

Insulflow 220 HFO | Pour-in-Place Foam

Product Description

Insulflow 220 HFO is a closed cell, medium-density, two-component rigid polyurethane pour foam. Insulflow 220 is HFO-based and complies with Montreal Protocol blowing agent regulations. It has superior insulation properties and is formulated as a pour-in-place system for general cavity fill.

Recommended Uses

- General cavity fill
- Insulated panels and cavities

Storage

Store in a dry location between 50-90°F (10-32°C). Keep drums tightly sealed when not in use.

Processing Parameters

Insulflow 220 HFO should be processed through a plural component system at a 1:1 ratio by volume. For hand mixing procedures, contact an Elastochem specialist for more details.

Attribute	Isocyanate	Resin
Mixing Ratio (volume)	100	100
Mixing Ratio (weight)	108	100
Pressure	1000-1500 psi	
Pre-Heater Temperature	95-105°F (35-40°C)	
Hose-Heater Temperature	95-105°F (35-40°C)	

Reactivity Profile

Attribute	Hand Mix
Cream Time	25-35 sec.
Gel Time	110-140 sec.
Tack Free Time	240-290 sec.
Free Rise Density	2.02-2.35 lbs/ft ³

Typical Properties

Attribute	Test	Results
Free-Rise Density	ASTM D1622	32.36 kg/m ³ (2.02 lbs/ft ³)
R-Value (90 Days)	ASTM C518	6.3 @ 1"
Compressive Strength	ASTM D1621	25 psi
Dimensional Stability @ 70°C, 97% RH @ 100°C @ -40°C	ASTM D2126	< 1% change
Tensile Strength	ASTM D1623	210 kPa (30 psi)
Closed Cell Content	ASTM D6226	92%

Liquid Component Properties

Attribute	Isocyanate	Resin
Colour	Brown	Clear/Yellow
Viscosity	250 cps	600-900 cps
Specific Gravity	1.24	1.12
Shelf Life	12 months	6 months
Storage Temperature	50-90°F (10-32°C)	50-90°F (10-32°C)

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Elastochem Representative.

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