

AT 4435 - ALPHATEK INDUSTRIAL INSULATION COATING

TECHNICAL DATA SHEET

AT 4435 - AlphaTek Industrial Insulation Coating is a single-component, water-based, fire-rated siloxane-acrylic engineered elastomeric coating. AT 4435 provides excellent insulation protection and is a very effective weather barrier for a wide variety of industrial applications. It provides excellent UV protection. It exhibits superior adhesion to many substrates and has a high hide capability to create an aesthetically pleasing appearance. The coating is designed to dry faster than most acrylic coatings. AT 4435 combines reflective **and** thermal insulation properties. AT 4435 provides highly efficient insulation performance over multiple years thereby reducing maintenance and total lifecycle costs while delivering maximum ROI in energy savings.

Proudly manufactured in the USA.

Technical Data

Color	White
Viscosity	17000 – 21000 cps
Percent of Solids (%)	53% by Volume / 65% by Weight
V.O.C	26.4 g/L
Elongation	325% initial / 225% aged
Tensile Strength	257 psi initial / 420 psi aged
Flexibility (low temperature)	Passed @ -15°F (-26°C)
Permeance	7.4 Perms
Pounds/Gallon	11.6 lbs/gallon
Water Swell	4.3%
Time to Re-Coat	8 to 24 hours
Reflectance	0.87 Initial / 0.79 Aged (3yrs)
Emittance	0.87 Initial / 0.98 Aged (3yrs)
SRI	110 Initial / 99 Aged (3yrs)

Common Applications

- Wide variety of industrial applications including:
 - Storage tanks
 - Pipes
 - Commercial buildings
 - Processing plants
 - Factories

Key Performance Properties

- High performance single component coating.
- Excellent thermal protection.
- Class A Fire Rated (UL790/ASTM E-108-07a).
- Long lasting UV protection.
- May be applied to a wide variety of substrates.
- Easy to apply by brush, roller or airless sprayer.
- High hide capability for aesthetically pleasing appearance.
- Cures faster than most acrylic coatings.
- Custom colors available.
- RoHS and REACH compliant.

Industrial Application

