THERMAFIBER® MINERAL WOOL INSULATION

BUY CLEAN CALIFORNIA ACT GUIDANCE

On July 1, 2022, the Buy Clean California Act (BCCA) established a maximum acceptable global warming potential (GWP) limit for "eligible materials" including mineral wool board insulation used in public works projects.

BCCA GWP LIMITS (EFFECTIVE JANUARY 1, 2022)[1]

Product Density	GWP Limit
Light-density 2.5 lbs/ft^3 – 4.3 lbs/ft^3	3.33 kg CO_2 eq./1 m^2 at R_{SI} = 1
Heavy-density 4.4 lbs/ft^3 – 8 lbs/ft^3	8.16 kg CO_2 eq./1 m^2 at R_{SI} = 1

BCCA GWP LIMITS (EFFECTIVE JANUARY 1, 2025)[1]

Product Density	GWP Limit
Light-density 2.5 lbs/ft^3 – 4.3 lbs/ft^3	2.68 kg CO_2 eq./1 m^2 at R_{SI} = 1
Heavy-density 4.4 lbs/ft^3 – 8 lbs/ft^3	6.82 kg CO_2 eq./1 m^2 at R_{SI} = 1

[1] GWP limit is based on a 100-year lifetime impact. See https://www.dgs.ca.gov/PD/Resources/Page-Content/Procurement-Division-Resources-List-Folder/Buy-Clean-California-Act

THERMAFIBER® MINERAL WOOL INSULATION

The following values for various unfaced products are calculated based on Thermafiber® Mineral Wool Insulation Environmental Product Declaration (EPD). Refer to the EPD for the methodology. All light and heavy density products subject to the BCCA GWP Limit comply with the BCCA GWP Limit. Values are provided here for informational purposes only.

LIGHT DENSITY PRODUCTS (LESS THAN 4.3 LBS/FT^3)

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
Fire & Sound Guard® Plus R-10	1.24
Fire & Sound Guard® Plus R-11	1.07
Fire & Sound Guard® Plus R-12	1.03
Fire & Sound Guard® Plus R-13	0.95
Fire & Sound Guard® Plus R-14	1.24
Fire & Sound Guard® Plus R-15	1.14
Fire & Sound Guard® Plus R-20	0.97
Fire & Sound Guard® Plus R-21	0.93
Fire & Sound Guard® Plus R-22	1.15
Fire & Sound Guard® Plus R-22.5	0.94
Fire & Sound Guard® Plus R-23	1.10
Fire & Sound Guard® Plus R-24	1.24
Fire & Sound Guard® Plus R-28	1.19
Fire & Sound Guard® Plus R-30	1.13
Fire & Sound Guard® Plus R-32	1.15
FireSpan® 40	1.62
Industrial Board 40	1.68
Peace & Quiet™ (2.5 pcf)	0.95
SAFB™ (2.5 pcf)	0.95
SAFB™ (4 pcf)	1.62
Safing (4 pcf)	1.69
VersaBoard® 35	1.42
VersaBoard® 40	1.69

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HEAVY DENSITY PRODUCTS (4.4 LBS/FT³ – 8 LBS/FT³)

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
EIFS Board	3.09
FireSpan® 90	2.64
Industrial Board 60	1.88
Industrial Board 80	2.33
Industrial Fabrication Board	2.75
RainBarrier®	1.83
RainBarrier® Dark	2.44
RainBarrier® ci High Compressive (80)	2.97
RainBarrier® ci High Compressive Plus (110)	3.39
RainBarrier® ci High Compressive Max (140)	4.66
Safing (6 pcf)	2.54
TopStop®	2.45
VersaBoard® 60	2.54
VersaBoard® 80	3.39

ADDITIONAL HEAVY DENSITY PRODUCTS (GREATER THAN 8 LBS/FT³)

These products have densities greater than the 4.4 lbs/ft^3 – 8 lbs/ft^3 range for the heavy density products for which a GWP limit has been set. Values are provided here for informational purposes only.

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
FireSpan® 120	3.81
Industrial Board 120	3.81

For the full Thermafiber® Mineral Wool Insulation EPD, visit https://www.owenscorning.com/dms/10019415

For additional product information, visit https://www.owenscorning.com/thermafiber

THERMAFIBER® FORMALDEHYDE-FREE MINERAL WOOL INSULATION

The following values for various unfaced products are calculated based on Thermafiber® Formaldehyde-Free Mineral Wool Insulation Environmental Product Declaration (EPD). Refer to the EPD for the methodology. All light and heavy density products subject to the BCCA GWP Limit comply with the GWP Limit. Values are provided here for informational purposes only.

LIGHT DENSITY PRODUCTS (LESS THAN 4.3 LBS/FT³)

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
Fire & Sound Guard® Plus FF R-10	1.11
Fire & Sound Guard® Plus FF R-11	0.96
Fire & Sound Guard® Plus FF R-13	0.85
Fire & Sound Guard® Plus FF R-14	1.11
Fire & Sound Guard® Plus FF R-15	1.02
Fire & Sound Guard® Plus FF R-21	0.83
Fire & Sound Guard® Plus FF R-22	1.03
Fire & Sound Guard® Plus FF R-22.5	0.84
Fire & Sound Guard® Plus FF R-23	0.98
Fire & Sound Guard® Plus FF R-24	1.11
Fire & Sound Guard® Plus FF R-30	1.01
Fire & Sound Guard® Plus FF R-32	1.03
FireSpan® 40 FF	1.45
Peace & Quiet™ FF (2.5 pcf)	0.85
SAFB™ FF (2.5 pcf)	0.85
SAFB™ FF (4 pcf)	1.45
Safing FF (4 pcf)	1.52

THERMAFIBER® MINERAL WOOL INSULATION

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HEAVY DENSITY PRODUCTS (4.4 LBS/FT^3 – 8 LBS/FT^3)

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
FireSpan® 90 FF	2.36
Safing FF (6 pcf)	2.27

ADDITIONAL HEAVY DENSITY PRODUCTS (GREATER THAN 8 LBS/FT^3)

These products have densities greater than the 4.4 lbs/ft^3 – 8 lbs/ft^3 range for the heavy density products for which a GWP limit has been set. Values are provided here for informational purposes only.

	Calculated Product GWP total (A1-A3) for 1 m^2 at R_{SI} = 1
FireSpan® FF 120	3.41

For the full Thermafiber® Formaldehyde-Free Mineral Wool Insulation EPD, visit https://www.owenscorning.com/dms/10023691

For additional product information, visit https://www.owenscorning.com/en-us/insulation/commercial/formaldehyde-free

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