

Somewhere over Texas,
lightning struck his plane.



The only fire he felt was in his belly (2 breakfast burritos).

We keep you safe, even at 35,000 feet.

Astrostr[®]ke
Astroseal Products Mfg. Corp.

- Ultra-Light Weight
- 3-D Conformability
- Maximum Conductivity
- Bond Ready

It is estimated that on average, each airplane in the U.S. commercial fleet is struck by lightning more than once each year. In fact, aircraft often trigger lightning when flying through a heavily charged region of a cloud.



Our processes and products are designed specifically to make the highest quality product for composite aerospace manufacturers.

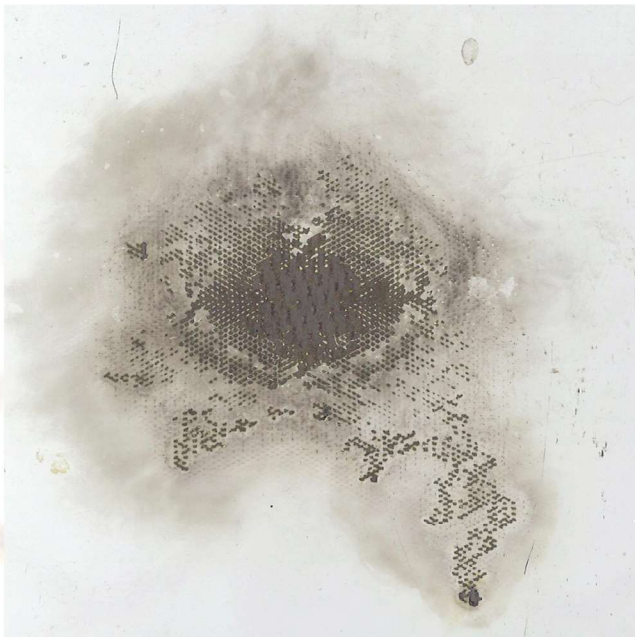
We don't simply protect the plane from lightning strikes; Astrostrike® protects the passengers, the crew, the engineers and the company who produced the plane.

In 1984, Astroseal Products pioneered the manufacturing of Astrostrike® Lightning Strike Protection (LSP). Astrostrike® was created to address the aerospace composite market's desire for a lighter LSP product, which is one of the layers in a composite aircraft.



Benefits

Astrostrike® has been tested for lightning protection effectiveness by major aircraft manufacturers, as well as by independent laboratories. In these tests, even the lightest weight copper Astrostrike® product has shown superior protection through Zone 1A tests.



Impact of lightning strike with Astrostrike

Astrostrike® can accept a 200,000 amp direct lightning attachment with no under screen fiber damage. This protection allows surface repair of the screen for Zone 1 (A & B), Zone 2 (A & B) applications and also for increased reliability in specialized Zone 3 requirements.



Impact of lightning strike without LSP

- Astrostrike® Lightning Strike Protection (LSP) is a non-woven metallic mesh used for lightning and shielding protection of composite aircraft and other structures.
- Astrostrike® provides both shielding and lightning protection on large areas of the fuselage, wings, empennage, stabilizers, engine nacelles, propellers, winglets and the rotor blades.
- Astrostrike® is produced from a solid foil and is perforated and processed to create outstanding formability and excellent adhesion to composite laminate structures.
- Since Astrostrike® begins as a solid foil, it is produced from nearly pure metals for maximum electrical conductivity.
- Astrostrike® is “bond ready” and requires no additional cost handling or cleaning.
- The high percent of open area and consistent thickness of Astrostrike® allows for total bleed through of adhesive resin, producing a smooth panel.
- Astrostrike® is supplied on continuous rolls.
- Astrostrike® is available with either CX (corrosion protection), or CXMC (corrosion protection plus micro cracking inhibitor) coating.

Coatings

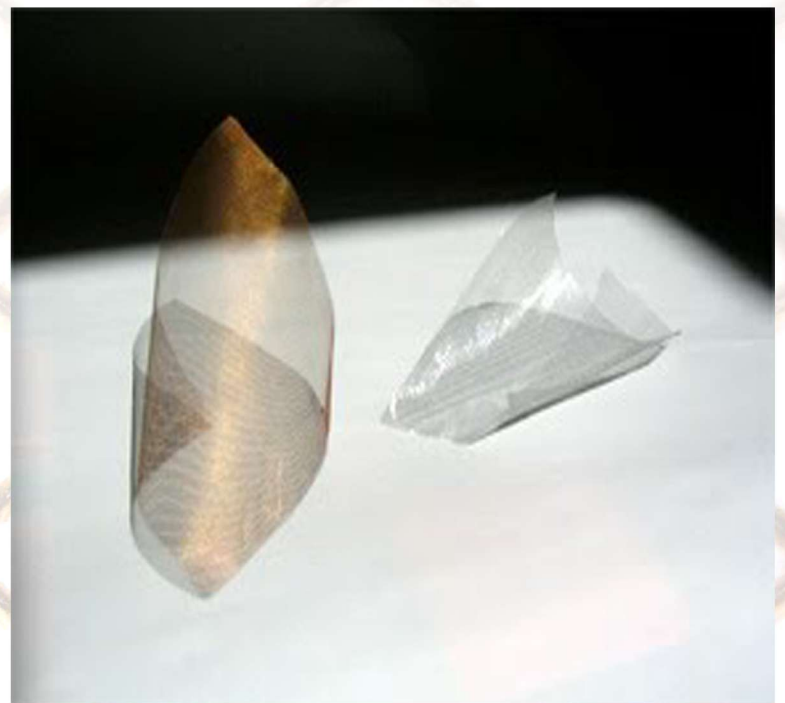


Our CX coating provides unsurpassed corrosion protection. Both our aluminum and copper screens have successfully passed 3,000 hour salt-spray corrosion tests for finished panels.

