



PRODUCT ENVIRONMENTAL FOOTPRINT SUMMARY

700 SERIES FIBERGLAS™ INSULATION (FACED)



Owens Corning® 700 Series Fiberglas™ Insulation boards are made of inorganic glass fibers with a thermosetting resin binder and formed into semi-rigid or rigid rectangular boards. It is available with two factory-applied facing option: FRK (foil-reinforced Kraft) and ASJ (All-Service Jacket) Max.

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
700 Series Fiberglas™ Insulation Unfaced						
A1- A3	6.21	1.41 x 10 ⁻⁷	0.273	0.021	0.0028	110
Total A1-A5, C1-C4	6.44	1.43 x 10 ⁻⁷	0.283	0.022	0.0029	112
700 Series Fiberglas™ Insulation with Foil Reinforced Kraft (FRK) Facing						
A1- A3	6.77	1.47 x 10 ⁻⁷	0.312	0.024	0.0031	116
Total A1-A5, C1-C4	7.01	1.49 x 10 ⁻⁷	0.325	0.025	0.0032	118
700 Series Fiberglas™ Insulation with ASJ Max Facing						
A1- A3	6.93	1.51 x 10 ⁻⁷	0.322	0.025	0.0032	119
Total A1-A5, C1-C4	7.19	1.53 x 10 ⁻⁷	0.337	0.026	0.0032	122

Reference Service Life	75 years
Validity Period	12/09/2024 – 12/08/2029
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)
LCI Database	ecoinvent 3.10.0
Manufacturing Location(s)	Newark, Ohio, USA

For the full EPD, visit <https://www.owenscorning.com/dms/10023869>
For additional product information, visit <https://www.owenscorning.com/en-us/insulation>

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