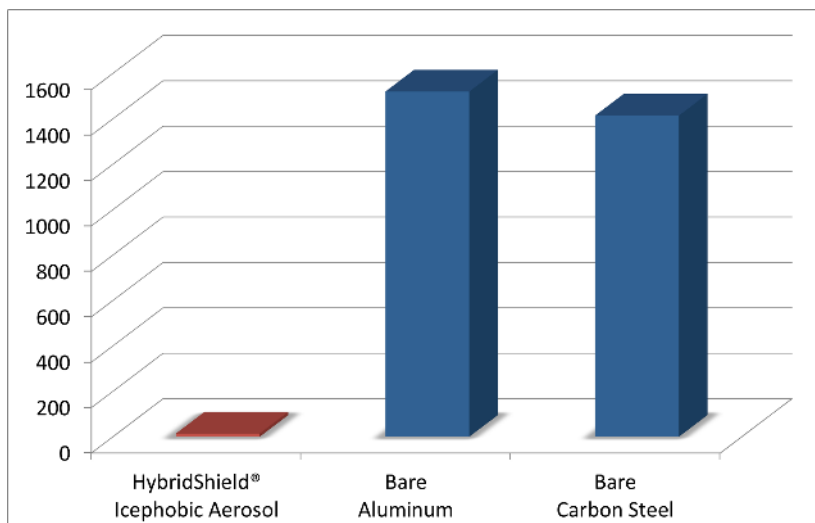


HybridShield® Icephobic Aerosol NSM-HS-ICEA

Product Description

HybridShield® Icephobic Aerosol offers excellent ice shedding performance, with the added benefits of environmental durability and corrosion protection in a one-part nanocomposite coating. Surfaces coated with HybridShield Icephobic Aerosol exhibit drastically reduced ice adhesion which enables fast, effortless ice removal. HybridShield Icephobic Aerosol promotes environmental versatility through exceptionally robust abrasion resistance. It is easily spray deposited within a broad spectrum of environments and is suitable for in-the-field application and repair of existing HybridShield Icephobic topcoats.



Low Ice Adhesion Data

Multiple independent government laboratories have validated the exceptional icephobic properties of HybridShield Icephobic Aerosol. This advanced topcoat technology dramatically reduces ice's adhesive strength to a surface, prevents excessive ice-buildup, and facilitates easy ice removal. Unlike other icephobic and hydrophobic coatings, HybridShield Icephobic Aerosol exhibits exceptional environmental durability and application versatility.

Environmental Durability

The extreme environmental durability HybridShield Icephobic Aerosol has been extensively demonstrated through the following standardized performance tests:

- ASTM D4060 Taber abrasion: Less than 50 mg weight loss after 1000 wear cycles with CS-17 wear wheels under a 1 kg load
- High velocity rain and sand erosion durability
- Passing ASTM B117 (2,000 hours), GM 9540P (1,200 cycles), and ASTM G44 corrosion protection validation to metallic substrates
- ASTM G154 and G155 accelerated weathering durability



NanoSonic, Inc.

PRODUCT INFORMATION

www.nanosonic.com

HyridShield® Icephobic Aerosol NSM-HS-ICEA

Physical Characteristics

- One part system: Low-VOC, moisture-cured coating
- Application Type: Aerosol
- Tack free: 30 min, fully cured within 12 hours above 70° F (21° C)
- Standard colors: transparent or colorless
- Finishes: high gloss
- Recommended coating thickness: 1 to 4 mils
- Recommended spray distance: 10-12 inches
- Recommended application: multiple light coats to desired thickness
- Coverage: approximately 50 sq ft / can

Deposition

HybridShield Icephobic Aerosol may readily be sprayed within the most demanding environments, and offers excellent adhesion to a variety of surfaces including, but not limited to: metals, concrete, certain preexisting topcoats, and glass.

Surface Preparation

HybridShield Icephobic Aerosol should be deposited on clean and dry surfaces and is appropriate for use with or without a surface primer. Adhesion increases with substrate abrasion.

Product Information

For additional product information, please contact a NanoSonic sales representative:

Phone: 540.626.6266

E-mail: sales@nanosonic.com