

IsoCoat NRN 7060

PRODUCT DESCRIPTION

Isotec's IsoCoat NRN 7060 (Formerly IsoCoat 250) is a 100% solids, state-of-the-art, VOC-free, plural-component, pure polyurea elastomeric membrane. This seamless system exhibits extraordinary performance characteristics. IsoCoat NRN 7060 is based on amineterminated polyether resins, amine chain extenders and MDI prepolymers. This membrane achieves an extremely tough, flexible, chemical and abuse resistant finish for a wide range of applications.

PRODUCT ADVANTAGES

Higher Elongation & Greater Flexibility

Fast cure; can be handled/walked on in less than 1 minute

Application possible from -20° F to 300° F

No VOC's

Fungus resistant

Near Instant Gel Time

Seamless & can applied at any thickness

Resistant to thermal shock

Resistant to many chemicals

Service Temperature up to 380° F

APPLICATIONS

Concrete or earthen containment areas

Floor and wall systems

Cold storage areas

Aquariums

Tank Linings

General industrial plants

Cooling tower liners

Pipe coatings (interior/exterior)

Truck beds & steel coating

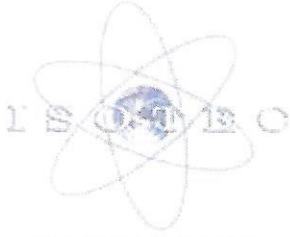
Waste water tanks and facilities

Petrochemical plants

Mechanical rooms

Pulp and paper mills

Fertilizer plants



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REACTION PROFILE

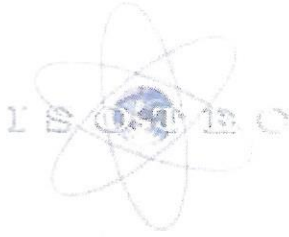
Gel Time, 100 gram sample :	3 - 4	seconds
Tack Free Time :	10 - 12	Seconds
Full Cure :	72	Hours
Ratio by Weight (iso:polyol) :	1.1:1	
Ratio by Volume (iso:polyol) :	1:1	

COMPONENT PROPERTIES

Color, Isocyanate :	Light Yellow	
Color, Polyol :	Black	
Specific Gravity (74F), Isocyanate :	1.15	
Specific Gravity (74F), Polyol :	1.01	
Viscosity (74F), ASTM D-1638 (Isocyanate) :	900	cps
Viscosity (74F), ASTM D-1638 (Polyol) :	520	cps

TYPICAL PHYSICAL PROPERTIES

Elongation, ASTM D412 :	250	%
Flame Spread, ASTM E108 :	Class A	
Flame Spread, FMVSS 302 :	Pass	
Flash Point :	200	°F
Shore Hardness- D, ASTM D2240 :	50 - 51	Shore D
Tear Strength, ASTM D624 :	450	pli
Tensile Modulus, ASTM D412 :	1800	psi
Tensile Strength, ASTM D412 :	2500	psi



Isotec Pharmaceutical, Inc.
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TECHNICAL DATA SHEET

IsoCoat NRN 7060

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

RECOMMENDED HANDLING INSTRUCTIONS

IsoCoat NRN 7060 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. Protect A and B side from moisture. If the A 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 B side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied. Always mix/roll B side prior to use to ensure a homogenous product.

SAFETY

Please refer to the MSDS for all appropriate health and safety information.

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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