



PRODUCT ENVIRONMENTAL FOOTPRINT SUMMARY

THERMAFIBER® FORMALDEHYDE-FREE MINERAL WOOL INSULATION

SAFB™ FF UNFACED



Thermafiber® SAFB™ (Sound Attenuation Fire Blankets) Formaldehyde-Free are mineral wool insulation batts designed for architects, specifiers, and contractors interested in achieving green building standards and using products that exclude red-list¹ materials like formaldehyde.

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
Thermafiber® Mineral Wool Insulation – SAFB™ FF Unfaced						
A1 - A3	1.03	1.32 x 10 ⁻⁷	0.0736	0.00469	0.00147	1.44
Total A1-A5, C1-C4	1.35	2.10 x 10 ⁻⁷	0.132	0.00669	0.00168	2.23

Reference Service Life	75 years
Validity Period	October 1, 2021 – October 1, 2026
Data Verification	✓ 3 rd Party reviewed Life Cycle Assessment (LCA) ✓ 3 rd party verified Environmental Product Declaration (EPD) ✓ 3 rd party verified EPD multi-attribute optimization
LCA Software	SimaPro 9.1
LCIA Methodology	TRACI 2.1 v1.05
LCI Database	ecoinvent 3.6
Manufacturing Location(s)	Joplin, Missouri, USA

¹Reference Cradle to Cradle Innovation Institute banned list and Living Building Challenge Red List

For the full EPD, visit <https://www.owenscorning.com/dms/10023691>

For Optimization Summary, visit <https://www.owenscorning.com/dms/10025129>

For additional product information, visit <https://www.owenscorning.com/formaldehyde-free>

THERMAFIBER, INC.
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA

888-TFIBER [834-2371]
www.owenscorning.com/thermafiber