

## Technical Data Sheet

### HS-1450 – Extreme Thermal Insulating Coating

HS-1450 coating is a VOC compliant, non-toxic elastomeric material that once cured is very resistant thermal passage through the coating material, offering a high level of protection to Substrate materials or structures.

HS-1450 is also a fire resistant material;

- That when exposed to direct flame has low to no smoke properties
- Does not create toxic fumes and is a self-extinguishing material.

HS-1450 is also UV resistant and creates a water resistant barrier to help better protect the substrate structure.

The HS-1450 material has excellent adhesion properties to most materials, such as metal and metal alloys, composite surfaces, wood and most plastics, etc.

HS-1450 has a durable smooth finished surface that resists; abrasion and cracking, chemical attack from gas, oils and most other chemistries.

Once the HS-1450 coating is fully cured, it may be top coated for visual aesthetics or to comply with military or other specifications.

#### Technical properties:

Color _____	beige
Odor _____	mild / no odor once cured
Density _____	1350 kg/m <sup>3</sup>
Percent of Solids _____	approx. 78%
Viscosity _____	9,000 cps (average)
Flash point _____	n/a – not flammable
Flame/Temp resistance _____	Formulated to withstand 2400F+ and direct flame exposure
Noise dampening _____	excellent
Adhesion _____	excellent
Dry to the touch (15-20 mil) ___	30- 45 minutes at Room Temp.
Cure time (15-20 mil) _____	24 hrs at room temp*

\*with free flowing air over the surface

Exposing the coated substrate to a warm, (90-100F), airflow over the surface, will help decrease the cure time.

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The manufacturer is not responsible for the use and application of this material. At the time of this publication all information contained within was determined to be valid and true. It is up to the end user determine the suitability of this product for their own application. No warranty is written or implied regarding application and use of this material

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