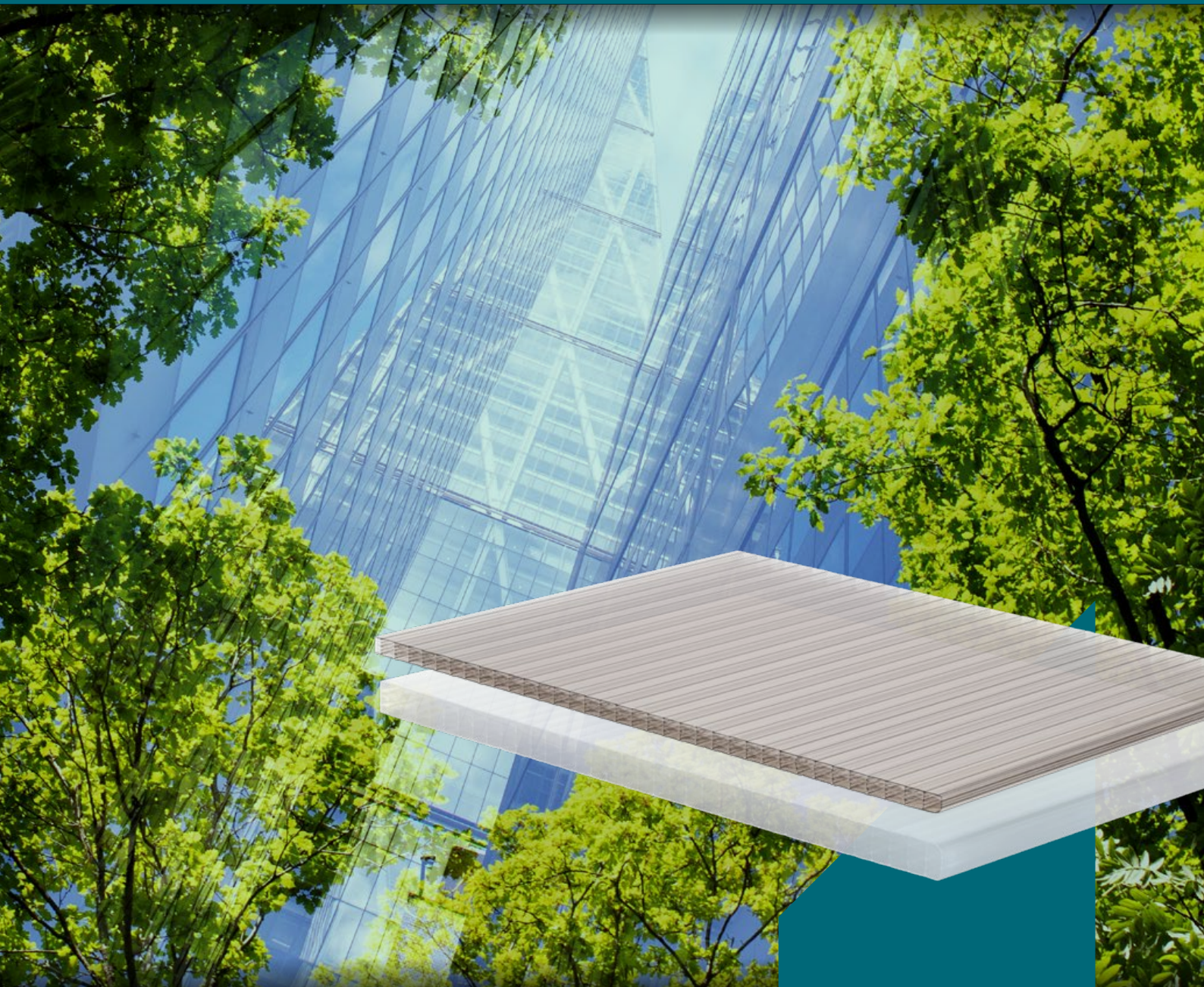


LEXAN™ THERMOCLEAR™ MULTIWALL SHEET

ENVIRONMENTAL PRODUCT DECLARATION (EPD)



