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.**

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