



## **LEED v4 BD+C Credit Applicability**

### **Directly Applicable Credits:**

#### **LEED v4 BD+C: Energy & Atmosphere: Renewable Energy Production: (possible 3 points)**

The use of Diamon-Fusion protective coating on PV modules can contribute to the Energy Performance and/or Renewable Energy Production credits under LEEDv4 or LEEDv4.1 by improving the kWh output of PV modules through a reduction in losses due to soiling.

Diamon-Fusion protective coating can significantly reduce the impacts from soiling on PV modules. Test data shows a negligible loss in output when soiling occurs and a complete recovery of performance after rinsing/rainfall events, compared to un-coated modules.

Energy modeling software doesn't allow for adjustment to PV output based on reduction of soiling but, PV output calculators do allow for this adjustment and could be used to demonstrate an improvement in PV output. This improved PV output could be used to replace the PV output (default), based on the default soiling conditions, in the energy modeling software.

Soiling conditions will vary by location and are heavily dependent on available rainfall. Third-party testing data can be provided upon request.

#### **LEED v4 BD+C: Building Product Disclosure & Optimization: Material Ingredients: (possible 1 point)**

Diamon-Fusion coating (Hand-Applied or Machine-Applied) each have a Health Product Declaration (HPD) disclosed at 1000 ppm in the HPD repository and qualifies for one (1) product under Option 1 of the MRc4 BPDO: Materials Ingredients credit under LEEDv4 and LEEDv4.1.

Diamon-Fusion Hand-Applied is comprised of a two-part coating each with their own distinct HPD.