

ECOAT SOLUTIONS

PRODUCT INFORMATION

ECS 1000

ANTI-CORROSION ULTRAHYDROPHOBIC HEAT TRANSFER COATING

ECS 1000 Heat Transfer Coating is a premium thermal transfer coating designed specifically for the automotive industry. It has an extremely high thermal conductivity that acts to quickly and efficiently transfer heat energy away from the source. ECS 1000 is also extremely durable and has excellent adhesion to almost any metal or polymer substrate. It protects coated components from moisture, corrosion, and most chemicals. All ECS 1000 Series coatings are fluoropolymer free. The coatings are easy to apply and offer best in class moisture and corrosion protection. Available in 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)
Available in clear, semi-clear and black.
- 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

- Air Conditioning Condensers
- Brake Calipers & Carriers
- Brake Drums
- Cylinder Heads
- Differentials
- Engine Blocks
- Heat Exchangers
- Inter-Coolers
- Lighting Equipment
- Oil Coolers
- Radiators
- Rear End Housings
- Transmission Cases
- Transmission Coolers
- Transmission Housing



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