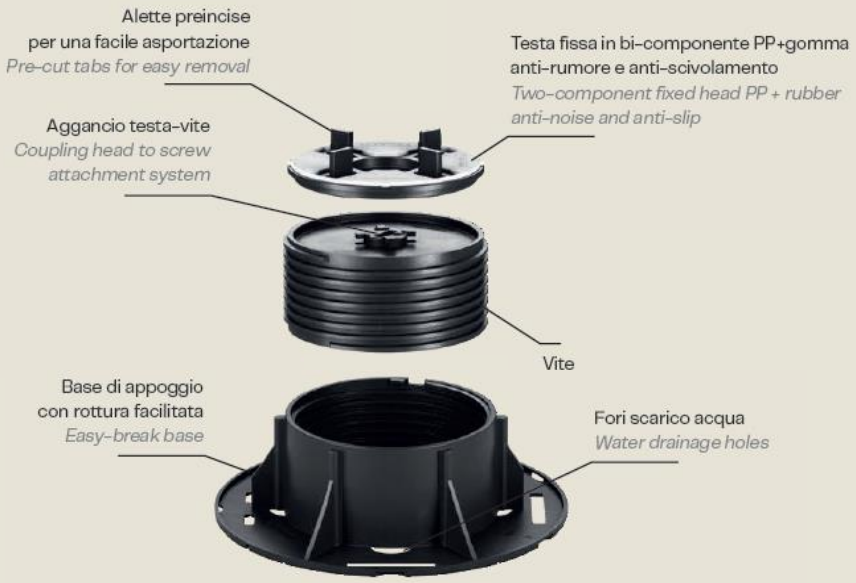
Component	NM2	NM3	SE2	SE3
BASE - Polypropylene	55,0%	54,8%	62,4%	58,7%
SCREW - Polypropylene	27,8%	31,4%	19,0%	26,9%
HEAD - Polypropylene and TPS rubber	17,2%	13,8%	18,6%	14,4%

Morphological characteristics of the analyzed supports

	NM2	NM3	SE2	SE3
Base diameter	205 mm	205 mm	205 mm	205 mm
Base thickness	2 mm	2 mm	5 mm	5 mm
Head diameter	110 mm	110 mm	110 mm	110 mm
Supporting surface	330 cm^2	330 cm^2	330 cm^2	330 cm^2
Minimum height	40 mm	60 mm	50 mm	75 mm
Maximum height	70 mm	100 mm	75 mm	120 mm
Spacer fin thickness	2-3-4 mm	2-3-4 mm	2-3-4 mm	2-3-4 mm
Spacer tab height	12 mm	12 mm	12 mm	12 mm
Average weight	0,270 kg	0,337 kg	0,347 kg	0,448 kg



