# LEED POINT CONTRIBUTION

## LEED Credits

- **MRc3**
  **Material Reuse; Maintain existing walls, floors and roof.**

- **MRc4 (1–2 points)**
  **15% Post Consumer Recycled Content (by Weight).**

- **MRc5 (1–2 points)**
  **15% Regionally Sourced and Manufactured within 500 miles of Gardena, California.**

- **SSc7.2 (1 Point)**
  **Heat Island Effect-Roof; achieved through prescriptive design measures for installing a vegetated roof.**

- **IDC2 Credit (1 Point)**
  **Innovation Credit LEED 2.2 projects; Recycled Tire Rubber is an active ingredient to replace petroleum based products.**

**MRc3**
**MRc4**
**MRc5**
**SSc7.2**
**IDC2**

## Testing

**Green Moisture Barrier** is a recycled rubberized asphalt adhesive combined with a high performance polypropylene. It is classified as Type 2, HT-Ice Dam Underlayment.

**ASTM D1970**
The material was tested to comply with **ASTM D1970**, *Self-Aging Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.*

Thickness with reference to **ASTM D5147**, *Test Methods for Sampling and Testing Modified Bituminous Sheet Material.*

Maximum Load and Elongation at Break with reference to **ASTM D2523** *Standard Practice for Testing Load-Strain Properties of Roofing Membranes.*

Adhesion to plywood with reference to **ASTM D903**, *Standard Test Method for Peel or Stripping Strength of Adhesive Bonds.*

Thermal stability with reference to **ASTM D1204**, *Standard Test method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature.*

Low temperature flexibility was determined as per Section 8.6 of **ASTM D1970.**

Tear Resistance with reference to **ASTM D4073**, *Standard for Tensile-Tear Strength of Bituminous Roofing Membranes.*

Moisture vapor permeability with reference to **ASTM E96**, *Test Methods for Water Vapour Transmissions of Materials.*

Self Sealability (Head of Water Test) was determined as per **ASTM D1970.**

Funded by a CalRecycle grant

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