

TECHNICAL ASSISTANCE REQUEST

1. Unique challenge and need - Testing and reliability confirmation realized with a roof-mounted barrier product.

Proposed assisting entity – TBD

We are seeking a American-Made member that can review, analyze and simulate the effectiveness of a roof mounted thermal and moisture barrier to accommodate solar panel mounts..

2. Unique challenge and need – Simulation of fire started on our barrier without continuing onto the roof or home structure.

Proposed assisting entities – Lawrence Berkeley National Laboratory, Berkeley CA
Members with expertise in theoretical modeling/ testing labs.

LBNL is has the capabilities to determine mechanical & thermal properties of the Solar Roof Shield with computer modeling capabilities. Expertise within the American-made network will be applied as appropriate to enhance the Solar Roof Shield team's expertise. Test labs will be engaged to perform thermal testing for fire-proofing verification.

3. Unique challenge and need – Verifying Solar Roof Shield response to water leak reduction in raining conditions. Need a test lab capable of generating simulated raining conditions on a roof mounted solar panel over the Solar Roof Shield.

Proposed assisting entity – TBD

We are seeking a American-Made network member with vast experience and adequate simulation software to verify performance during a raining weather conditions.

4. Unique challenge and need – UL2701 certification prior to commercialization.

Proposed assisting entity – INTERTEK laboratories and Underwriter Labs (UL)

Both INTERTEK and UL have facilities and programs to complete, certify to UL2701 standards for mounting & thermal barrier devices

5. Unique challenge and need – To create a documentation with technical drawings and qualification results for public utilitys, permit offices or any entity in the solar commissioning chain that has authority over residential solar installations.

Proposed assisting entity – Seeking an American-made network member with experience in solar commissioning and document packages used for permitting.