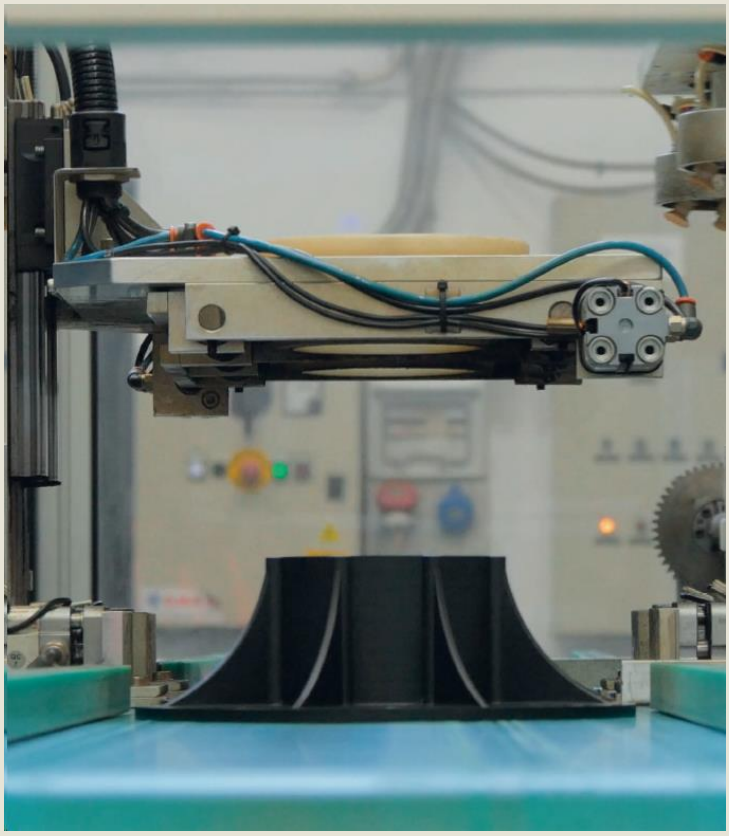


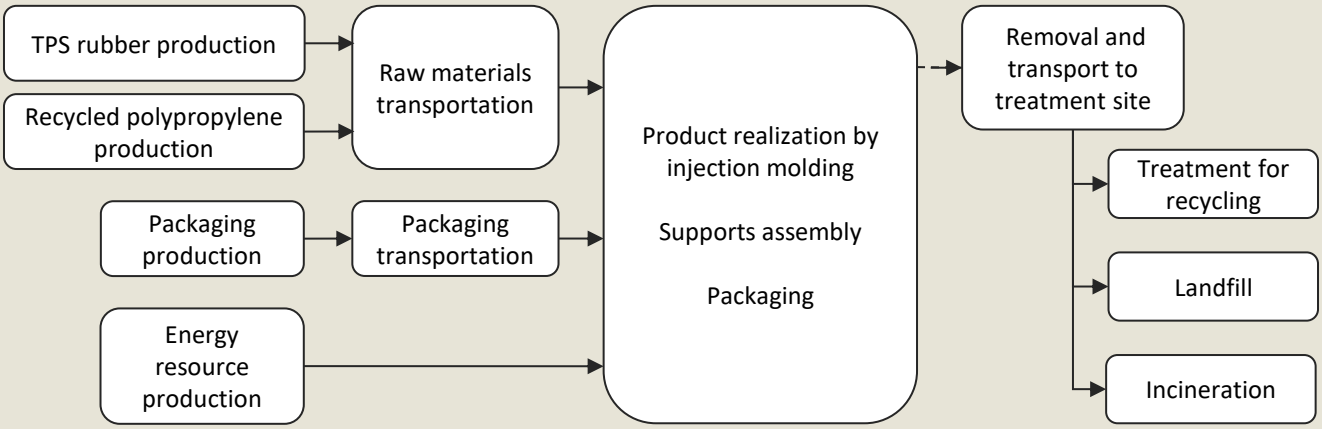


THE MANUFACTURING PROCESS

All Eterno Ivica products are designed and entirely manufactured in Italy. The production of the three constituent components of the supports is done in automation by injection molding. In this production process, the plastic material is melted and injected at high pressure inside a closed mold; after the time necessary for cooling has elapsed, the mold is opened and the molded component is extracted.

Assembly of the manufactured components takes place in an automated manner in screwing centers located near the presses. The supports so assembled are packaged and stored for sale.





GENERAL INFORMATION

This Environmental Statement shows the environmental impacts related to four specific products manufactured by Eterno Ivica S.r.l.

The impact indicators were obtained through an LCA study, which considers the following life cycle stages: production and supply of raw materials (A1), transportation of raw materials to the production site (A2), product manufacturing process (A3), end-of-life demolition (C1), transportation of final waste to the treatment site (C2), final treatment processes (C3), disposal of residual waste (C4). In addition, the study also assesses the presence of any benefits beyond the system boundaries (D).

PRODUCTION PHASE			CONSTRUCTION PHASE		USE PHASE							END-OF-LIFE PHASE				Benefits beyond system boundaries
Extraction and supply of raw materials	Transportation to the production site	Product realization	Transport to the construction site	Laying	Use	Maintenance	Repair	Replacement	Renovation	Energy consumption during use	Water consumption during use	Demolition	Transportation of demolition waste	Waste treatment	Waste disposal	Potential for reuse - recovery - recycling
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
✓	✓	✓	MND	MND	MND	MND	MND	MND	MND	MND	MND	✓	✓	✓	✓	✓

MND: *Non Declared Module*

Declared unit: an adjustable support for raised flooring, including packaging

Type of EPD: specific, for products listed in this statement only

Reporting period: from January 2021 to December 2021

Production site: via Austria 25/C, Padova (PD) – Italy

Database: Ecoinvent v.3.9.1

Software: Simapro 9.5.0.0

Geographical validity: Italy – Products made in Italy and marketed domestically and abroad

Mass of supports (including packaging) with reference to the declared unit (UD)

Support	Reference flow
NM2	0,323 kg/UD
NM3	0,401 kg/UD
SE2	0,390 kg/UD
SE3	0,504 kg/UD

GENERAL INFORMATIONS

Data Quality

The LCA study is based on specific primary data collected directly from the company through the completion of data collection questionnaires. For upstream processes, where possible, reference is made to secondary specific data taken directly from suppliers of the material used to make the products that are being studied.

