

LEED is a world-renowned green building rating system that serves as an important tool in the building and construction industry. LEED certifications signify that buildings minimize their lifestyle impact on the environment through the compounded benefits of product selection, construction practices, performance, and recycling. The tables that follow summarize the direct and indirect benefits of Alfred FR Metal Composite Material wall panels. Alfred FR MCM can contribute to LEED® points under both versions 3 and 4 under the following areas:

## MATERIALS & RESOURCES : Recycled Content MR Credit 4

<b>Calculation</b>	100% Post-Consumer Recycled Content + 50% Pre-Consumer Content
<b>LEED v3</b>	Use of recycled content constitutes at least 10% of the total value of materials in the project. 1 Point is awarded for 10%; 2 points are awarded for 20%.
<b>LEED v4</b>	Use of recycled content constitutes at least 25% of the total value of permanently installed materials in the project. 1 Point is awarded.

PRODUCT	THICKNESS	WEIGHT	POST-CONSUMER RECYCLED %	PRE-CONSUMER RECYCLED %	LEED CONTRIBUTION	POINTS
Alfred FR	4mm	1.51 lbs/SF	26.07%	0%	26.07%	2 Points
Alfred FR	6mm	2.13 lbs/SF	18.48%	0%	18.48%	1 Point

## MATERIALS & RESOURCES : Regional Materials MR Credit 5

Alfred FR is manufactured from materials supplied from multiple sources and regions. Therefore, it is not possible to identify nor quantify a contribution to the Regional Materials MR Credit 5.

## OPTIMIZE ENERGY PERFORMANCE : Energy & Atmosphere

Alfred FR may be able to indirectly contribute to LEED certification points for non-residential metal wall panel assemblies.

	U-VALUE	INDIRECT CONTRIBUTION
<b>LEED v3</b>	U-0.113	BD+C; Eac1 (1 to 19 points)
<b>LEED v4</b>	U-0.093	BD+C; EA credit (1 to 18 points)

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PRODUCT	THICKNESS	WEIGHT	POST-CONSUMER RECYCLED %	PRE-CONSUMER RECYCLED %	LEED CONTRIBUTION
Alfred Plate	3mm	1.66 lbs/SF	90.55%	1%	91.05%
Alfred Plate	0.080" / 2mm	1.11 lbs/SF	90.55%	1%	91.05%
Alfred Plate	0.040" / 1mm	0.56 lbs/SF	90.55%	1%	91.05%

## MATERIALS & RESOURCES : Regional Materials MR Credit 5

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