

IE-3000 Series Spray

Rigid polyurethane spray coat

Key Properties

- Excellent physical properties after RT cure
- Free of mercury, MOCA or TDI

Applications

- For meter mix dispensing
- To be used where vertical lay-ups are required

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	91
		pbv	100	100
Density	ASTM D-792	g/cm ³	ca. 1.34	ca. 1.22
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 16,000	ca. 2,500

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	thixotropic
Gel time at 77°F (25°C)		min	2-4
Demold time at 77°F (25°C)		min	15-25

Cured / Mechanical Properties (approximate values)

Cure 1: 7 days at 77°F			Cure 1
Aspect	visual		White
Density	ASTM D-792	g/cm ³	1.24
Shore hardness D	ASTM D-2240		65-75
Deflection temperature, HDT (66psi)	ASTM D-648	°F (°C)	140 (60)
Tensile strength	ASTM D-638	psi	6,150
Elongation at Break	ASTM D-638	%	2
Flexural strength	ASTM D-790	psi	11,400
Flexural modulus	ASTM D-790	psi	635,000
Notched Izod	ASTM D-256	ft-lbf/in	0.6

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The processing and material temperature should be between 68-77°F (20-25°C).

Agitate both the hardener and resin before use. Both sides contain fillers that will settle out of solution.

RAMPF Group Inc. supplies pneumatic, hand-held meter mix systems. Contact your RAMPF Group Inc. representative to learn more about these products.

Packaging

IE-3067 Quart Kit	3.82 lbs.
IE-3067 1 Gal. Kit	15.28 lbs.
IE-3067 5 Gal. Kit	76.4 lbs.
IE-3067 Drum Kit	859.5 lbs.

Storage

Original containers should be kept tightly sealed and stored at ambient temperatures 59-86°F (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label.

Partly used containers should always be sealed appropriately and used up as soon as possible.

Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.