For all processes where primary data are not available, reference was made to secondary data taken from the LCA Ecoinvent, Allocation, Cut-off by Classification database. The generic data used meet the data quality characteristics required by the EPDItaly Regulations and the reference PCRs and can come from site-specific sources or average data. The use of proxy data, approximate data for which these characteristics are not met, is limited.

Allocation principles

With regard to raw materials of virgin origin, both the impacts associated with the materials themselves and those associated with their production processes were considered. Regarding raw materials of recycled origin, only the impacts of the recycling process from End of Waste status are considered. Outputs subject to recycling are considered inputs to the next life cycle.

Where this could not be avoided, some aspects of the production process have been allocated among the outputs of the plant considered on an economic basis. Allocation is necessary for impacts for which disaggregated measured data or other information is not available to produce disaggregated consumption data by means of appropriate calculations or estimates.

Cut-off

The cut-off rules in EN 15804:2019 were applied, according to which the exclusions applied do not exceed 1% of the mass and energy flows entering the system.

Exclusions

As per the PCR used, the company's capital assets were not considered, as well as the infrastructure contribution, which was also excluded.

Impacts related to transportation of operating personnel to and from the workplace were also excluded.

The key in the media installation kit was not considered in the study

Calculation methods:

"EN 15804 + A2 Method" - "Cumulative Energy Demand v1.11" - "ReCiPe 2016 Mid-point (H) v1.1"

PROCESSES INCLUDED IN SYSTEM BOUNDARIES

Phase A1

It includes all impacts associated with the production of the raw materials used to make the supports, recycled filled polypropylene and thermoplastic rubber. The module also includes impacts related to the supply of energy resources used in the plant's production process. For internally recovered material (production waste), in line with the allocation rules applied to the study, no input environmental load related to the extraction of raw materials was attributed in order to avoid double counting.

Phase A2

It includes external transportation of raw materials, plastic and rubber, and media packaging from suppliers to the production plant.

Phase A3

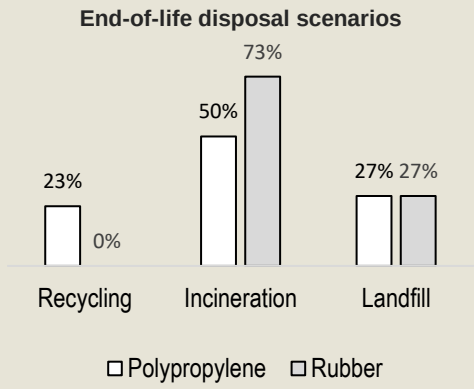
It includes impacts related to the manufacture of media at the production plant. Within module A3, the following were considered:

- the plant's water consumption for general use;
- the production and treatment of waste from the plant and its transport to the operator's site;
- the air emissions produced by the plant;
- the consumption of auxiliary materials;
- the manufacture of packaging for the supports.

Phases C1, C2, C3, C4

A manual removal of the end-of-life supports was considered for demolition step C1. Phase C2 includes the transport of the end-of-life supports to the disposal and/or recovery site (50 km). Phases C3 and C4 were evaluated on the availability of data as recent and representative as possible regarding the scenarios of the end-of-life of plastics and rubber in Italy and Europe ("Plastic waste from B&C in EU 2018," Plastics Europe).

These scenarios include material recycling, landfill disposal and incineration.



Phase D

Module D includes avoided impacts related to the production of virgin source material for the generation of electrical and thermal energy produced by the incineration of end-of-life media.

