

ECOAT SOLUTIONS

PRODUCT DATA SHEET

ECOAT ACOUSTIGEL (ECS 4436)

AEROGEL-INFUSED SOUND & THERMAL INSULATION COATING

AcoustiGel insulating coating is a single-component, water-based, fire-rated silo-acrylic elastomeric coating infused with aerogel for interior, exterior, and cool roofing applications. AcoustiGel provides excellent thermal insulation for both indoor and outdoor applications, with effective acoustic insulation performance of up to 68% sound reduction. AcoustiGel improves the heating and cooling efficiency of interior spaces by creating a thermal break, reducing thermal loss between rooms.

AcoustiGel is a breathable and highly effective weather barrier coating for many types of outdoor applications. It exhibits superior adhesion to most substrates with a high hide capability for an aesthetically pleasing appearance.

Key Performance Properties

- High performance single component coating
- Excellent thermal protection
- Class A Fire Rated (UL790/ASTM E-108-07a)
- Excellent sound attenuation. Independent tests demonstrate 68% sound reduction.
- Long lasting UV protection
- May be applied to a wide variety of substrates, including roofing surfaces
- High hide capability for aesthetically pleasing appearance
- Easy to apply by brush, roller, or airless sprayer
- Cures faster than most acrylic coatings
- Custom colors available
- RoHS and REACH compliant

Common Applications

- Ceilings, music rooms, studios, garages, laundry rooms, communal stairwells, exposed attics trusses and roof sheathing & interior or exterior uninsulated walls.
- Cool roofing solution for a wide variety of roofing surfaces.
- General insulating coating for shipping containers, storage tanks, O&G pipes, cryo & steam pipes, commercial buildings, metal buildings, processing plants, factories & warehouses

Technical Data

Color	White (can be tinted)
Viscosity	17000 – 21000 cps
Percent 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 temp)	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 – 3 years)
Emittance	0.87 (initial) 0.98 (aged – 3 years)
SRI Value	110 (initial) 99 (aged – 3 years)
Suggested Thickness	10 – 20 mils
Shelf Life	12 months



ECOAT LLC – 12055 41ST AVENUE NORTH # 218, PLYMOUTH, MINNESOTA 55441
 INFO@ECO-COATSOLUTIONS.COM – 612.314.3999 – WWW.ECO-COATSOLUTIONS.COM

THE INFORMATION CONTAINED HEREIN IS BELIEVED BY ECOAT LLC TO BE ACCURATE AND IS OFFERED SOLELY FOR THE CUSTOMER'S CONSIDERATION, INVESTIGATION, AND VERIFICATION. DETERMINATION OF SUITABILITY FOR USE IS THE RESPONSIBILITY OF THE USER. ECOAT LLC'S LIMITATIONS, LIMITED WARRANTY, & DISCLAIMER ALONG WITH STANDARD TERMS & CONDITIONS APPLY. SEE WWW.ECO-COATSOLUTIONS.COM FOR MORE INFO. LIMITATIONS: STANDARD VARIATIONS OF MECHANICAL PROPERTIES AND HYDRAULIC PROPERTIES ARE NORMAL. ECOAT PRODUCTS ARE RESISTANT TO CHEMICALS IN NORMAL ENVIRONMENTS, HOWEVER SOME REAGENTS MAY AFFECT THE PERFORMANCE OF THESE PRODUCTS. AN ECOAT REPRESENTATIVE SHOULD BE CONTACTED FOR FURTHER INFORMATION TO DETERMINE THE SUITABILITY OF USE OF THESE PRODUCTS IN UNUSUAL ENVIRONMENTS. UNLESS OTHERWISE STATED, ECOAT PRODUCTS SHOULD HAVE LIMITED EXPOSURE TO ARTIFICIAL UV AND SUNLIGHT. ECOAT'S PRODUCTS SHOULD BE PROTECTED IMMEDIATELY, AND IF APPLICABLE, COVERED FOR 48 HOURS AFTER INSTALLATION TO PROTECT FROM MOISTURE. DISCLAIMERS: ALL INFORMATION, DRAWINGS AND SPECIFICATIONS ARE BASED ON THE LATEST PUBLISHED INFORMATION AT THE TIME OF PRINTING. ECOAT LLC RESERVES THE RIGHT TO MAKE CHANGES DUE TO MANUFACTURING IMPROVEMENTS AND ENGINEERING AT ANY TIME. ALL PHYSICAL PROPERTIES ARE MINIMUM AVERAGE VALUES (MAV).