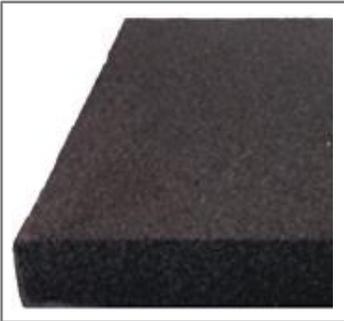




PRODUCT ENVIRONMENTAL FOOTPRINT SUMMARY

FOAMGLAS® CELLULAR GLASS INSULATION



FOR INDUSTRIAL APPLICATIONS

Owens Corning® FOAMGLAS® Cellular Glass Insulation is a lightweight, rigid and durable material composed of glass cells. It is non-combustible, provides outstanding compressive strength, moisture resistance, dimensional stability and offers long-lasting thermal performance. This makes FOAMGLAS® insulation ideal for mission critical roofs.

Declared/Functional Unit

1 m² of insulation material as delivered to the job site at R_{SI}=1

Results below are in accordance with the standard unit reported in the Environmental Product Declaration (EPD).

						
	Global Warming Potential Embodied Carbon	Ozone Depletion Potential	Smog Formation Potential	Acidification Potential	Eutrophication Potential	Depletion of Abiotic Resources (Fossil Fuels)
	kg CO ₂ eq.	kg CFC 11 eq.	kg O ₃ eq.	kg SO ₂ eq.	kg N eq.	MJ
Weighted average product Cellular Glass Insulation						
A1- A3	24.1	1.91 x 10 ⁻⁷	2.38	0.134	0.070	320
Total A1-A5, C1-C4	25.0	2.07 x 10 ⁻⁷	2.43	0.137	0.075	333
FOAMGLAS® HLB 800 Cellular Glass Insulation*						
A1- A3	25.8	2.04 x 10 ⁻⁷	2.55	0.144	0.075	343
Total A1-A5, C1-C4	26.7	2.21 x 10 ⁻⁷	2.60	0.146	0.080	356
FOAMGLAS® HLB 1000 Cellular Glass Insulation*						
A1- A3	28.0	2.21 x 10 ⁻⁷	2.76	0.156	0.082	371
Total A1-A5, C1-C4	29.0	2.40 x 10 ⁻⁷	2.81	0.158	0.087	386
FOAMGLAS® HLB 1200 Cellular Glass Insulation*						
A1- A3	31.6	2.50 x 10 ⁻⁷	3.12	0.176	0.092	419
Total A1-A5, C1-C4	32.7	2.71 x 10 ⁻⁷	3.18	0.179	0.098	436
FOAMGLAS® HLB 1400 Cellular Glass Insulation*						
A1- A3	34.5	2.73 x 10 ⁻⁷	3.41	0.192	0.101	458
Total A1-A5, C1-C4	35.7	2.96 x 10 ⁻⁷	3.47	0.195	0.107	476

	Global Warming Potential Embodied Carbon	Ozone Depletion Potential	Smog Formation Potential	Acidification Potential	Eutrophication Potential	Depletion of Abiotic Resources (Fossil Fuels)
	kg CO ₂ eq.	kg CFC 11 eq.	kg O ₃ eq.	kg SO ₂ eq.	kg N eq.	MJ
FOAMGLAS® HLB 1600 Cellular Glass Insulation*						
A1- A3	37.6	2.98 x 10 ⁻⁷	3.72	0.210	0.110	500
Total A1-A5, C1-C4	39.0	3.23 x 10 ⁻⁷	3.78	0.213	0.117	520
FOAMGLAS® ONE™ Cellular Glass Insulation*						
A1- A3	23.1	1.83 x 10 ⁻⁷	2.29	0.129	0.067	307
Total A1-A5, C1-C4	24.0	1.99 x 10 ⁻⁷	2.33	0.131	0.072	320
FOAMGLAS® StrataFab® Cellular Glass Insulation*						
A1- A3	26.5	2.10 x 10 ⁻⁷	2.62	0.148	0.077	352
Total A1-A5, C1-C4	27.5	2.28 x 10 ⁻⁷	2.67	0.150	0.082	366
Reference Service Life	75 years					
Validity Period	05/23/2024 – 05/22/2029					
Data Verification	<ul style="list-style-type: none"> ✓ 3rd Party reviewed Life Cycle Assessment (LCA) ✓ 3rd party verified Environmental Product Declaration (EPD) 					
LCA Software	SimaPro 9.5.0.0					
LCIA Methodology	TRACI 2.1 v1.08; CML I-A baseline v4.7; IPCC (2013, 2021)					
LCI Database	ecoinvent 3.9.1					
Manufacturing Location(s)	Sedalia, Missouri, USA					

*These values are calculated per page 17 from the EPD

For the full EPD, visit <https://www.owenscorning.com/dms/10027050>

For additional product information, visit <https://www.owenscorning.com/en-us/insulation/industrial/foamglas>

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Pub. No. 10027866, April 2025
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