ENVIRONMENTAL PERFORMANCE – NM2

Indicators *Core*

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
GWPtotal	kg CO_2eq	3,57E-01	1,89E-03	1,72E-02	0,00E+00	2,04E-03	1,03E-02	3,58E-01	-1,78E-01
GWPfossil	kg CO_2eq	3,38E-01	1,89E-03	4,08E-02	0,00E+00	2,04E-03	1,03E-02	3,58E-01	-1,76E-01
GWPbiogenic	kg CO_2eq	1,83E-02	5,72E-07	-2,43E-02	0,00E+00	6,20E-07	2,50E-05	1,67E-05	-1,66E-03
GWPluluc	kg CO_2eq	3,89E-05	3,71E-08	7,32E-04	0,00E+00	4,02E-08	4,96E-06	6,97E-07	-6,63E-06
ODP	kg CFC-11eq	6,41E-09	4,09E-11	1,31E-09	0,00E+00	4,43E-11	7,93E-11	9,58E-11	-5,89E-09
AP	mol H^+eq	1,02E-03	5,71E-06	1,85E-04	0,00E+00	6,36E-06	1,44E-05	4,65E-05	-3,11E-04
EPfw	kg Peq	4,29E-05	1,29E-08	2,24E-05	0,00E+00	1,40E-08	7,75E-07	3,22E-07	-1,38E-05
EPmarine	kg Neq	2,22E-04	2,34E-06	1,22E-04	0,00E+00	2,63E-06	1,04E-05	5,40E-05	-6,79E-05
EPterrestrial	mol Neq	2,13E-03	2,49E-05	6,03E-04	0,00E+00	2,80E-05	4,72E-05	2,44E-04	-7,25E-04
POCP	kg NMVOCeq	9,58E-04	9,07E-06	1,80E-04	0,00E+00	1,01E-05	1,59E-05	6,23E-05	-3,76E-04
ADPminerals[1]	kg Sbeq	2,03E-08	6,50E-11	1,28E-08	0,00E+00	7,05E-11	1,04E-08	1,67E-09	-1,68E-09
ADPfossil[1]	MJ	6,33E+00	2,52E-02	5,74E-01	0,00E+00	2,73E-02	3,00E-02	3,13E-02	-2,62E+00
WDP[1]	m^3 deprived	8,79E-02	2,30E-05	2,50E-02	0,00E+00	2,50E-05	8,33E-04	-2,34E-06	-2,61E-02

[1] The results of this environmental impact indicator should be used with caution as experience in using this indicator is limited.

Resource consumption

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
PERE	MJ	1,22E-01	5,72E-05	2,81E-02	0,00E+00	6,20E-05	1,49E-03	4,34E-04	-2,82E-02
PERM	MJ	5,78E-02	8,90E-06	5,63E-01	0,00E+00	9,65E-06	4,42E-04	1,62E-04	-2,23E-02
PERT	MJ	1,79E-01	6,61E-05	5,91E-01	0,00E+00	7,17E-05	1,93E-03	5,96E-04	-5,05E-02
PENRE	MJ	6,84E+00	2,67E-02	6,17E-01	0,00E+00	2,90E-02	3,22E-02	3,42E-02	-2,87E+00
PENRM	MJ	4,87E-05	2,74E-09	1,58E-03	0,00E+00	2,97E-09	5,51E-06	1,02E-06	-2,51E-06
PENRT	MJ	6,84E+00	2,67E-02	6,19E-01	0,00E+00	2,90E-02	3,22E-02	3,42E-02	-2,87E+00
SM	kg	1,96E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	2,37E-03	1,05E-06	7,38E-04	0,00E+00	1,14E-06	2,60E-05	3,07E-05	-7,77E-04

Outflows and waste generated

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
HWD	kg	1,29E-05	1,66E-07	1,45E-04	0,00E+00	1,80E-07	1,64E-07	4,26E-07	-9,74E-06
NHWD	kg	1,50E-02	1,23E-06	8,41E-03	0,00E+00	1,33E-06	2,19E-03	7,53E-02	-7,95E-04
RWD	kg	5,77E-06	2,16E-09	1,11E-06	0,00E+00	2,34E-09	3,06E-08	9,84E-09	-2,38E-06
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	4,86E-03	0,00E+00	0,00E+00	5,52E-02	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	5,73E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,69E-01	0,00E+00
EET	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,10E+00	0,00E+00

