



SUPER HYDROPHOBIC COATING [SHC] PRODUCT DATA SHEET

OVERVIEW

A super hydrophobic coating formulated to repel rain, snow, and ice. Packaged conveniently in an aerosol can, this easy-to-apply single-step spray dispenses solution that forms a film to repel the most harsh weather conditions. Through the modification of chemical and physical surface properties, this formula is able to achieve contact angles over 160 degrees. SHC is primarily designed for application to satellite dishes and other outdoor communications fixtures to mitigate signal attenuation caused by natural elements. However, it can be used for a variety of applications that can benefit from its unique ability to repel rain, sleet, snow and greatly reduce ice build up.

USES

- ▶ Radomes (Greatly reduces signal attenuation on radomes for consumer, commercial, and industrial applications)
- ▶ Satellite dishes
- ▶ Radars
- ▶ Antenna Arrays
- ▶ Windmills
- ▶ Outer airplanes parts: nosecone, wing, rutters, horizontal stabilizers

FEATURES

- ▶ Super Hydrophobic (contact angle greater than 160 degrees)
- ▶ Oleophobic
- ▶ Single-step Application
- ▶ Spray and dries within minutes
- ▶ Adheres to a variety of substrates including plastic, metal, and painted surfaces
- ▶ White matte finish
- ▶ Intended for use on surfaces that will be left untouched and not exposed to abrasion

APPLICATION AND STORAGE

Surface Preparation: All contaminants must be removed from the substrates including wax, grease, dirt, and polishes. Surface needs to be completely dry before application. Surface temperature should be between 45°F and 95°F (7°C and 35°C) during application.

Application: Shake can vigorously for 30 seconds. Hold aerosol vertically about 10 inches (25 centimeters) from the surface. Press button all the way down to release coating solution. Move across surface steadily ensuring even coverage half overlapping each spray. Shake can every 15 seconds to keep a uniform coating application. For best results, do not touch the coating after application, even after the recommended cure time as it can be easily abraded or removed by scraping.

Coverage: One can covers about 20ft² (2m²) or 4 averaged-sized satellite dishes.

Storage: After use, hold can upside down and spray until only clear gas is released. If nozzle becomes clogged, wear eye protection and clean off the button with a lacquer thinner. DO NOT stick pin in spray button opening. 1-year shelf life from manufacturing date if stored under recommended conditions.

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