

IsoCoat Roof Guard AL

IsoCoat Roof Guard AL is a sprayable, VOC-free two-component, pure polyurea elastomeric membrane. 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. This inherently sound dampening coating can be applied to be non-slippery.

APPLICATIONS

- Aquariums
- Bridges
- Cold storage areas
- Containment areas
- Cooling tower liners
- Dairy barn walls and floors
- Dry walls
- Earthen containment
- Fertilizer plants
- Floating docks
- Floor and wall systems
- Industrial plants
- Lift Station waterproofing
- Manhole vaults
- Mechanical rooms
- Pipe coatings
- Pulp and paper mills
- Street lights
- Tank Linings
- Waste water
- Wet walls
- Zoo enclosures

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

*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 20 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. 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.

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