

ECOAT SOLUTIONS

PRODUCT INFORMATION

ECS 4400

EXTREME HEAT ANTI-CORROSION NANO-CERAMIC THERMAL INSULATION COATING

ECS 4400 Extreme Heat Thermal Insulating Coating is specifically formulated to create a thermal barrier for extreme high temperature applications. ECS 4400 is effective up to temperatures of 12000F (6480C). Coating may be applied ultra-thin (3-6 microns) and has excellent adhesion to a wide range of substrates. It is an easy to apply single component coating with a quick drying time. ECS 4400 may be used as a stand-alone thermal protection coating or as a topcoat on ECS 4410 Extreme Heat Temperature Thermal Insulating Coating. Multiple layers of ECS 4400 coating may be applied until the overall desired insulation performance is achieved

Key Performance Properties

- Excellent insulation/thermal barrier.
- Excellent adhesion to almost any surface.
- Creates an intrinsic covalent bond with most substrates.
- Easy to topcoat.
- Remains flexible.
- Smooth, semi-transparent finish.
- Extremely high operating temperature.
- Thin application.
- Excellent coverage rate.
- One component coating that is easily applied by brush or HVLP sprayer.
- Ambient cure, short dry time.
- Environmentally friendly. VOC exempt.
- RoHS and REACH compliant.

Common Applications

- Build up thermal barrier for high temperature applications.
- Top coat for ECS 4410 High Temperature Insulation Coating.



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