

1. PRODUCT DESCRIPTION

ECS 5003 is a VOC exempt, environmentally friendly solvent based hydrophobic coatings specifically formulated for maximum performance on greenhouses and solar panels. ECS 5003 has excellent adhesion, UV resistance and durability. ECS 5003 creates a micro-thin, super-slick hydrophobic surface that prevents the adhesion of ice, dirt, debris, mold, snow, etc. from treated surfaces. This creates a self-cleaning surface that increases performance while minimizing ongoing maintenance. ECS 5003 has been specifically formulated for use on greenhouses and solar panels. In addition to its self-cleaning properties, ECS 5003 increases the amount of solar energy that passes through glass and clear surfaces.

2. SURFACE PREPARATION

- Intended surface should be clean and free from oils, dirt, and any other previous contaminants.

3. APPLICATION

- As with any new material, always test application and finished properties on a low value test article or panel before working on valuable surfaces.
- Apply with a dampened mohair roller (lock the roller in place thereby allowing the applicator to lightly drag the roller over the surface) or lint free cloth squeegee.
- Use a linear motion to apply being sure to slightly overlap with the previously coated area. Target film thickness is 3-5 microns once dried. **Thicker is not better.**
- Application should be started at a corner or edge and continued until there is complete coverage.

4. DRYING & CURING TIMES

Drying Time	Dry to the touch in approximately 25-30 minutes at ambient temperatures. Warmer airflow will accelerate dry time.
Curing Time	Cured properties are obtained in approximately 12-24 hours after application at 79°F/28°C. Warmer temperatures will result in a faster cure. Normally, it will take at least 5 days to become totally crosslinked at ambient temperatures. Exposure to direct sunlight or a warmer airflow will accelerate curing.

5. COVERAGE RATE

- Approximately 2,170 ft²/gallon (53 m²/liter) at dry film thickness of 3 microns.

6. STORAGE STABILITY & SHELF LIFE

The shelf life is one year when stored in the original, unopened container. Store containers in a well-ventilated and covered area away from extreme heat and moisture. Contact your eCoat representative if you have any questions about the products or its uses

7. SAFETY

Refer to the Safety Data Sheet for this product prior to use.