ENVIRONMENTAL PERFORMANCE – NM3

Indicators Core

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
GWPtotal	kg CO_2eq	3,89E-01	2,34E-03	1,99E-02	0,00E+00	2,55E-03	1,29E-02	4,45E-01	-2,21E-01
GWPfossil	kg CO_2eq	3,67E-01	2,34E-03	4,94E-02	0,00E+00	2,55E-03	1,28E-02	4,45E-01	-2,19E-01
GWPbiogenic	kg CO_2eq	2,20E-02	7,07E-07	-3,04E-02	0,00E+00	7,74E-07	3,13E-05	2,05E-05	-2,07E-03
GWPluluc	kg CO_2eq	4,62E-05	4,58E-08	8,87E-04	0,00E+00	5,01E-08	6,21E-06	8,58E-07	-8,26E-06
ODP	kg CFC-11eq	6,83E-09	5,06E-11	1,59E-09	0,00E+00	5,53E-11	9,92E-11	1,16E-10	-7,33E-09
AP	mol H^+eq	1,12E-03	7,07E-06	2,25E-04	0,00E+00	7,94E-06	1,80E-05	5,77E-05	-3,87E-04
EPfw	kg Peq	4,65E-05	1,60E-08	2,72E-05	0,00E+00	1,75E-08	9,71E-07	3,96E-07	-1,72E-05
EPmarine	kg Neq	2,48E-04	2,90E-06	1,48E-04	0,00E+00	3,28E-06	1,30E-05	6,65E-05	-8,45E-05
EPterrestrial	mol Neq	2,35E-03	3,09E-05	7,33E-04	0,00E+00	3,50E-05	5,91E-05	3,03E-04	-9,03E-04
POCP	kg NMVOCeq	1,05E-03	1,12E-05	2,19E-04	0,00E+00	1,26E-05	1,99E-05	7,74E-05	-4,68E-04
ADPminerals[1]	kg Sbeq	2,27E-08	8,05E-11	1,56E-08	0,00E+00	8,80E-11	1,30E-08	2,07E-09	-2,09E-09
ADPfossil[1]	MJ	7,03E+00	3,11E-02	6,98E-01	0,00E+00	3,40E-02	3,76E-02	3,88E-02	-3,26E+00
WDP[1]	m^3 deprived	9,29E-02	2,85E-05	3,01E-02	0,00E+00	3,12E-05	1,04E-03	-3,43E-05	-3,25E-02

[1] The results of this environmental impact indicator should be used with caution as experience in using this indicator is limited.

Resource consumption

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
PERE	MJ	1,39E-01	7,08E-05	3,42E-02	0,00E+00	7,74E-05	1,87E-03	5,27E-04	-3,51E-02
PERM	MJ	6,09E-02	1,10E-05	6,96E-01	0,00E+00	1,20E-05	5,54E-04	1,98E-04	-2,78E-02
PERT	MJ	2,00E-01	8,18E-05	7,30E-01	0,00E+00	8,95E-05	2,42E-03	7,25E-04	-6,29E-02
PENRE	MJ	7,60E+00	3,31E-02	7,52E-01	0,00E+00	3,62E-02	4,02E-02	4,23E-02	-3,58E+00
PENRM	MJ	5,98E-05	3,39E-09	1,92E-03	0,00E+00	3,71E-09	6,90E-06	1,27E-06	-3,13E-06
PENRT	MJ	7,60E+00	3,31E-02	7,54E-01	0,00E+00	3,62E-02	4,03E-02	4,23E-02	-3,58E+00
SM	kg	2,45E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	2,49E-03	1,30E-06	8,90E-04	0,00E+00	1,42E-06	3,25E-05	3,41E-05	-9,67E-04

Outflows and waste generated

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
HWD	kg	1,37E-05	2,05E-07	1,64E-04	0,00E+00	2,25E-07	2,06E-07	5,29E-07	-1,21E-05
NHWD	kg	1,81E-02	1,52E-06	9,87E-03	0,00E+00	1,66E-06	2,74E-03	9,38E-02	-9,90E-04
RWD	kg	6,05E-06	2,67E-09	1,35E-06	0,00E+00	2,92E-09	3,83E-08	1,19E-08	-2,96E-06
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	5,49E-03	0,00E+00	0,00E+00	6,91E-02	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	6,48E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,08E-01	0,00E+00
EET	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,37E+00	0,00E+00

