



# 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)<sup>1</sup>

Product Density	GWP Limit
Light-density 2.5 lbs/ft <sup>3</sup> – 4.3 lbs/ft <sup>3</sup>	3.33 kg CO <sub>2</sub> eq./1 m <sup>2</sup> at R <sub>SI</sub> = 1
Heavy-density 4.4 lbs/ft <sup>3</sup> – 8 lbs/ft <sup>3</sup>	8.16 kg CO <sub>2</sub> eq./1 m <sup>2</sup> at R <sub>SI</sub> = 1

## BCCA GWP LIMITS (EFFECTIVE JANUARY 1, 2025)<sup>1</sup>

Product Density	GWP Limit
Light-density 2.5 lbs/ft <sup>3</sup> – 4.3 lbs/ft <sup>3</sup>	2.68 kg CO <sub>2</sub> eq./1 m <sup>2</sup> at R <sub>SI</sub> = 1
Heavy-density 4.4 lbs/ft <sup>3</sup> – 8 lbs/ft <sup>3</sup>	6.82 kg CO <sub>2</sub> eq./1 m <sup>2</sup> at R <sub>SI</sub> = 1

<sup>1</sup> 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 BUY CLEAN CALIFORNIA ACT GUIDANCE

## 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<sup>3</sup>)

	Calculated Product GWP (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
Fire & Sound Guard® Plus R-10	1.41
Fire & Sound Guard® Plus R-11	0.93
Fire & Sound Guard® Plus R-13	0.93
Fire & Sound Guard® Plus R-15	1.17
Fire & Sound Guard® Plus R-23	1.09
Fire & Sound Guard® Plus R-24	1.25
Fire & Sound Guard® Plus R-30	1.17
FireSpan® 40	1.69
SAFB™ (2.5 pcf)	0.88
SAFB™ (4 pcf)	1.69
Safing (4 pcf)	1.69
VersaBoard® 35	1.49
VersaBoard® 40	1.69

\*Fire & Sound Guard® Plus replaced Fire & Sound Guard® and UltraBatt™



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## HEAVY DENSITY PRODUCTS (4.4 LBS/FT<sup>3</sup> – 8 LBS/FT<sup>3</sup>)

	Calculated Product GWP (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
FireSpan® 90	2.65
RainBarrier®	1.85
RainBarrier® Dark	1.85
RainBarrier® ci High Compressive (80)	2.83
RainBarrier® ci High Compressive Plus (110)	3.19
RainBarrier® ci High Compressive Max (140)	4.18
Safing (6 pcf)	2.47
VersaBoard® 60	2.47
VersaBoard® 80	3.19

\*RainBarrier® replaced RainBarrier® 45 and RainBarrier® HD

## ADDITIONAL HEAVY DENSITY PRODUCTS (GREATER THAN 8 LBS/FT<sup>3</sup>)

These products have densities greater than the 4.4 lbs/ft<sup>3</sup> – 8 lbs/ft<sup>3</sup> 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 (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
FireSpan® 120	4.48

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

For the Thermafiber® Mineral Wool Insulation Optimization Summary visit: <https://www.owenscorning.com/dms/10025128>

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



# THERMAFIBER® MINERAL WOOL INSULATION BUY CLEAN CALIFORNIA ACT GUIDANCE

## 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/FT<sup>3</sup>)

	Calculated Product GWP (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
Fire & Sound Guard® Plus FF R-10	1.40
Fire & Sound Guard® Plus FF R-11	1.22
Fire & Sound Guard® Plus FF R-13	1.22
Fire & Sound Guard® Plus FF R-15	1.40
Fire & Sound Guard® Plus FF R-23	1.22
Fire & Sound Guard® Plus FF R-24	1.25
Fire & Sound Guard® Plus FF R-30	1.25
FireSpan® 40 FF	1.84
SAFB™ FF (2.5 pcf)	1.03
SAFB™ FF (4 pcf)	1.76
Safing FF (4 pcf)	1.76

\*Fire & Sound Guard® Plus replaced Fire & Sound Guard® and UltraBatt™



# THERMAFIBER® MINERAL WOOL INSULATION BUY CLEAN CALIFORNIA ACT GUIDANCE

## HEAVY DENSITY PRODUCTS (4.4 LBS/FT<sup>3</sup> – 8 LBS/FT<sup>3</sup>)

	Calculated Product GWP (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
FireSpan® 90 FF	3.25
Safing FF (6 pcf)	2.93

## ADDITIONAL HEAVY DENSITY PRODUCTS (GREATER THAN 8 LBS/FT<sup>3</sup>)

These products have densities greater than the 4.4 lbs/ft<sup>3</sup> – 8 lbs/ft<sup>3</sup> 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 (A1-A3) for 1 m <sup>2</sup> at R <sub>SI</sub> = 1
FireSpan® FF 120	4.17

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

For the Thermafiber® Formaldehyde-Free Mineral Wool Insulation Optimization Summary visit:  
<https://www.owenscorning.com/dms/10025129>

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

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