

# AT 4430 - ALPHATEK ROOF COATING

## NANO-CERAMIC COATING

## TECHNICAL DATA SHEET

AT 4430 - AlphaTek Roofing Coating is a single-component, water-based, fire-rated siloxane-acrylic engineered elastomeric coating. AT 4430 provides excellent insulation protection and is a very effective weather barrier for many types of insulation and roofing materials. 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. Unlike most cool roofing solutions, AT 4430 combines reflective AND thermal insulation properties. AT 4430 therefore 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

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

### 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 roofing surfaces including polyurethane foam insulation, metal buildings, built up roof (BUR) membranes, single-ply membranes, concrete, board stock roof insulation, and properly prepared plywood.
- Easy to apply by brush, roller or airless sprayer.
- Cures faster than most acrylic coatings.
- Custom colors available.
- RoHS and REACH compliant.

### Common Applications

- Cool roofing solution for a wide variety of common roof surfaces (polyurethane foam insulation, metal buildings, built up roof (BUR) membranes, single-ply membranes, concrete, board stock roof insulation, and properly prepared plywood).
- General exterior coating.

### Roof Application

