

AT 4440 - EPOXY INSULATION COATING

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT-4440 Epoxy Ceramic Coating is a unique high performance coating that offers best in class insulation, anti-corrosion and moisture protection performance. AT-4440 is effective in wide operating temperatures (-92°F to 300°F) without losing flexibility or cracking. AT-4440 has excellent sound attenuation. AT-4440 creates a continuous waterproof film barrier. Applied properly, AT-4440 protects against damage from standing water and can remain under water permanently with no harm to the coating. AT-4440 adheres to practically all surfaces with remarkable flexibility. The coating is easy to apply in a broad range of environments. Proudly manufactured in the USA.

Technical Data

Color	White
Salt Fog Test (ASTM B117)	Passed 5 Hour
Hardness (ASTM D-2240)	85 Shore Durometer
Fire Rating (ASTM E 108-91A UBC 32-7)	Class A Fire Rated
Tensile Strength (ASTM D-638)	1393 psi
Water Vapor Transmission (ASTM E-96)	0.7 perms
Accelerated Weathering Test (ASTM G-53 500 Hour)	"Bent double with no cracking, remained highly flexible"
Cryogenic Conditions (ASTM 1640, D-92, D-1644A, D-2196, D-696, D-570, C-836, D-1652, D-1259)	"Flexibility was retained in sub-zero conditions down to -92°F"
Reflectance	0.87 Initial / 0.79 Aged (3yrs)
Emittance	0.87 Initial / 0.98 Aged (3yrs)
SRI	110 Initial / 99 Aged (3yrs)

Pipeline Application



Key Performance Properties

- Excellent thermal insulation performance.
- Excellent SRI values.
- Wide operating temperature range (-92°F/-69°C to 300°F/150°C) without losing flexibility/cracking.
- Excellent sound attenuation.
- Class A Fire Rating (ASTM E108-91A UBC32-7).
- Coating creates a continuous waterproof film barrier. Applied properly, AT-4440 protects against damage from standing water and can remain under water permanently with no harm to the coating.
- High UV resistance.
- Anti-corrosion protection.
- Highly durable. Withstands 2.5-inch hail at 140 mph.
- Easy to apply in a broad range of environments. Coating may be applied directly over rust and offers unmatched protection against heat and cold extremes, mildew, alkali, UV, oils and grease. Can be applied to a dry or wet surface making rain a non-issue when it comes to application time. Because it is "wetter than water", AT-4440 can even be applied under salt water.
- Excellent adhesion to almost any surface.
- No top-coat necessary.
- Available in other pigments (note that SRI will be reduced for non-white colors).
- Contains no zinc, lead or chromates.
- Easy application with brush, roller or sprayer.

Common Applications

- Industrial applications
- O&G pipelines
- Buildings (exterior and roof)