

# ECOAT SOLUTIONS

## PRODUCT INFORMATION

### **ECS 4410**

#### **HIGH HEAT ANTI-CORROSION THERMAL INSULATING COATING**

ECS 4410 High Heat Thermal Insulating Coating is a high performance protective coating formulated to reduce radiated heat. ECS 4410 is extremely durable and provides best in class thermal protection at temperatures of up to 1600°F (871°C). ECS 4410 may be applied to almost any metal, composite, or semi-rigid plastic substrate. It is an easy to apply one-component formulation. ECS 4410 is solvent-based, VOC exempt, and environmentally friendly. It provides excellent corrosion resistance. ECS 4410 is designed for use on automotive components such as engine headers, engine manifolds, exhaust pipes, heat shields, exhaust mufflers, and catalytic converters.

#### **Key Performance Properties**

- High performance single component coating.
- Extreme adhesion. Forms covalent bond to the substrate giving it an intrinsic bond to surfaces.
- Bonds to all metals, composites, semi-rigid plastics, and many other substrate types.
- Excellent thermal protection.
- Unparalleled durability. Excellent chemical and abrasion resistance.
- Excellent anti-corrosion performance.
- Extremely high operating temperature.
- Thin application  
(0.4 to 1.0 mil / 10–25 micron dry film thickness).
- Easy to apply. Curable by ambient air (accelerated oven curing possible).
- RoHS and REACH compliant.

#### **Common Applications**

- Engine headers
- Engine manifolds
- Exhaust pipes
- Heat shields
- Exhaust mufflers
- Catalytic converters
- Aircraft engine mounts



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