

IsoCoat Roof Guard AL

IsoCoat Roof Guard AL is a sprayable, VOC-free two-component, pure polyurea elastomeric membrane. Due to its aluminized make up, this coating is an ideal addition to a roofing system providing reflectivity and UV protection. Its low viscosity at operational temperatures makes it a product ideal for both in-plant and field applications. Unique properties of this coating are its rapid cure time and its insensitivity to moisture.

APPLICATIONS

- Bridges
- Exterior pipe coating: DTM or over foam
- Exterior tank coating: DTM or over foam
- Industrial plants
- Mechanical rooms
- Pipe coatings
- Pulp and paper mills
- Roof Coating

PRODUCT ADVANTAGES

- Application at -20° F to 300° F
- Can be built up to any thickness in one application
- Fast cure; can be handled/walked on in one minute
- Near Instant Gel Time
- No VOC's
- Resistant to many chemicals
- Resistant to thermal shock
- Seamless and flexible
- USDA Approved for Incidental Food Contact
- UV resistance

*Values given are not intended to be used in specific preparation

Component Properties

Color - ISO	colorless - pale yellow
Color - POL	silver
Specific Gravity - 74°F, ISO	1.11 - 1.15
Specific Gravity - 74°F, POL	1.0 - 1.05
Viscosity - ASTM D-2196 - 74°F, ISO	200 - 300 cps
Viscosity - ASTM D-2196 - 74°F, POL	400 - 700 cps

Reactivity Profile

Ratio by Volume - ISO:POL	1 - 1
Gel Time	7 Seconds
Tack Free Time	10 Seconds
Full Cure	24 Hours

Typical Physical Properties

Flash Point	200 °F
Mandrel Bend - ASTM D522 - 1/4" Mandrel-20 C, 30-50mil Free Film	pass
Mandrel Bend - ASTM D522 - Conical Bend 1/32" Steel panel	pass
Hardness - ASTM D2240 - Shore D	50 Shore D
Tear Strength - ASTM D624, Die C	475 pli
Tensile Strength - ASTM D412	3000 psi
Elongation - ASTM D412	800 %

RECOMMENDED HANDLING INSTRUCTIONS

Always mix/roll POL side prior to use to ensure a homogenous product.

IsoCoat Roof Guard AL is a very fast set polymeric material designed to be spray applied from high pressure plural component heated equipment. It cannot be hand mixed for application. Typical equipment for application includes: Graco E-30, E-XP, H-XP, H-20/35, H-40 or equivalent sprayed through a Fusion MP or AP, GX-7, Probler P-2 or equivalent gun. Minimum recommended settings are 1800 psi for pressure and 145° F for all temperatures.

When finishing application of coating the next day:

Lightly abrade the sprayed surface to remove gloss. Remove dust and clean surface with a solvent such as acetone or isopropyl alcohol. Allow solvent to dry for 30 minutes before spraying the coating. Do not spray past the area that has been prepared.

Please contact Isotec® for any other machine or application questions.

STORAGE

Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO₂ gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

SAFETY

- Refer to the product SDS for all relevant safety information.
- Use only in well-ventilated areas.
- Wear chemically resistant rubber gloves, safety glasses, and an apron.
- Avoid prolonged or repeated contact with skin.
- In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
- In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed or comes into contact with eyes, seek medical attention immediately.

Date Modified 7/27/2023

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- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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