

## IsoSpray 20C05 FR

IsoSpray 20C05 FR is a low viscosity, two- component, rigid polyurethane spray-foam system designed for various insulating applications. It was specifically designed for insulation of whirlpool spas and bathtubs.

### APPLICATIONS

- Bathware
- Spas

### PRODUCT ADVANTAGES

- Fast reacting

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

### Component Properties

Color - ISO	Dark Brown
Color - POL	Yellow-Light Brown

Specific Gravity - 74°F, ISO	1.21 - 1.29
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Specific Gravity - 74°F, POL	1.071 - 1.11
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Viscosity - ASTM D-2196 - 74°F, ISO	150 - 300 cps
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Viscosity - ASTM D-2196 - 74°F, POL	600 - 1000 cps
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### Reactivity Profile

Ratio by Weight - ISO:POL	1.1:1.0
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Ratio by Volume - ISO:POL	1.0:1.0
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Cream Time	3 - 5 Seconds
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Gel Time	12 - 22 Seconds
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Rise Time	28 - 40 Seconds
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Tack Free Time	18 - 30 Seconds
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### Typical Physical Properties

Closed Cell Content - ASTM D6226	75.1 %
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Compressive Strength - ASTM D695 - Parallel to Rise	25 psi
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Compressive Strength - ASTM D695 - Perpendicular to Rise	28 psi
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Free Rise Density	1.8 - 2.2 pcf
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Dimen. Stability - ASTM D2126 - 1 Day (158°F)	.11 %
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Dimen. Stability - ASTM D2126 - 7 Day (158°F)	.62 %
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### RECOMMENDED HANDLING INSTRUCTIONS

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

#### Recommended Equipment Settings

ISO Component Temperature:	110°F minimum
POL Component Temperature:	110°F minimum
Hose Temperature:	110°F minimum
Application Pressure:	1000 psi
Typical Spray Equipment:	Graco H20/35
Typical Spray Gun:	Graco Air Fusion
Typical Spray Gun Module:	AR4242

DO NOT let components fall below 65°F during storage.

## STORAGE

IsoSpray 20C05 FR must be stored in airtight containers and should not be exposed to the atmosphere until application. IsoSpray 20C05 FR Iso is moisture sensitive and should avoid contact with moisture before use. 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 buildup of pressure potentially resulting in injury or death.

IsoSpray 20C05 FR should be stored in cool, dry conditions between 60 – 110°F. When stored in these conditions, IsoSpray 20C05 FR has a minimum shelf life of 6 months for unopened containers.

## 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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