

Photovoltaic Policy for Western Colloid Fluid Applied Reinforced Roof Systems

Western Colloid's Fluid Applied Reinforced Roof systems (F.A.R.R.) have a long and successful history of being used in conjunction with photovoltaic solar arrays. Though the purpose of our F.A.R.R. systems is primarily to extend the life of a building's roof system and protect the asset beneath, it can also provide an ideal substrate for rooftop PV systems providing certain best practices are followed. When considering the installation of a PV system over a Western Colloid roof the building owner should reach out to a Western Colloid representative to schedule an inspection.

General Recommendations For Solar Installation Over Western Colloid Systems.

- Whenever a PV array is planned to be installed over an existing Western Colloid roof system, an inspection should be scheduled with a Western Colloid representative before work begins to discuss details and confirm viability of the system to receive the PV.
- Whenever possible the PV system should be placed over a newly installed Western Colloid F.A.R.R. system that carries a corresponding warranty to the PV.
- The Western Colloid roof system should include a minimum of two polyester reinforcing plies, at least one of which should be in the acrylic top coat unless otherwise approved by a Western Colloid representative.
- Care should be taken to ensure the building structure can accommodate the additional weight of the PV and will not cause sagging of the roof deck leading to excessive ponding.
- The PV system should not impede rooftop drainage.
- Care should be taken to ensure the PV system does not impact the W.C. system's fire resistance, FM, UL or other codes, approvals or insurance ratings.
- All mounting systems and installation details used should be approved by a Western Colloid representative prior to installation.
- All points of contact of the PV and roof system, including all skids and blocks, should be protected with a polyester reinforced layer of #850 Seamless Walkway Coating or an approved buffer sheet.
- Western Colloid's #850 Seamless Walkway Coating should be installed around all combiner boxes and in any additional areas of increased foot traffic.
- On completion of work a final inspection should be scheduled with a Western Colloid representative to confirm the roof system warranty is intact.