TECHNICAL DATA SHEET - TDS

Dynamo Polyurethane Systems DynamoPF - POUR IN PLACE

Material Specification Criteria | Project Submittal Data

DYNAMO PF

2 LB • CLOSED CELL POUR IN PLACE FOAM

Dynamo PF is a two component, medium density, one to one by volume pour applied polyurethane foam. To produce Dynamo PF requires the use of an "A" component (Dynamo ISO) and a blended "B component (Dynamo PF RESIN). Specially formulated as a pour in place system for cavity fill applications. ***Dynamo PF HFO blown contains ZERO ozone depleting blowing agents.***

Reccomended uses - General cavity fill - Insulated panels and cavities

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DYNAMO PF VALUE	TEST METHOD
R - Value	R-Value at 1 inch: 6.3	ASTM C518
Core Density	Nominal 2.02 lb pcf	ASTM D1622
Dimensional Stability	< 1% change	ASTM D2126
@158°F,97% RH		
Tensile Strength	30 Psi	ASTM D1623
Compressive Strength	25 psi	ASTM D1621
Closed Cell Content	92%	ASTM D6226

LIQUID COMPONENT PROPERTIES*	PMDI	DYNAMO PF Resin
Viscosity / [Color]	**250cps cPs @25°C /77° / [Brownish]**	**600-900 cPs @25°C /77°F / [Clear/Yellow]**
Specific Gravity / [Ph]	**1.24**	**1.12**
Shelf Life	**12 months**	**6 months**

PROCESSING PARAMETERS:

Polyurethane foam systems should be processed through commercially available spray equipment designed for that purpose by a qualified professional applicator. Dynamo PF HFO 2lb pour in place foam should be processed through a plural component system at a 1:1 ratio by volume. For Hand mixing please contact a member of the Dynamo Technical team.

APPLICATION PARAMETERS:

Storage Temperature	50°F-100°F (10-38°C)
Equipment Dynamic Pressure Range	1,000-1,500 psi
Preheat Temperature (A&B/Hose)	95°F-105°F (35-40°C)
Drum Temperature	70°F-85°F (21-29°C)

REACTIVITY PROFILE:

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

MATERIAL HANDLING:

Due to the reactive nature of these components respiratory protection is mandatory. The vapors and liquid aerosols present during application and for a short period thereafter must be considered – and appropriate protective measures taken – to minimize potential risks from overexposure through inhalation, skin, or eye contact. These protective measures include: adequate ventilation, safety training for installers and other workers, use of appropriate personal protective equipment, and a medical surveillance program. It is imperative that the applicator read and become familiar with all available information on proper use and handling of spray polyurethane foam. Additional Information is available at spraypolyurethane.org, polyurethane.org or by contacting the Dynamo Polyurethane Systems Technical Services dept.

PROPER STORAGE OF RAW MATERIALS:

Shelf life is Twelve (12)months for Dynamo ISO and six (6) months for Dynamo PF Resin, from date of manufacture when stored indoors, in the original unopened containers and between the temperatures of 65° to 85°.

TECHNICAL ASSISTANCE:

For additional assistance please contact the Dynamo Polyurethane Systems Technical Services dept.

DISCLAIMER:

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