



PRODUCT ENVIRONMENTAL FOOTPRINT SUMMARY

NATURAL POLYMERS CLOSED CELL SPRAY POLYURETHANE FOAM INSULATION



Natural Polymers spray polyurethane foam (SPF) insulation products are engineered to provide a wide range of performance characteristics, including thermal comfort and sound control.

Declared/Functional Unit

1 m² of installed insulation material at R_{SI}=1

Results below represent an R-value of 1 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
Natural-Therm® 2.0 HFO Summer-Winter, Ultra-Pure® Closed Cell						
A1- A3	2.56	6.95 x 10 ⁻⁵	0.130	0.00957	0.00826	42.9
Total A1-A5, C1-C4	3.07	6.95 x 10 ⁻⁵	0.209	0.0121	0.00843	47.9

Reference Service Life	75 years
Validity Period	July 16, 2025 – July 15, 2030
Data Verification	✓ 3rd Party reviewed Life Cycle Assessment (LCA) ✓ 3rd party verified Environmental Product Declaration (EPD)
LCA Software	SimaPro 9.6
LCIA Methodology	TRACI 2.1 v1.08; CML I-A baseline v4.7; IPCC (2013)
LCI Database	ecoinvent 3.10
Manufacturing Location(s)	Cortland, Illinois, USA

For the full EPD, visit <https://www.owenscorning.com/dms/10027907>

For additional product information, visit <https://www.owenscorning.com/en-us/insulation/residential/spray-foam>

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