LEXAN™ SHEET

POLYVANTIS

ABOUT THIS EPD

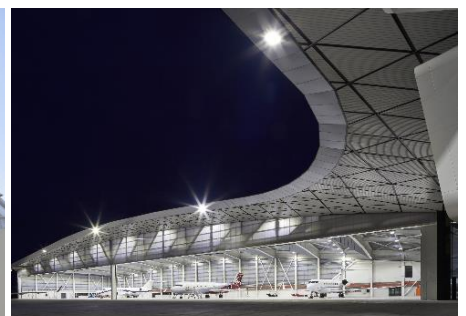
Declared Product:	LEXAN™ THERMOCLEAR™ Multiwall Sheet
Issue Date:	July 2022
Validity:	5 years from the date of publication
PCR (Product Category Rule):	EN 15804:2012 + A2:2019
Owner of EPD:	European Polycarbonate Sheet Extruders (EPSE), average self-declaration EPD for the members of EPSE producing Multiwall Polycarbonate sheet
Third Party Verification:	In accordance to EN ISO 14025 and relevant PCR Conforms to EN15804+A2 Verifier: Bernd Brandt, bernd@brandtconsulting.eu

DESCRIPTION

An Environmental Product Declaration (EPD) is a document, which transparently communicates the environmental performance or impact of any product or material over its lifetime.

PRODUCT INFORMATION

PRODUCT DESCRIPTION	PRODUCT COMPOSITION AND CONTENT															
LEXAN™ THERMOCLEAR™ Multiwall polycarbonate (PC) sheets combine a high level of mechanical, optical and thermal properties, which can be used for a wide range of applications. LEXAN THERMOCLEAR Multiwall (PC) sheet has a twenty (20) year limited warranty on breakage & weathering.	The product does not contain materials listed in the “Candidate list of Substances of Very High Concern for authorization” in a concentration over 0,1% (w/w).															
PRODUCTION PROCESS AND TECHNOLOGY	<p><i>Table 1 Composition of the product in percentages</i></p> <table border="1"> <thead> <tr> <th>Components</th> <th>Composition/content/ingredients</th> <th>Quantity (range)</th> </tr> </thead> <tbody> <tr> <td>Product</td> <td>Polycarbonate granulates</td> <td>80 - 90%</td> </tr> <tr> <td></td> <td>Regrinded polycarbonate granulates</td> <td>10 - 15%</td> </tr> <tr> <td></td> <td>UV-additives</td> <td>1 - 15%</td> </tr> <tr> <td></td> <td>Pigments (white, grey, brown/bronze, blue, violet, red)</td> <td>0.02 - 11%</td> </tr> </tbody> </table>	Components	Composition/content/ingredients	Quantity (range)	Product	Polycarbonate granulates	80 - 90%		Regrinded polycarbonate granulates	10 - 15%		UV-additives	1 - 15%		Pigments (white, grey, brown/bronze, blue, violet, red)	0.02 - 11%
Components		Composition/content/ingredients	Quantity (range)													
Product	Polycarbonate granulates	80 - 90%														
	Regrinded polycarbonate granulates	10 - 15%														
	UV-additives	1 - 15%														
	Pigments (white, grey, brown/bronze, blue, violet, red)	0.02 - 11%														
LEXAN THERMOCLEAR Multiwall Polycarbonate (PC) sheets are produced via an extrusion process. Polycarbonate pellets are compounded to a melt, which is transformed to a sheet shape through a calibration process.																



TECHNICAL DATA / PHYSICAL CHARACTERISTICS

Table 2 Technical properties of the product

Technical property	Standard	Value/unit	Comment
Reaction to fire	EN 13501-1	B-s1, d0*	Test according EN 13823
Dimensional tolerances	EN 16153	Pass	
Small hard body impact resistance	EN ISO 6603-1	Pass	
Solar energy transmittance (g)	EN 410	%	Depending on colour and thickness.
Light transmittance “τ_v”	EN 14500	%	Depending on colour and thickness.
Durability (YI and LT)	EN 16153	ΔA clear, ΔD coloured	YI [6 (ΔA) ; 10 (ΔD)] LT[8 % (ΔA and ΔD)]
Thermal transmittance (U value)	EN ISO 6946	1.2 – 3.5 W/m²K	Depending on structure and thickness
Linear thermal expansion	ISO 11359-2	65.10 ⁻⁶ K ⁻¹	Coefficient

* up to 25mm

LIFE CYCLE STAGE AND MODULES

Description of the system boundary (X = Included in LCA; MND = Module not declared)																
Product stage			Construction installation stage		Use stage							End of life stage				Beyond the system boundaries
Raw materials	Transport	Manufacturing	Transport	Construction installation stage	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	X	X	X	X	X

LCA (LIFE CYCLE ASSESSMENT)

The LCA study was performed by EPSE and ENPERAS/VITO according to the ISO 14040 and ISO 14044 (data inventory) standards (ISO, 2006). The specific data utilized in this analysis was collected and provided by EPSE. It represents the weighted average data for the year 2019, as reported by the member companies of EPSE. Generic data have been used for the processes EPSE member companies cannot influence. The European electricity mix (consumption mix + import) has been used to model electricity use in the life cycle stages. Ecoinvent 3.6 database (June 2019, Wernet et al., 2016) was used for this study.

