

ECOAT SOLUTIONS

PRODUCT INFORMATION

ECS 1300-1303

ULTRAHYDROPHOBIC THERMAL CONDUCTING COATING

ECS 1300 Thermal Conducting Series offers unparalleled protection of electronic components from heat, moisture, and other contaminants. The ECS 1300 Series has been specifically formulated for use on electronics. All ECS 1300 Series coatings are fluoropolymer free. The coatings are easy to apply and offer best in class moisture protection. The ECS 1300 Thermal Conducting Series have been specifically designed to quickly and efficiently conduct heat making them the perfect coating for systems requiring thermal energy to be transmitted away from vulnerable components. Available in clear, semi-clear and black

Key Performance Properties

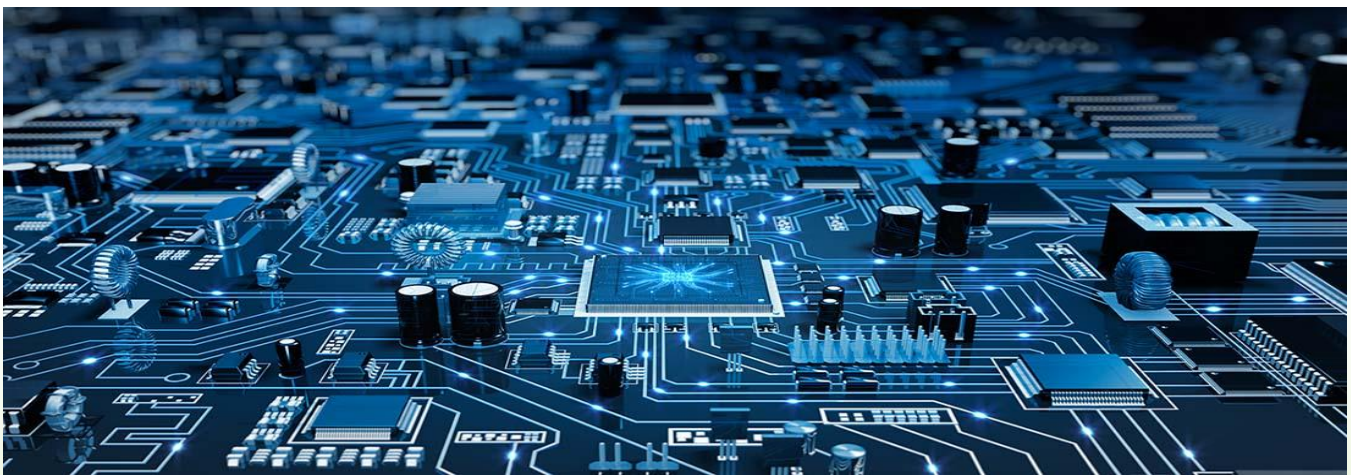
- Thermal management via thermal transfer.
- Electrically non-conductive.
- Highly hydrophobic.
- Extreme anti-corrosion.
- Excellent adhesion.
- Ultra-thin film thickness (2 – 10 microns)
- One component coatings.
- Applied via spray, wipe, or dipping.
- Quick drying with ambient air cure (accelerated heated curing possible).
- Single coat required for vast majority of applications.
- No odor or fumes when heated.
- Inert material once cured.
- Environmentally friendly – contains no fluorocarbons.
- RoHS, REACH and WEEE compliant.

Common Applications

- PCBAs / electronic circuit boards
- Consumer Electronics
- Wearables
- Optics
- Micro-motors
- Connectors
- Sensors

Available Products

- ECS 1300 – (CLEAR – 2-3 microns)
- ECS 1301 – (CLEAR – 5 microns)
- ECS 1302 – (CLEAR – 8 microns)
- ECS 1303 – (BLACK – 10 microns)



ECOAT LLC – 12055 41ST AVENUE NORTH # 218, PLYMOUTH, MINNESOTA 55441
INFO@ECO-COATSOLUTIONS.COM – 612.314.3999 – WWW.ECO-COATSOLUTIONS.COM

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