

POLYURETHANE SPRAY FOAM SYSTEM

■ Description

VFI-711 is a two component, liquid spray applied nominal 4-pound rigid polyurethane foam insulation. Intended for pneumatic static mix and external atomization, this system has the benefit of precise ratio control over froth systems. Pneumatic dispense allows for accurate spray control and a very flat, smooth foam surface. Material and substrate temperatures will vary yield.

■ Usage

A.Roofing
Portable repair of spray foam roof blisters, delaminating, cracks and test cut areas, repairing

modifications to foam roofs. Leveling of pond areas, details and difficult to reach areas. Small Roofs.

B.Other

Freezer, Hot tub, HVAC, piping insulation repairs. Infiltration and radon gas control. Cavity fill. Structural fill for thermoplastic parts. Mobile home top and bottom. Insulated trailers. Concrete block cavity fill. Sealing and insulating of house sills, walls and around windows and doors. When used interior where human occupancy is eminent, a 15-minute fire barrier must be used over the foam.

Physical Properties

■ Nominal Density, Sprayed

ASTM D-1622
Pcf 3.6 to 4.2

■ Comprehensive Strength

@ % Deflection
@ % Yield
ASTM D-1621
Parallel (psi): 50 to 65 @ 6%

■ Closed Cell Content

ASTM D-2856 85 -95%

■ Thermal Conductivity, Btu/hr Ft² °F/in Factor@ 77°F

ASTM C-518 Initial: 0.33

■ Humid Aging, % Volume Change,158°F (70°C), 100% R.h.

ASTM D-2126 28 Days +0.8 to 1.3%

■ Cold Aging, % Volume Change, -20°F (-29°C)

ASTM D-2126 5 Days -0.2 to .35%

■ Dry Aging, % Volume Change, 158°F (70°C)

ASTM D-2126 28 Days ± .2 to .4%

Liquid Component Properties

■ Viscosity @20°C

ASTM D-1638
Iso Component: 85-110 cps
Poly Component: 360-380 cps

■ Specific Gravity @20°C

ASTM D-1638
Iso Component: 1.23
Poly Component: 1.03

Application

■ Pot Life

By Volume:
% "A" 50
% "B" 50

■ Spray Reactivity

12-15 Seconds Tack Free

Corporate Office: P.O. Box 344 / Brookfield, WI 53008 / 800-307-9218 / 262-787-0400 / Fax: 262-787-0500 / www.volatilefree.com

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