Declared Functional Unit (FU) is the production of 1 kg of a “Multiwall Polycarbonate sheet”. LEXAN™ THERMOCLEAR™ Multiwall Polycarbonate sheets are available in thicknesses up to 32 mm.

GWP TOTAL - POTENTIAL ENVIRONMENTAL IMPACT

Global Warming Potential (GWP) represents the unit for measuring carbon footprint. GWP values for producing the declared FU is given in Table 3. GWP values to produce 1m² of Multiwall Polycarbonate sheet in typically available thicknesses is provided in Table 4.

Table 3 **Global Warming Potential** (unit for measuring carbon footprint) for the FU

	Unit	Value
Functional Unit (FU)	kg	1
Impact category	-	-
GWP-Total*	kg CO ₂ equiv./FU	6.08
GWP (A1, A2, A3) Product Stage	kg CO ₂ equiv./FU	4.20

Table 4 GWP values for 1m² of Multiwall Polycarbonate (PC) Sheet in available thicknesses.

Thickness MWS (mm)	Nominal weight (kg/m ²)	Conversion factor to FU	GWP Total* for 1m ² (kg CO ₂ equiv.)	GWP (A1, A2, A3) for 1m ² (kg CO ₂ equiv.)
6	1.3	0.77	7.90	5.45
8	1.5	0.67	9.07	6.27
10	1.7	0.59	10.31	7.12
16	2.4	0.42	14.48	10.00
20	2.8	0.36	16.89	11.67
25	3.0	0.33	18.42	12.73
32	3.5	0.29	20.97	14.48

*Included is:

Product Stage: A1, A2, A3

Installation stage: A4

End of life Stage: C1, C2, C3, C4



LCA RESULTS

The following tables show the results of the potential environmental impacts per reference flow, resource use, waste categories & output flows. The results presented here refer to the Declared Functional Unit (FU) of 1 kg of a “Multiwall Polycarbonate sheet”.

POTENTIAL ENVIRONMENTAL IMPACTS PER REFERENCE FLOW

	Production			Construction process		Use stage							End-of-life stage				D Reuse, recovery, recycling	Total excl module
	A1 Raw material	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Overhaul energy use	B7 Operational water use	C1 Deconstruct / demolition	C2 Transport	C3 Waste processing	C4 Disposal		
GWP - total (kg CO2 equiv/FU)	3.75E+00	1.05E-01	3.42E-01	6.63E-01	3.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-02	4.98E-02	8.9E-04	8.02E-01	-1.05E+00	6.08E+00
GWP - fossil (kg CO2 equiv/FU)	3.75E+00	1.05E-01	6.04E-01	6.62E-01	4.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.7E-02	4.98E-02	8.08E-04	8.02E-01	-1.04E+00	6.05E+00
GWP - biogenic (kg CO2 equiv/FU)	9.10E-04	6.9E-05	-2.64E-01	4.50E-04	2.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	2.03E-05	1.04E-05	5.92E-05	-1.7E-03	2.9E-02
GWP - luluc (kg CO2 equiv/FU)	1.65E-03	4.78E-05	1.69E-03	3.64E-04	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.74E-05	7.62E-07	1.56E-05	-7.57E-04	3.88E-03
ODP (kg CFC 11 equiv/FU)	1.34E-07	2.26E-08	6.77E-08	1.4E-07	2.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	1.9E-08	6.47E-11	6.53E-09	-6.1E-08	3.89E-07
AP (kg mol H+ equiv/FU)	9.90E-03	3.72E-04	4.77E-03	3.02E-03	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	2.03E-04	3.78E-06	2.35E-04	-2.47E-03	1.88E-02
EP - freshwater (kg P equiv/FU)	4.4E-05	1.27E-06	5.87E-05	8.30E-06	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-06	3.9E-07	9.42E-08	7.85E-07	-2.29E-05	1.8E-04
EP - marine (kg N - equiv/FU)	2.09E-03	9.03E-05	6.39E-04	8.49E-04	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	6.03E-05	1.4E-06	1.4E-04	-5.34E-04	3.93E-03
EP - terrestrial (mol N -equiv/FU)	2.4E-02	1.0E-03	8.06E-03	9.46E-03	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.67E-04	1.39E-05	1.03E-03	-5.87E-03	4.24E-02
PCCP (kg NMVOC equiv/FU)	6.93E-03	3.38E-04	2.29E-03	2.98E-03	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	2.04E-04	3.46E-06	2.76E-04	-1.83E-03	1.32E-02
ADP - minerals&metals (kg Sb equiv/FU)	1.58E-05	1.98E-07	4.36E-06	1.99E-06	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	9.69E-08	1.0E-09	4.4E-08	-4.1E-07	2.26E-05
ADP fossil (MJ/FU)	9.35E+01	1.58E+00	1.34E+01	9.8E+00	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-01	7.50E-01	1.0E-02	2.63E-01	-2.4E+01	1.20E+02
WDP (m3 world eq.deprived/FU)	4.63E+00	5.58E-03	2.86E-01	3.6E-02	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-03	2.09E-03	3.66E-05	9.52E-03	-8.68E-01	4.96E+00