Our CXMC is a “proprietary” process and is designed specifically for the high thermal fatigue situations. This process has been confirmed to diminish micro-cracking problems when subjected to up to 3,000 thermal cycles.

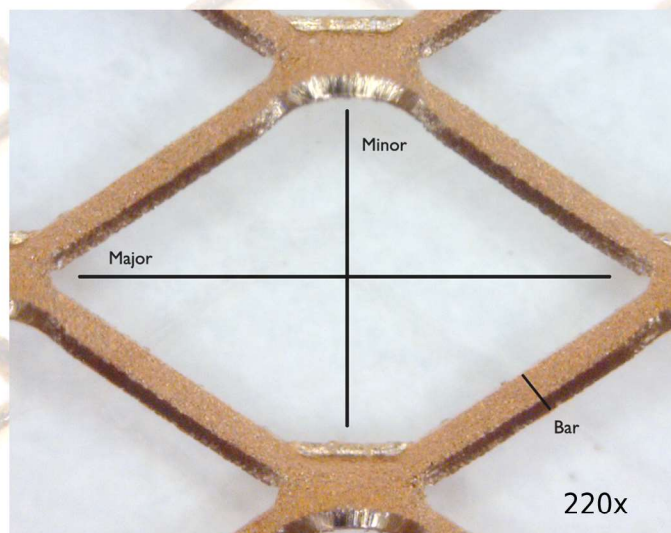
There are companies selling basic screens that tell you not to worry about corrosion, oxidation, tarnish or “bond surface.” We pioneered a product that ensures you do not have to worry. We put the effort in so the customer doesn’t have to compromise.

If you compare the costs for having cleaning and coating done by contractors, you will find that all of our CX and CXMC products have the most economical cost with the highest quality.



Product Line

PRODUCT CODE	RAW MATERIAL	LBS./SQ.FT.	GRAMS/SQ.MTR.	COATING	COATING	WIDTH
AL015CX36	Aluminum	0.015	73	Corrosion Resistant		36"
AL016CX31	Aluminum	0.016	78	Corrosion Resistant		31"
AL016CX36	Aluminum	0.016	78	Corrosion Resistant		36"
AL016CXMC36	Aluminum	0.016	78	Corrosion Resistant	Micro-cracking	36"
AL018CXMC36	Aluminum	0.018	88	Corrosion Resistant	Micro-cracking	36"
AL028CX24	Aluminum	0.028	136	Corrosion Resistant		24"
AL028CX36	Aluminum	0.028	136	Corrosion Resistant		36"
AL028CXMC36	Aluminum	0.028	136	Corrosion Resistant	Micro-cracking	36"
AL040BFBCX31	Aluminum	0.04	195	Corrosion Resistant		31"
AL060CX24	Aluminum	0.06	293	Corrosion Resistant		24"
AL060CX31	Aluminum	0.06	293	Corrosion Resistant		31"
AL060CXMC24	Aluminum	0.06	293	Corrosion Resistant	Micro-cracking	24"
AL060CXMC31	Aluminum	0.06	293	Corrosion Resistant	Micro-cracking	31"
AL075CX24	Aluminum	0.075	365	Corrosion Resistant		24"
AL075CX31	Aluminum	0.075	365	Corrosion Resistant		31"
AL075CXMC31	Aluminum	0.075	365	Corrosion Resistant	Micro-cracking	31"
CU015CX36	Copper	0.015	73	Corrosion Resistant		36"
CU015CXMC36	Copper	0.015	73	Corrosion Resistant	Micro-cracking	36"
CU022CX36	Copper	0.022	107	Corrosion Resistant		36"
CU022CXMC36	Copper	0.022	107	Corrosion Resistant	Micro-cracking	36"
CU029CX36	Copper	0.029	141	Corrosion Resistant		36"
CU029CXMC36	Copper	0.029	141	Corrosion Resistant	Micro-cracking	36"
CU040CX31	Copper	0.04	195	Corrosion Resistant		31"
CU040CX36	Copper	0.04	195	Corrosion Resistant		36"
CU040CXMC36	Copper	0.04	195	Corrosion Resistant	Micro-cracking	36"
CU086134CXMC31	Copper	0.086	420	Corrosion Resistant	Micro-cracking	36"
CU086134CXMC36	Copper	0.086	420	Corrosion Resistant	Micro-cracking	36"



Platforms

MRJ	F-35
737	COMANCHE
757	APACHE
A320	E-8 JOINT STARS
A321	B2
A330	CITATION X
A340	WG-13 LYNX
MD11	CFM56
MD80	ATR 42
MD87	GLASAIR III
MD90	ILYUSHIN IL-96M
MD EXPLORER	G.E.
G280	IAE V2500
C-17	ROLLS ROYCE
V-22	PRATT & WHITNEY
DC-9	GULFSTREAM IV G450
F-14	K-MAX
F-18	JETSTREAM 41
F-22	SENTINEL 1000

Contact

Composites have been designed to last thirty (30) years and Astroseal Products has gone to great efforts to ensure our LSP products will have the same longevity. While others may only care to make the least expensive product, Astroseal Products manufactures the highest repeatable quality at the most reasonable cost.



Astroseal Products Mfg Corp
85 Airport Industrial Park Road
PO Box 377
Chester, CT, 06412
info@astrosealproducts.com
Ph: 860-526-8605
Fx: 860-526-8609