

InsulPatch®

Laminates for PV Electrical Insulating Applications

Photovoltaic Laminates

InsulPatch® is a multi-layered laminate designed to act as an electrical insulator and physical spacer in critical areas inside electronic devices. It is often used in a photovoltaic module where junction boxes are attached and in locations where ribbon wires come in close proximity to each other to prevent a short circuit within the module's encapsulated matrix.

InsulPatch® High Dielectric (HD) offers improved dielectric bonding, giving engineers flexibility and options for module designs. Also, the increased thickness offers greater partial discharge.

InsulPatch® Super High Dielectric (SHD) is the ultimate in dielectric bonding, offering engineers flexibility and options for module designs. In addition, the increased thickness offers greater partial discharge.

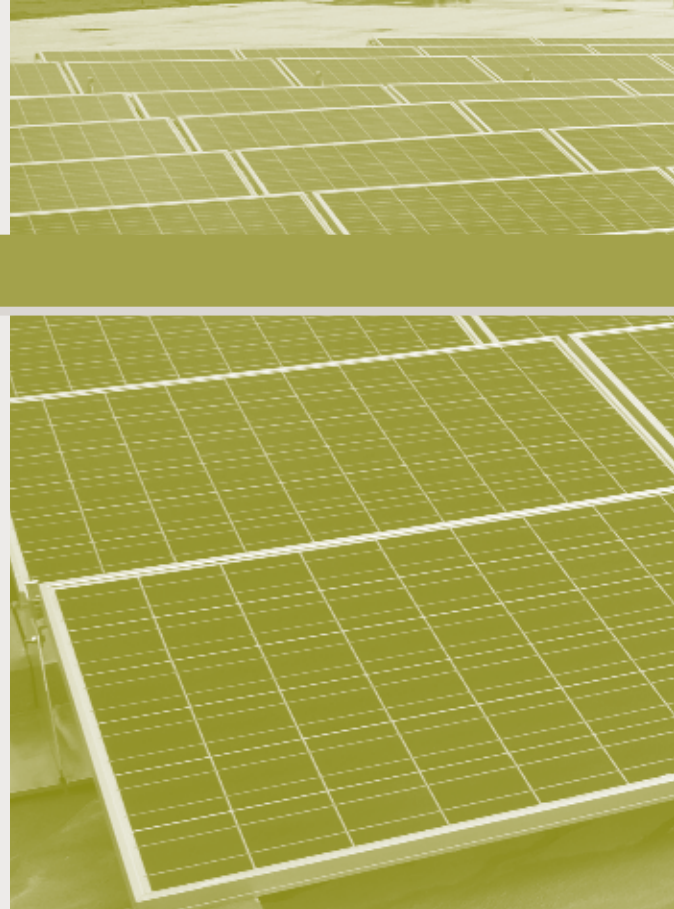
InsulPatch® is a multi-functional product; it can be implemented during the planning and/or construction phase of the solar module. It is also an ideal patch system if problems or unforeseen issues occur during development.

Dielectric Bond Technology

Madico has pioneered to create a more cost-effective and high performing backsheet construction we call Dielectric Bonding Technology (DBT) which eliminates the interior layer of either PVF or Fluoropolymer. Compared to the standard design, PVF/Polyester/PVF design, our innovative construction dramatically increases the laminate's bond strength, power output and insulation against electrical discharge.

Advantages

- Custom colors
- Proven durability
- Maximum bond strength to encapsulant
- Optimize vacuum lamination throughput
- Ideal patch system
- The ultimate in dielectric bonding
- High Dielectric performance



InsulPatch® Product Options:

- **InsulPatch®**
Standard product
- **InsulPatch HD®**
Increased Thickness for custom applications
- **InsulPatch SHD®**
Increased Thickness for custom applications

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