

GWP-t

(global warming potential-total)

The table shows the climate change potential in kg CO₂-Aqv. per m² for all glasses.

The basis for the values is the Environmental Product Declaration (EPD) of 12.12.2022 with the declaration number EPD-LPG-28.1, which was prepared by the ift Institute in accordance with the DIN EN ISO 14025 and EN 15804 standards.

A distinction is made between life cycle phases A1-A3 (manufacturing phase) and A1-D (complete life cycle). The values for A1-A3 come for the most part from the Lamberts glass factory and were verified by ift. For the phases A4-D, values from the GaBi database were used by ift.

Product stage			Construction stage		Use stage*							End-of-life stage				Benefits and loads from beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw material supply	Transport	Manufacture	Transport	Construction/installation process	Use	Maintenance	Repair	Replacement	Modification/refurbishment	Operational energy use	Operational water use	Deconstruction/demolition	Transport	Waste processing	Disposal	Re-use Recovery Recycling potential
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* For the declared B modules, the calculation of the results included the specified RSL related to one year.

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LINIT U-profiled glass refined

Profile	kg CO ₂ -Aqv. per m ²	
	A1-A3	A1-D
P15	7,47	6,62
P23	6,78	6,02
P26	6,55	5,81
P33	6,25	5,54
P50	5,94	5,27
P15/60/7	10,22	9,07
P18/60/7	9,51	8,44
P23/60/7	8,89	7,89
P23/80/7	10,13	8,99
P26/60/7	8,36	7,41
P26/80/7	9,42	8,36
P33/60/7	8,09	7,18
P40/60/7	7,65	6,78

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LINIT U-profiled glass

Profile	kg CO ₂ -Aqv. per m ²	
	A1-A3	A1-D
P15	7,00	6,19
P23	6,35	5,62
P26	6,14	5,43
P33	5,85	5,18
P50	5,57	4,92
P15/60/7	9,58	8,47
P18/60/7	8,91	7,88
P23/60/7	8,33	7,36
P23/80/7	9,50	8,39
P26/60/7	7,83	6,92
P26/80/7	8,83	7,80
P33/60/7	7,58	6,70
P40/60/7	7,16	6,33

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Flat glass (patterned, solar, wired glasses)

Thickness	kg CO ₂ -Aqv. per m ²	
	A1-A3	A1-D
3,2 mm	3,01	2,70
4,0 mm	3,76	3,37
5,0 mm	4,70	4,22
6,0 mm	5,64	5,06
7,0 mm	6,58	5,90
8,0 mm	7,52	6,75
9,0 mm	8,46	7,59
10,0 mm	9,40	8,43
12,0 mm	11,28	10,12