



THE CASE FOR SOLAR

Solar Photovoltaic (PV) systems have become a very well established and reliable source of clean and reliable renewable energy. There are many considerations that are taken into account for any particular system to ensure that it is both safe and efficient. Until recently, Solar PV roofing systems have largely been overlooked, but it is in fact a very important consideration for true system optimization.

By partnering with solar energy experts, True Seal integrates our highly reflective PVC membranes with solar projects to make the solar arrays even more efficient. Since our white membrane is a 'cool roof' product, it dramatically reduces the ambient temperature of the surrounding solar panels. This is achieved through our industry leading 87% reflectivity and 88% emissivity values!

When solar panels heat up, they lose efficiency because heat increases electrical resistance in any electrical circuit. Cooler surroundings allow the panels to produce more kilowatt hours of energy, thus improving on efficiency. In this instance **White = Energy!**

Higher energy yield from solar PV means less energy required from non-renewable energy sources. In this instance **White = Green!**

Whether the installed solar system is part of a Government grant program, an off-grid installation or a net metering system, greater energy production means less hydro payments or offset electricity costs. True Seal's high membrane reflectivity also keeps the building much cooler than traditional heat absorbing roofing systems, meaning less reliance on air-conditioning. In this instance **White = Savings!**