ENVIRONMENTAL PERFORMANCE – SE2

Indicators Core

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
GWPtotal	kg CO_2eq	4,70E-01	2,01E-03	1,57E-02	0,00E+00	2,63E-03	1,33E-02	4,58E-01	-2,28E-01
GWPfossil	kg CO_2eq	4,46E-01	2,01E-03	3,52E-02	0,00E+00	2,63E-03	1,32E-02	4,58E-01	-2,26E-01
GWPbiogenic	kg CO_2eq	2,39E-02	6,08E-07	-2,01E-02	0,00E+00	7,96E-07	3,22E-05	2,11E-05	-2,13E-03
GWPluluc	kg CO_2eq	5,07E-05	3,94E-08	5,88E-04	0,00E+00	5,16E-08	6,40E-06	8,82E-07	-8,51E-06
ODP	kg CFC-11eq	8,62E-09	4,35E-11	1,09E-09	0,00E+00	5,70E-11	1,02E-10	1,19E-10	-7,55E-09
AP	mol H^+eq	1,34E-03	6,11E-06	1,52E-04	0,00E+00	8,18E-06	1,86E-05	5,94E-05	-3,98E-04
EPfw	kg Peq	5,73E-05	1,37E-08	1,82E-05	0,00E+00	1,80E-08	1,00E-06	4,07E-07	-1,77E-05
EPmarine	kg Neq	2,92E-04	2,51E-06	1,00E-04	0,00E+00	3,38E-06	1,34E-05	6,84E-05	-8,71E-05
EPterrestrial	mol Neq	2,81E-03	2,67E-05	4,94E-04	0,00E+00	3,60E-05	6,09E-05	3,12E-04	-9,30E-04
POCP	kg NMVOCeq	1,26E-03	9,70E-06	1,54E-04	0,00E+00	1,30E-05	2,05E-05	7,97E-05	-4,82E-04
ADPminerals[1]	kg Sbeq	2,40E-08	6,92E-11	1,07E-08	0,00E+00	9,06E-11	1,34E-08	2,13E-09	-2,15E-09
ADPfossil[1]	MJ	8,28E+00	2,68E-02	4,76E-01	0,00E+00	3,50E-02	3,87E-02	3,99E-02	-3,36E+00
WDP[1]	m^3 deprived	1,14E-01	2,45E-05	2,28E-02	0,00E+00	3,21E-05	1,07E-03	-3,92E-05	-3,35E-02

[1] The results of this environmental impact indicator should be used with caution as experience in using this indicator is limited.

Resource consumption

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
PERE	MJ	1,61E-01	6,09E-05	2,30E-02	0,00E+00	7,97E-05	1,92E-03	5,41E-04	-3,61E-02
PERM	MJ	7,84E-02	9,47E-06	4,71E-01	0,00E+00	1,24E-05	5,71E-04	2,04E-04	-2,86E-02
PERT	MJ	2,39E-01	7,03E-05	4,94E-01	0,00E+00	9,21E-05	2,49E-03	7,45E-04	-6,47E-02
PENRE	MJ	8,96E+00	2,84E-02	5,12E-01	0,00E+00	3,73E-02	4,15E-02	4,35E-02	-3,68E+00
PENRM	MJ	6,32E-05	2,92E-09	1,27E-03	0,00E+00	3,82E-09	7,11E-06	1,31E-06	-3,22E-06
PENRT	MJ	8,96E+00	2,84E-02	5,14E-01	0,00E+00	3,73E-02	4,15E-02	4,35E-02	-3,68E+00
SM	kg	2,52E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	3,09E-03	1,12E-06	6,54E-04	0,00E+00	1,47E-06	3,35E-05	3,46E-05	-9,96E-04

Outflows and waste generated

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
HWD	kg	1,76E-05	1,77E-07	2,40E-04	0,00E+00	2,31E-07	2,12E-07	5,45E-07	-1,25E-05
NHWD	kg	1,92E-02	1,30E-06	1,01E-02	0,00E+00	1,71E-06	2,83E-03	9,66E-02	-1,02E-03
RWD	kg	7,86E-06	2,29E-09	9,08E-07	0,00E+00	3,01E-09	3,95E-08	1,22E-08	-3,05E-06
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	8,10E-03	0,00E+00	0,00E+00	7,12E-02	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	9,56E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,30E-01	0,00E+00
EET	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,42E+00	0,00E+00

