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## Latest Test Results Confirm Performance of NEI Corporation's Newly Optimized Anti-Ice Coating

Somerset, New Jersey (USA) – [NEI Corporation](#) announced today that it has enhanced the performance of its anti-ice coating, NANOMYTE® SuperAi, and confirmed its efficacy through rigorous testing under a variety of icing conditions. SuperAi is a nanocomposite coating that imparts anti-ice properties to the underlying substrate. As a consequence of the engineered properties of the anti-ice coating's formulation, it reduces ice buildup on surfaces, and provides a hard, dense, smooth finish.

Surfaces treated with [NANOMYTE® SuperAi](#) exhibit reduced ice adhesion, thereby reducing ice buildup. Precisely calibrated Ice Adhesion measurements showed that SuperAi has an Ice Adhesion Reduction Factor of greater than 5 (relative to a polished metal surface), indicating that NANOMYTE® SuperAi reduces the adhesion of ice by more than 80%, compared to smooth, bare metal and painted surfaces. The performance remains unaltered after repeated icing-deicing cycles, as well as after mechanical abrasion. Further, Icing Wind Tunnel experiments showed that SuperAi allows ice to be removed with minimal force, confirming its usefulness under practical use conditions.



NANOMYTE® SuperAi can be applied to a variety of substrates, including plastic, metal, glass, and ceramic. In some instances, a suitable primer may be required for long term durability of the anti-ice coating. SuperAi is a single component coating that is easily applied by spray or brush. The dry film thickness can be adjusted to be in the range of 5 – 25 microns (1/5th to 1 mil), and only one coat is required to cover the substrate. Current applications include occurrences where ice removal is a challenge (e.g., wind turbine blades, power transmission lines and cables, cellular phone towers, windshields and other glass surfaces in automobiles, aircraft wings, and unmanned aerial vehicles, UAVs). SuperAi also provides corrosion protection, which is an added benefit. The use of SuperAi enhances productivity for the user and provides rapid payback, as well as a good return on investment.

[Contact us](#) to obtain detailed test results on NANOMYTE® SuperAi.

**Additional Information:** [NANOMYTE® SuperAi Technical Data Sheet](#) | [Safety Data Sheet](#)

**About NEI Corporation:** NEI Corporation is an application-driven company that utilizes nanotechnology to develop and produce advanced materials. The company's core competencies are in synthesizing nanoscale materials and prototyping products that incorporate the advanced materials. NEI offers an array of Advanced Protective Coatings for metal, glass, composite, and polymer surfaces. NANOMYTE® Coating features include hydrophobicity, oleophobicity, self-healing, easy-to-clean, anti-corrosion, anti-fog and anti-ice.

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