

When LEED® credits are important, TimberSIL®'s Glass Wood Products provide multiple ways to achieve more LEED® credits. TimberSIL®'s combination of wood and glass provides long life, great strength, fire retardance, VOC elimination, and non-toxic benefits for uses both inside and outside structures. Discover how your next project can achieve the following LEED® credits.

LEED® NC v2.2 Credit Information

| LEED® Category                                | Description                 | TimberSIL® Products  | Possible Credits   |
|---|-----------------------------|--|--|
| Material Resources<br>MR Credit 7             | Certified Wood              | FSC certified TimberSIL® Products are available in 2x, 4x, and 6x dimensions, and can account for 50% or more of building components, including general dimensional framing, flooring, subflooring and finishes.   | 1 point if 50% FSC by mass weight, volume or cost of wood<br>1 additional point if 95% FSC by mass weight, volume or cost of wood                        |
| Material Resources<br>MR Credit 6             | Rapidly Renewable Materials | Ten percent (10%) of the smaller dimensions of TimberSIL® Products are rapidly renewable materials. Dimensions include: 2x2, 2x4, and 4x4.   | 1 point if 2.5% of all building materials and products based on cost.<br>1 additional point for 5% of all building materials and products based on cost. |
| Material Resources<br>MR Credit 5             | Regional Materials          | TimberSIL® Products are manufactured in Greenville SC. The 500 mile radius includes most of the eastern United States, with perimeters including: NYC, Ft. Meyers FL, New Orleans, Mid-Arkansas, Chicago, and Buffalo, NY  | 1 point for 10% regional materials<br>1 additional point for 20% regional materials<br>1 additional point for 40% regional materials                     |
| Material Resources<br>MR Credit 4             | Recycled Content            | 1) The entire glass portion of TimberSIL® Glass Wood is obtained from recycled waste rice hulls.<br>2) TimberSIL® recycles and reuses its waste materials with ancillary steps for resizing waste materials, and cleaning, sanding and resurfacing returned materials. On average TimberSIL® bundles contain 5% pre-consumer recycled boards. Post-consumer recycled TimberSIL® is available by special order. | 1 point  |
| Indoor Environmental Quality<br>EQ Credit 4.4 | Low Emitting Materials      | TimberSIL® is free of VOC's and therefore can bring the benefits of protected wood into building interiors. The TimberSIL® formula is mineral based, containing no volatiles. The adhesive in TimberSIL® is glass. TimberSIL® is a complete no-VOC alternative to composite wood and agrifiber products  | 1 point  |
| Innovation in Design<br>ID Credit 1.1         | Innovation in design        | TimberSIL® Products have achieved <u>Cradle2Cradle Silver</u> certification, and thus qualify for 1 ID point   | 1 point  |
| Innovation in Design<br>ID Credit 1.2         | Innovation in design        | <u>Carbon sequestration</u> : the carbon in TimberSIL® Products is permanently bound, as a new carbon sink. TimberSIL® has the rare benefit of no long term return of CO <sub>2</sub> to the atmosphere, in contrast to petroleum-based and most other biological materials.   | 1 point  |
| Innovation in Design<br>ID Credit 1.3         | Innovation in design        | <u>Reduced use of pesticides</u> : TimberSIL® is resistant to termites, rot and decay, while remaining totally non-toxic, per USEPA ruling. It works by removing wood as a food source. This greatly reduces the need to use pesticides that bring poisons into building interiors.  | 1 point  |
| Innovation in Design<br>ID Credit 1.4         | Innovation in design        | Over its lifetime, one TimberSIL® product can <u>replace equivalent petroleum products</u> many times, without loss of properties, and without need for energy to reapply the glassy protection, and simultaneously <u>cuts lifecycle costs dramatically</u> .   | 1 point  |
|   | Innovation in design        | <u>Resistance to fire, storms, and other natural disasters</u> . The added strength, fire retardance, stronger fastener grip, helps structures last longer, and resist harsh and extreme circumstances.  |  |
| Innovation in Design<br>ID Credit 1.4         | Innovation in design        | <u>Reduced energy costs for raw materials</u> . The glass portion of TimberSIL® Glass Wood is produced in a new process that not only does not require energy, but actually produces excess energy that fuels homes and businesses. This new process replaces energy intensive molten glass producing processes using very large industrial furnaces.  | 1 point  |



w: [www.timbersilwood.com](http://www.timbersilwood.com); o: (703) 941-5171 f: (703) 941-5173