ENVIRONMENTAL PERFORMANCE – SE3

Indicators Core

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
GWPtotal	kg CO_2eq	5,29E-01	2,63E-03	1,66E-02	0,00E+00	3,39E-03	1,72E-02	5,90E-01	-2,95E-01
GWPfossil	kg CO_2eq	4,99E-01	2,63E-03	4,41E-02	0,00E+00	3,39E-03	1,72E-02	5,90E-01	-2,92E-01
GWPbiogenic	kg CO_2eq	2,97E-02	7,95E-07	-2,83E-02	0,00E+00	1,03E-06	4,18E-05	2,69E-05	-2,76E-03
GWPluluc	kg CO_2eq	6,23E-05	5,15E-08	7,39E-04	0,00E+00	6,67E-08	8,31E-06	1,13E-06	-1,10E-05
ODP	kg CFC-11eq	9,47E-09	5,69E-11	1,37E-09	0,00E+00	7,35E-11	1,33E-10	1,50E-10	-9,76E-09
AP	mol H^+eq	1,51E-03	8,00E-06	1,93E-04	0,00E+00	1,06E-05	2,41E-05	7,65E-05	-5,15E-04
EPfw	kg Peq	6,40E-05	1,80E-08	2,30E-05	0,00E+00	2,32E-08	1,30E-06	5,20E-07	-2,29E-05
EPmarine	kg Neq	3,35E-04	3,29E-06	1,26E-04	0,00E+00	4,37E-06	1,73E-05	8,75E-05	-1,12E-04
EPterrestrial	mol Neq	3,19E-03	3,50E-05	6,28E-04	0,00E+00	4,65E-05	7,90E-05	4,02E-04	-1,20E-03
POCP	kg NMVOCeq	1,43E-03	1,27E-05	1,96E-04	0,00E+00	1,67E-05	2,66E-05	1,03E-04	-6,23E-04
ADPminerals[1]	kg Sbeq	2,77E-08	9,05E-11	1,36E-08	0,00E+00	1,17E-10	1,74E-08	2,74E-09	-2,78E-09
ADPfossil[1]	MJ	9,49E+00	3,50E-02	6,10E-01	0,00E+00	4,52E-02	5,02E-02	5,13E-02	-4,34E+00
WDP[1]	m^3 deprived	1,24E-01	3,20E-05	2,80E-02	0,00E+00	4,14E-05	1,39E-03	-8,80E-05	-4,33E-02

[1] The results of this environmental impact indicator should be used with caution as experience in using this indicator is limited.

Resource consumption

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
PERE	MJ	1,90E-01	7,96E-05	2,92E-02	0,00E+00	1,03E-04	2,50E-03	6,83E-04	-4,67E-02
PERM	MJ	8,50E-02	1,24E-05	6,37E-01	0,00E+00	1,60E-05	7,41E-04	2,59E-04	-3,69E-02
PERT	MJ	2,75E-01	9,20E-05	6,67E-01	0,00E+00	1,19E-04	3,24E-03	9,42E-04	-8,36E-02
PENRE	MJ	1,03E+01	3,72E-02	6,56E-01	0,00E+00	4,81E-02	5,38E-02	5,59E-02	-4,76E+00
PENRM	MJ	8,02E-05	3,81E-09	1,59E-03	0,00E+00	4,93E-09	9,23E-06	1,69E-06	-4,16E-06
PENRT	MJ	1,03E+01	3,72E-02	6,58E-01	0,00E+00	4,81E-02	5,38E-02	5,59E-02	-4,76E+00
SM	kg	3,28E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	3,34E-03	1,46E-06	8,09E-04	0,00E+00	1,89E-06	4,35E-05	3,99E-05	-1,29E-03

Outflows and waste generated

INDICATORS	UNIT	A1	A2	A3	C1	C2	C3	C4	D
HWD	kg	1,92E-05	2,31E-07	2,59E-04	0,00E+00	2,99E-07	2,75E-07	7,03E-07	-1,61E-05
NHWD	kg	2,41E-02	1,71E-06	1,16E-02	0,00E+00	2,21E-06	3,67E-03	1,25E-01	-1,32E-03
RWD	kg	8,50E-06	3,00E-09	1,15E-06	0,00E+00	3,88E-09	5,13E-08	1,54E-08	-3,94E-06
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	8,74E-03	0,00E+00	0,00E+00	9,23E-02	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	1,03E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,43E-01	0,00E+00
EET	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,83E+00	0,00E+00

