



Environmentally Safe Polymers, Inc.

Technical Data

Updated 11/2004

POLYROOF #73 POLYURETHANE SPRAY ROOFING FOAM

PRODUCT DESCRIPTION AND USAGE:

PolyRoof #73 is a two component, liquid spray applied, HCFC 141b blown, 2.8 p.c.f. density, rigid polyurethane roofing foam. PolyRoof #73 can be ordered in four reactivity grades to meet all ranges of surface temperature conditions: Winter (W), Fall (F), Regular (R) or Summer (S).

HEAT AGING, % VOLUME CHANGE, 200°F (93°C):

ASTM D-2126	
1 Day	<1
7 Days	+2
14 Days	+5
28 Days	+8

PHYSICAL PROPERTIES

NOMINAL DENSITY, SPRAYED:

ASTM D-1622 2.7 to 2.9 pcf

COMPRESSIVE STRENGTH, @ % Yield:

ASTM D-1621
Parallel: 40 psi @ 6%
Perpendicular: 26 psi @ 6%

COMPRESSIVE MODULUS:

ASTM D-1621
Parallel: 850 psi
Perpendicular: 630 psi

CLOSED CELL CONTENT:

ASTM D-2856 >96%

THERMAL CONDUCTIVITY, BTU/hr ft² _F/in FACTOR @ 77°F:

ASTM C-518
Initial: N/A
Aged: 0.13

HUMID AGING, % VOLUME CHANGE, 158°F (70°C), 100% R.H.:

ASTM D-2126
1 Day +7
7 Days +9
14 Days +14
28 Days +19

COLD AGING, % VOLUME CHANGE, -20°F (-29°C):

ASTM D-2126
2 Days <1
7 Days <1

LIQUID PROPERTIES

VISCOSITY @ 20°C:

ASTM D-1638
Iso Component: 300 cps
Poly Component: 680 cps

SPECIFIC GRAVITY @ 20°C:

ASTM D-1638
Iso Component: 1.23
Poly Component: 1.16

APPLICATION

MIX RATIO:

By Volume:
% "A" (Iso) 100
% "B" (Poly) 100

SPRAY REACTIVITY:

Tack Free, Seconds:
Winter 2
Fall 3
Regular 3-4
Summer 4-5

Polyurethane foam utilized as an interior insulation system, must be protected by an approved 15 minute, fire rated thermal barrier and meet Building Code approvals both federal & state.

Our data is based on information from lab and field testing which we believe to be reliable and accurate. Environmentally Safe Polymers, Inc. makes no warranties, expressed or implied of the products use or its results, and assumes no obligation or liability in connection therewith.