RESOURCE USE

	Production			Construction process stage		Use stage							End-of-life stage				D Reuse, recovery, recycling	Total excl module D
	A1 Raw material	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruct / demolition	C2 Transport	C3 Waste processing	C4 Disposal		
PERE (MJ equiv/FU)	1.37E+00	3.53E-02	3.53E+00	2.9E-01	6.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-01	1.04E-02	1.53E-03	2.09E-02	-4.35E+00	5.93E+00
PERM (MJ equiv/FU)	3.89E-02	0.00E+00	2.34E+00	0.00E+00	-6.0E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+00
PERT (MJ equiv/FU)	1.4E+00	3.53E-02	5.88E+00	2.9E-01	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-01	1.04E-02	1.53E-03	2.09E-02	-4.35E+00	7.7E+00
PENRE (MJ equiv/FU)	9.04E+01	1.6E+00	-2.9E+00	1.00E+01	4.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.5E-01	7.55E-01	1.39E-02	3.05E-01	-2.44E+01	1.07E+02
PENRM (MJ equiv/FU)	3.6E-02	0.00E+00	1.76E+01	0.00E+00	-4.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+01
PENRT (MJ equiv/FU)	9.04E+01	1.6E+00	1.54E+01	1.00E+01	1.8E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.5E-01	7.55E-01	1.39E-02	3.05E-01	-2.44E+01	1.20E+02
SM (kg/FU)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.3E-01	0.00E+00
RSF (MJ equiv/FU)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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 equiv/FU)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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 (m3 water eq/FU)	1.6E-01	1.74E-04	9.8E-03	1.05E-03	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	5.42E-05	2.59E-06	4.70E-04	-2.33E-02	1.28E-01

WASTE CATEGORIES & OUTPUT FLOWS

	Production			Construction process stage		Use stage							End-of-life stage				D Reuse, recovery, recycling	Total excl module
	A1 Raw material	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		
Hazardous waste disposed (kg/FU)	6.30E-06	4.00E-06	1.74E-05	7.6E-05	4.1E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	1.97E-06	1.80E-08	6.93E-07	-8.1E-06	1.07E-04
Non-hazardous waste disposed (kg/FU)	1.40E-01	7.00E-02	1.68E-01	3.5E-01	1.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	3.59E-02	4.09E-05	4.02E-01	-2.66E-02	1.28E+00
Radioactive waste disposed (kg/FU)	2.19E-05	1.06E-05	5.67E-05	6.55E-05	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-06	5.12E-06	5.17E-08	1.20E-06	-2.76E-05	1.68E-04
Components for re-use (kg/FU)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (kg/FU)	0.00E+00	0.00E+00	5.11E-02	0.00E+00	1.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-01	0.00E+00	-5.3E-01	5.3E-01
Materials for energy recovery (kg/FU)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy (MJ/FU)	0.00E+00	0.00E+00	7.0E-03	0.00E+00	1.9E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.9E+00	1.9E+00

