

IsoCoat NRN 5065 FR

IsoCoat NRN 5065 is a sprayable 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 make it slightly slower than some conventional polyurea spray systems which make for a nice smooth coat.

APPLICATIONS

- Industrial
- Marine Equipment
- Theming

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

Component Properties

| | |
|-------------------------------------|----------------|
| Color - ISO | Light Yellow |
| Color - POL | amber |
| Specific Gravity - 74°F, ISO | 1.1 - 1.15 |
| Specific Gravity - 74°F, POL | 1.0 - 1.05 |
| Viscosity - ASTM D-2196 - 74°F, ISO | 500 - 740 cps |
| Viscosity - ASTM D-2196 - 74°F, POL | 750 - 1250 cps |

Reactivity Profile

| | |
|---------------------------|-----------------|
| Ratio by Weight - ISO:POL | 1.12:1 |
| Ratio by Volume - ISO:POL | 1:1 |
| Gel Time | 18 - 22 Seconds |
| Sprayed Gel Time | 20 Seconds |
| Tack Free Time | 55 - 70 Seconds |
| Full Cure | 24 Hours |

Typical Physical Properties

| | |
|----------------------------------|-----------------|
| Percentage Solids | 100 % |
| Hardness - ASTM D2240 - Shore A | 80 - 83 Shore A |
| Tear Strength - ASTM D624, Die C | 380 pli |
| Tensile Modulus - ASTM D412 | 6.0 ksi |
| Tensile Strength - ASTM D412 | 2440 psi |
| Elongation - ASTM D412 | 350 % |

RECOMMENDED HANDLING INSTRUCTIONS

Isotec® International's Recommended Application and Handling Instructions

- 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.

Heated Plural Component Equipment, in 1:1 ratio only, such as: H 2000, H-3500, or H-20/35 series with a GX7, sprayed at a minimum of 2000 psi and 160° F at the gun.

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.

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