

## Gaco Western Polyfoam™ System 273

POLYFOAM 273  
December 2004  
Supersedes 2/04

### DESCRIPTION:

Gaco Western PolyFoam™ 273 is an HFC blown (non-ozone depleting) liquid spray system that cures to a medium density rigid polyurethane insulation for roofing applications. This system can be sprayed on clean dry substrates down to 45°F.

### TECHNICAL INFORMATION:

PolyFoam™ 273 is available in three standard reactivities for application in a wide range of temperatures. To ensure optimum performance, a minimum pass thickness of 3/4" (2 cm) is recommended with the maximum not to exceed 1.5" (4 cm) per pass. This product processes better at lower heat settings. Check with Gaco Western for specific recommendations.

Property	Test Temp.	ASTM Test	Unit	Value
<b>Nominal Density: Sprayed-in-Place</b>	77°F (25°C)	D-1622-93	lbs/ft <sup>3</sup>	2.5 - 2.9
<b>Initial R Value:</b>	@ 75°F (23.9°C)	C-518	R	6.5
<b>Aged R Value:</b>				5.6
<b>Compressive Strength: Parallel to Rise</b>	77°F (25°C)	D-1621-94	psi	50.1
<b>Compressive Strength: Perpendicular to Rise</b>	77°F (25°C)	C-273-94	psi	30.0
<b>Tensile Strength:</b>	77°F (25°C)	D-1623-78	psi	54
<b>Water Absorption: (96 hrs under 2" head)</b>	77°F (25°C)	MS140297	lbs/sq ft	NA
<b>Water Vapor Transmission</b>	77°F (25°C)	E-96-95	perm-in	1.8
<b>Dimensional Stability: 7 Days</b>	158°F (70°C) 97% RH -20.2°F (-29°C) Amb. RH	D-2126-94	% Vol. change	+4.2  -0.2
<b>Recommended Service Temperature Range</b>			°F	-40°F (- 40°C)

				to 200°F (93°C)
<b>Closed Cell Content</b>	77°F (25°C)	D-2856C-94	%	90.2

**Fire Testing (UL-790 / ASTM E-108):** PolyFoam™ 273 has passed Classification burn testing at Underwriters Laboratories and received a Class A rating at a 2" incline.

#### TYPICAL LIQUID CHEMICAL PROPERTIES

"A" Component contains polymeric isocyanate. "B" Component contains polyol, catalysts and blowing agents.

Property	Test Temp.	ASTM Test	Unit	Value
Viscosity: "A" Component "B" Component	77°F (25°C)	D-2196-68	cps	180 ± 20 700 ± 50
Specific Gravity: "A" Component "B" Component	77°F (25°C)	D-1638-70		1.23 1.15
Weight / Gallon: "A" Component "B" Component	77°F (25°C)		lbs/gal	10.2 9.6
Mixing Ratio: "A" & "B" Component	77°F (25°C)		% by volume	50
Stability: When stored at 50° to 70°F (10° - 21°C) "A" & "B" Component			months	A: 1 year B: 3 months

NOTE: All hot work, i.e. welding, torches and open flame work must be completed prior to installation of the polyurethane foam insulation. Smoking in the same area while the spray polyurethane foam insulation is being applied shall be strictly prohibited.

Recommendations and safety considerations for application are outlined in Gaco Western's "Polyfoam Product/Application Guide." The aforementioned information on this product is to be used as a guide and is subject to change without notice. These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods and use of our products are beyond our control. Any obligation of the seller or manufacturer shall have no force or effect unless it is in writing and signed by officers of the manufacturer.

The information herein is believed to be reliable but unknown risks may be present. ALL WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND THAT GOODS ARE OF MERCHANTABLE QUALITY, ARE SPECIFICALLY DISCLAIMED. See Gaco Western, Inc. for information concerning its limited warranty and

its availability.

All contents and images copyright© Gaco Western Inc.