

Why **CEMSTONE**

MN Greenstar and CONCRETE



What is MN Greenstar - MN Greenstar is a residential certification building program for building more sustainable. Benefits include:

- More Energy Efficient Home
- Healthier Home
- Reduced maintenance costs (longer building life)
- Mortgage and home equity rate discounts
- Rebates on building materials and products
- Tax credits
- Preferred utility rates
- Preferred homeowner and health insurance rate

How does MN Greenstar Work -

MN Greenstar has two programs:

- Remodeling
- New construction

Each program has a prescriptive checklist that outlines the steps to gaining certification which has three levels; Certified, Silver and Gold. Each level is determined by the amount of points earned. The required points for each level depends upon the size of the home and number of bedrooms. The larger the home the more points are required to gain certification.

How do the points work – Since this is a prescriptive program, using concrete and concrete related materials will gain points, unlike LEED where concrete and concrete related products can only contribute. The following is a summary of points available when using concrete and concrete related materials:

Maximization of Pervious Surfaces

- % of walks, driveways, patios, etc.
 - 30% - 1 point
 - 50% - 3 points
 - 80% - 5 points

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ICF or T-Mass Use

- Foundation – 8 points
- Entire House – 6 points (in addition)

Other Considerations:

- Reusable Forms (T-Mass) – 1 point
- Low Toxicity Form Release – 1 point
- Increased R-Value of Foundation – 3 points*
- Insulated T-wall Sections (Int. to Ext.) – 1 point
- No 2 x 10 or Greater Headers – 2 points*
- Insulated Headers – 2 points*
- Interior Walls – 4 points
- R-Value of Weighted Wall – up to 5 points*
- Blower Door Test Results (required) – up to 8 points
- HERS Score (Energy Star Modeling) (required) – 10 to 60 points

*May not be allowed due to ICF or T-Mass construction

Recycling of Waste Concrete/Block & Brick

- % Diverted/recycled concrete/block & brick
 - 75% – 1 point for each
- Wash Out Location
 - Wash out trucks in subbase locations – 1 point

Cement Reduction

- % of fly ash in concrete (average)
 - 25% - 3 points
 - 40% - 5 points

Maximization of Hard Surfaces

- Sealed Concrete (80% of Floors) – 8 points
- Concrete Countertops – up to 6 points

Innovation Opportunities (5 points available)

- Minimized gypsum wall board
 - Exposed concrete in living spaces
 - T-Mass
- Increased fly ash use
- Recycled aggregates used for base and concrete

For more information on concrete and MN Greenstar please contact Cemstone at (651) 688-9292 or email us at jlee@cemstone.com.

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