INDICATORS LEGEND

Indicators Core

GWPtotal	Global warming potential
GWPfossil	Global warming potential - fossil
GWPbiogenic	Global warming potential - biogenic
GWPluluc	Global warming potential - land use change
ODP	Potential for stratospheric ozone depletion
AP	Potential for soil and water acidification
EPfw	Freshwater eutrophication potential
EPmarine	Marine eutrophication potential
EPterrestrial	Terrestrial eutrophication potential
POCP	Tropospheric ozone formation potential
ADPminerals	Depletion potential of material resources, minerals and metals
ADPfossil	Depletion potential of fossil energy resources
WDP	Water use

Resource consumption

PERE	Consumption of renewable primary energy, excluding renewable primary energy resources used as raw materials
PERM	Consumption of renewable primary energy resources used as raw materials
PERT	Total consumption of renewable primary energy resources
PENRE	Consumption of non renewable primary energy resources, excluding primary non renewable primary energy resources used as raw materials
PENRM	Consumption of non renewable primary energy resources used as raw materials
PENRT	Total consumption of non renewable primary energy resources
SM	Consumption of secondary materials
RSF	Consumption of secondary fuels from renewable sources
NRSF	Consumption of secondary fuels from non renewable sources
FW	Net consumption of fresh water

Outflows and generated waste

HWD	Hazardous waste to landfill
NHWD	Non-hazardous waste to landfill
RWD	Radioactive waste to landfill
CRU	Materials for reuse
MFR	Materials for recycling
MER	Materials for energy recovery
EEE	Exported electric energy
EET	Exported Thermal Energy

Additional impact indicators, not reported in this EPD, were also assessed. The results are in the document "LCA Report - NM and SE Adjustable Supports."

An emission factor for GWP of 0.61 kg CO2eq/kWh was used for electricity consumed during production (residual mix).

ADDITIONAL INFORMATION

BIOGENIC CARBON CONTENT	kg C/m³			
	NM2	NM3	SE2	SE3
Biogenic carbon content in products	0	0	0	0
Biogenic carbon content in packaging	2,28E-02	2,79E-02	1,87E-02	2,44E-02
NOTE: *1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2*				

MINIMUM RECYCLED, RECOVERED AND BY-PRODUCT MATERIAL CONTENT							
Product name[1)]		Recycled material			Recovered material	By-products	Total[2)]
		Pre-consumer recycled material	Post-consumer recycled material	Total recycled material			
NM2	≥	68,445%	0,000%	68,445%	0,000%	0,000%	68,445%
NM3		68,752%	0,000%	68,752%	0,000%	0,000%	68,752%
SE2		68,789%	0,000%	68,789%	0,000%	0,000%	68,789%
SE3		69,063%	0,000%	69,063%	0,000%	0,000%	69,063%
LEGEND: n.p.d.: undeclared performance NOTES: 1) All products of any size or color. 2) The value of the minimum total recycled, recovered, by-product content does not imply that all three fractions are present in the product. In particular, this value may not equal the sum of the minimum value of each fraction.							
PRODUCTION UNIT: via Austria 25/C, Padova (PD) – Italy							
REFERENCE PERIOD OF THE USED DATA: 01/01/2021 – 31/12/2021							

The content of recycled, recovered and by-product materials in the indicated products was derived from the information provided by the suppliers of the raw materials used in the production of the supports that were being analyzed. The values presented in the table refer to supports only, excluding packaging.

The products under study do not contain or release hazardous substances (Regulations (EU) 1907/2006 (REACH) and (EU) 1272/2008).

REFERENCES

- ISO 14025:2010 – Environmental labels and declarations - Type III environmental declarations - Principles and procedures.
- ISO 14040:2006 – Environmental management – Life cycle assessment – Principles and framework.
- ISO 14044:2006 – Environmental management – Life cycle assessment – Requirements and guidelines.
- EN 15804:2012+A2:2019 – Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products.
- PCR ICMQ 001/15 rev.3 - Product Category Rules “Prodotti da costruzione e servizi per costruzioni”, 02/12/2019 - www.epditaly.it
- Regolamento EPDItaly Revisione 6.0 del 30/10/2023 - www.epditaly.it
- Simapro 9.5.0.0, 2023 - www.simapro.com
- Ecoinvent, v 3.9.1, 2022 - www.ecoinvent.org
- “Rapporto LCA – Supporti regolabili NM e SE“ rev.02 del 13/05/2024

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