

## IsoCoat HRN 7006 FR

IsoCoat HRN 7006 FR is a 100% solids, state-of-the-art, VOC-free, plural-component, polyurea hybrid elastomeric membrane. This seamless system exhibits extraordinary performance characteristics by creating a waterproof film that protects the surface beneath the coating. In addition to the phenomenal physical characteristics, IsoCoat HRN 7006 FR is an ASTM E84 Class 1 rated coating with great resistance to flame spread and a low smoke index. It can withstand extreme mechanical loads, impacts and high abrasion and has excellent adhesion properties to both concrete and metal. This inherently sound dampening coating can be applied to be non-slippery. This membrane achieves an extremely tough, flexible, chemical and abuse resistant finish for a wide range of applications.

### APPLICATIONS

- Aquariums
- Cold storage areas
- Concrete or earthen containment areas
- Cooling tower liners
- Fertilizer plants
- Floor and wall systems
- General industrial plants
- Mechanical rooms
- Petrochemical plants
- Pipe coatings (interior/exterior)
- Pulp and paper mills
- Tank Linings
- Truck beds & steel coating
- Vehicle Frame & Body Coating
- Waste water tanks and facilities

### PRODUCT ADVANTAGES

- Continuous Service Temperature - Dry up to 175°F
- Fire Retardant
- Fungus resistant
- Intermittent Service Temperature up to 225°F
- No VOC's
- Resistant to many chemicals
- Resistant to thermal shock
- Seamless & can be applied at any thickness

### RECOMMENDED HANDLING INSTRUCTIONS

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

IsoCoat HRN 7006 FR 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.

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

### Component Properties

Color - ISO	Amber
Color - POL	Black
Viscosity - ASTM D-2196 - 74°F, ISO	900 - 1300 cps
Viscosity - ASTM D-2196 - 74°F, POL	900 - 1300 cps

### Reactivity Profile

Ratio by Volume - ISO:POL	1:1
Sprayed Gel Time	20 - 30 Seconds
Sprayed Tack Free Time	2 - 5 Minutes
Full Cure	24 Hours

### Typical Physical Properties

Flame Spread - ASTM E-84	Class A
Smoke - ASTM E-84	Class A
Hardness - ASTM D2240 - Shore D	50 - 55 Shore D
Tear Strength - ASTM D624, Die C	450 pli
Tensile Strength - ASTM D412	2000 - 2500 psi
Elongation - ASTM D412	100 - 150 %

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.

For Immersion or Continuous Wet Service please Contact Isotec® International Inc. for Guidelines and Recommendations

## 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 CO<sup>2</sup> gas. If placed in a sealed container, this gas can cause a dangerous build up 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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Since Seller exercises no control over Buyers application or use of the product manufactured by Seller ("product") and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- 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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