

# PRODUCT SHEET



## APW100 Airframe Protection Series

The APW100 Airframe Protection Series is a water-based Nanocomposite Protective Layer (NPL) that provides superior protection for metallic airframe structures and components against corrosion damage. It can be applied as a topcoat onto primers, as a finishing coat over topcoats, and on conversion coated and bare metals.

The NPL features a semi-gloss clear-coat omniphobic surface that prevents corrosion and weathering damage. The NPL is resistant to fuels, hydraulic fluids and abrasion, providing durable protection for the substrate. AeroPel APW100 NPL is formulated for the aviation industry to benefit asset protection, from ground equipment to airframe and more. NPL is made in the USA.

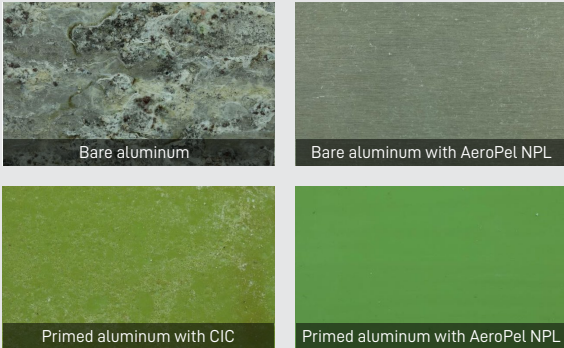


AeroPel APW100 NPL Application

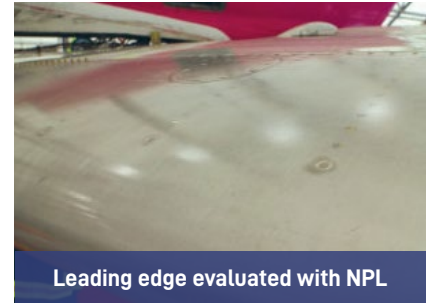
### KEY BENEFITS:

- Non-VOC, chrome-free
- One third the dry weight compared to Corrosion Inhibiting Compound (CIC)
- Fast cure time
- Prevents corrosion and UV-weathering

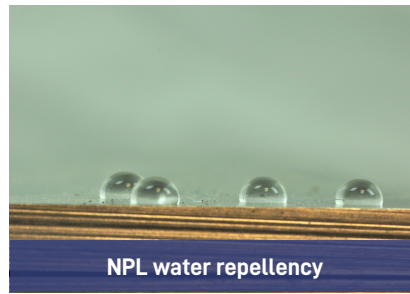
### Salt Spray Comparison at 1,500 Hours



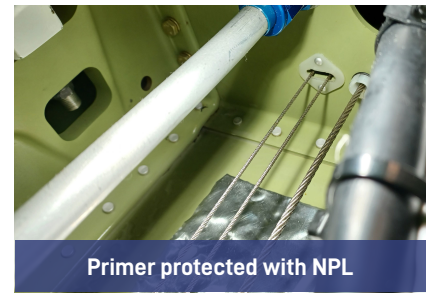
Wing evaluated with NPL



Leading edge evaluated with NPL



NPL water repellency



Primer protected with NPL

### CURRENTLY AN AFWERX SOLUTION PROVIDER

In January 2024, AeroPel NPL was selected as a successful solution provider by the AFWERX Challenge Commercial Solutions Opening (CSO) granting it eligibility to receive Department of Defense (DoD) direct awards.

AFWERX Challenge  
Commercial Solutions Opening  
(CSO)  
FA2280-23-S-C001

Expedient Basing Challenge  
Call FA2280-23-S-C001-002

CSO Selection Award  
Meets DFAR 212.70  
Enables direct award  
contracting through 18 Jan 2025

Contracting letter available  
upon request.



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