IMPACT CATEGORIES ADDITIONAL TO EN15804+A2

	Production			Construction process stage		Use stage							End-of-life stage				D Reuse, recovery, recycling	Total excl module
	A1 Raw material	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		
PM (disease incidence eq/FU)	7.0E-08	6.77E-09	2.94E-08	4.55E-08	1.1E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-10	3.46E-09	5.9E-11	2.06E-09	-1.47E-08	1.60E-07
IRP (kg U235 eq/FU)	1.95E-01	7.1E-03	6.86E-02	4.35E-02	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-03	3.28E-03	3.74E-05	1.07E-03	-6.44E-02	3.26E-01
ETP - fw (CTUw/FU)	5.49E+01	1.32E+00	2.28E+01	9.37E+00	1.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-01	6.0E-01	8.83E-03	2.26E+00	-1.03E+01	9.20E+01
HTP - c (CTUh/FU)	3.46E-08	4.34E-11	1.0E-09	5.30E-10	3.82E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-11	1.69E-11	2.8E-13	1.53E-10	-5.44E-10	3.65E-08
HTP - nc (CTUh/FU)	4.5E-08	1.40E-09	2.43E-08	1.04E-08	2.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-10	6.55E-10	8.03E-12	1.53E-09	-8.6E-09	8.42E-08
SOP (I)	4.55E+00	1.0E+00	3.74E+01	4.99E+00	1.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-01	5.17E-01	6.66E-03	2.89E-01	-2.85E+01	4.92E+01



INFORMATION ON BIOGENIC CARBON CONTENT

There is no biogenic carbon content in the product. Uptake of biogenic CO₂ within the pallets and the carton is reported in module A3, release in module A5.

	Biogenic carbon content (kg C / FU)
Biogenic carbon content in product (at the gate)	0,00E+00
Biogenic carbon content in accompanying packaging (at the gate)	7.58E-02

This EPD, a self-declaration of the Environmental Impacts, is valid for products sold globally, produced in Europe.

REFERENCES

- Datasheets www.polyvantis.com
- ISO 14040:2006: Environmental Management-Life Cycle Assessment-Principles and framework.
- ISO 14044:2006: Environmental Management-Life Cycle Assessment-Requirements and guidelines.
- ISO 14025:2006: Environmental labels and Declarations-Type III Environmental Declarations principles.

- EN 15804+A2:2019. CEN TC350. Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products. European standard.
- European Commission, PEFCR Guidance document, - Guidance for the development of Product Environmental Footprint Category Rules (PEFCRs), version 6.3, December 2017.
- Life cycle assessment and EPDs (average, self-declaration) for solid and multiwall polycarbonate sheets produced by the European Polycarbonate Sheet Extruders (EPSE); December 2021.

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF F&S B.V., F&S US LLC, POLYVANTIS GmbH, POLYVANTIS Sanford LLC, OR ITS SUBSIDIARIES OR AFFILIATES ("SELLER" or "POLYVANTIS") ARE SOLD SUBJECT TO RESPECTIVE SELLER'S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UNDER <https://www.polyvantis.com/en/terms-conditions> AND UPON REQUEST. Information, technical advice, and recommendations contained in this document OR provided otherwise are based on POLYVANTIS' present knowledge and experience and are given in good faith. HOWEVER, POLYVANTIS MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING POLYVANTIS' MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN RESPECTIVE SELLER'S STANDARD CONDITIONS OF SALE, POLYVANTIS SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of POLYVANTIS' materials, products, services, or recommendations for the user's particular use through appropriate end-use and other testing and analysis by qualified experts. Nothing in any document or oral statement shall be deemed to alter or waive any provision of respective Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by POLYVANTIS. Statements by POLYVANTIS concerning a possible use of any material, product, service, or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of POLYVANTIS or as a recommendation for the use of any material, product, service, or design in a manner that infringes any patent or other intellectual property right.

Semi-finished polymethyl methacrylate (PMMA) products from POLYVANTIS are sold on the European, Asian, African, and Australian continents under the registered trademark PLEXIGLAS®, in the Americas under the registered trademark ACRYLITE®, both owned by Röhm GmbH, Darmstadt, or its affiliates. Semi-finished polycarbonate (PC) products from POLYVANTIS are sold under the registered trademark LEXAN™ owned by SABIC Innovative Plastics B.V., Bergen op Zoom, or its affiliates.

® / ™ are registered trademarks