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R-50 Systems LLC Product LEED® Information

1. Sustainable Sites (SS credits)

- Heat Island Reduction (1 to 2 points)

Using R-50 Systems is required to be used with only high-reflective roof system or vegetative roof systems. R-50 provides roof systems which exceed current r-value requirements without renovating the existing structure to meet updated thermal requirements.

2. Energy and Atmosphere (EA credits)

- Optimize Energy Performance (1 point)

Higher r-values with smaller profiles increase levels of energy performance beyond the prerequisite standards to reduce environmental and economic harms associated with excessive energy use.

3. Materials and Resources (MR credits)

- Construction and Demolition Waste Management (1 to 2 points)

R-50 Systems insulation will divert 75% or greater waste from landfills whether by recovery, re-using or re-cycling.

4. Innovation (IN credits)

- R-50 Systems insulation is a relatively new insulation system for building envelopes. This insulation is approximately 6-9 times thinner than conventional insulation. Benefits associated with R-50 insulation include but not limited to:
 - The highest r-values in the industry per inch of thickness,
 - Thinness of materials requires less remediation to existing building; such as, raising units, raising counter flashings, raising copings; etc,
 - Less truck-loads of materials to accomplish the same insulation requirements,
 - Less materials diverted to landfills,
 - Re-use of material where conventional materials will need to be disposed at a local landfill. Less tearing off of materials at the end of the roofs' service life.