



LIGHTNING  
DIVERSION  
SYSTEMS

## Conformal Lightning Shields

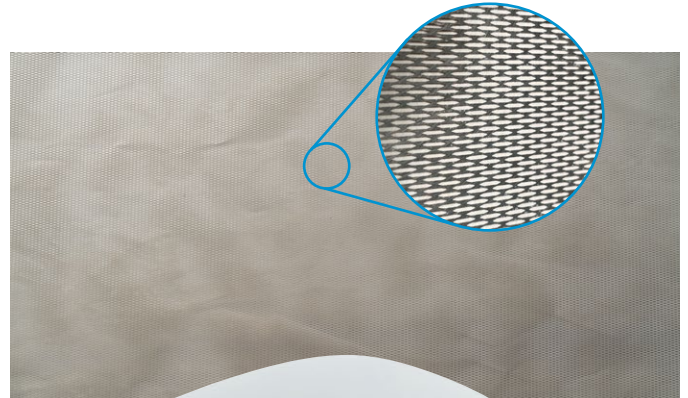
Lightning Diversion Systems has developed thin aluminum or copper conformal shields. The shields were developed for use as an exterior surface for composite laminates. For graphite epoxy laminates, copper shields are nickel plated to ensure a compatible barrier between the graphite and the aluminum or copper.

These shields offer protection to conductive composites from direct or indirect lightning effects. The shields are lightweight with a smooth finish and stretch to conform over detailed shapes, as opposed to many less-desirable methods currently available. End-use applications such as UAVs benefit from protection to composite laminate surfaces with complex curvatures.

**Dimensions:** We manufacture these shields in sheets of 24" x 26" panels.

**Coatings:** Thin nickel coating is offered to prevent corrosion.

**Materials:** Conformal Shields are offered in aluminum and copper materials, ranging in various thicknesses beginning at .001 inch thick.



For inquiries & orders, contact Lightning Diversion Systems,  
or go to [LightningDiversion.com](https://LightningDiversion.com)

P: 714.841.1080 E: [Sales@LightningDiversion.com](mailto:Sales@LightningDiversion.com)

© 2022 Lightning Diversion Systems. All Rights Reserved. | 2207-17  
Specifications and other data are based on information available at the time of printing and are subject to change without notification.

