

IsoCoat Tank Lining PW

IsoCoat Tank Lining PW is a 100% solids, state-of-the-art, VOC-free, plural-component, pure polyurea elastomeric membrane. This seamless system exhibits extraordinary performance characteristics. 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. IsoCoat Tank Lining PW meets the requirements of NSF/ANSI/CAN 61 for a nominal pipe diameter of 18 inches and minimum tank size (gallons): 100. NSF/ANSI/CAN 61 testing covers all products with drinking water contact from source to tap, and determines what contaminants may migrate or leach from your product into drinking water. It also confirms if they are below the maximum levels allowed to be considered safe.

APPLICATIONS

- Aquariums
- Cold storage areas
- Concrete or earthen containment areas
- Cooling tower liners
- Fertilizer plants
- Petrochemical plants
- Pipe coatings (interior/exterior)
- Pulp and paper mills
- Tank Linings
- Waste water tanks and facilities

PRODUCT ADVANTAGES

- Application at 20F to 300 F
- Can be top coated for UV or chemical resistance
- Fast cure; can be handled/walked on in minutes
- Fungus resistant
- Higher Elongation & Greater Flexibility
- No VOC's
- Resistant to many chemicals
- Resistant to thermal shock
- Seamless & can be applied at any thickness
- Slower reactivity & better substrate wetting
- Smooth Finish
- USDA Approved

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

Component Properties

Color - ISO	Light Yellow
Color - POL	Gray
Specific Gravity - 74°F, ISO	1.11 - 1.15
Specific Gravity - 74°F, POL	.90 - 1.15
Viscosity - ASTM D-2196 - 74°F, ISO	400 - 600 cps
Viscosity - ASTM D-2196 - 74°F, POL	400 - 600 cps
% Solids - by Weight	100 -
% Solids - by Volume	100 -

Reactivity Profile

Ratio by Weight - ISO:POL	1.1 - 1
Ratio by Volume - ISO:POL	1 - 1
Gel Time - 100 gram sample, 74°F	6 - 15 Seconds
Sprayed Gel Time	5 Seconds
Tack Free Time	8 - 20 Seconds
Full Cure	24 Hours
Return to Service - Foot Traffic	1 Hour

Typical Physical Properties

Flame Spread - ASTM E108	Class A
Flame Spread - FMVSS 302	Pass
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 A	95 Shore A
Hardness - ASTM D2240 - Shore D	50 Shore D
Tear Strength - ASTM D624, Die C	495 pli
Tensile Strength - ASTM D412	3000 psi
Elongation - ASTM D412	450 %
Taber Abrasion Resistance - ASTM D4060 - 1000rev, CS 17	220 mg
Taber Abrasion Resistance - ASTM D4060 - 1000g, 1000rev, H 15	10 mg
Chip Resistance - SAE J400	10

RECOMMENDED HANDLING INSTRUCTIONS

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

Heated Plural Component Equipment, in 1:1 ratio only, such as:

IsoCoat Tank Lining PW 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 2000 psi and 160° F at the gun 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.

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 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.

Date Modified 6/13/2023

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.

www.isotecintl.com

“The Chemistry Behind Performance”®

(800) 234-6300
