

PRODUCT DATA – Gaco Western GacoGreen 052

GacoGreen is a water blown spray-applied system that cures to a semi-rigid very low-density foam. In-place density ranges from 0.45 – 0.55 lb/ft³. The cured product is dimensionally stable in all weather conditions and its insulating properties do not significantly diminish over time. GacoGreen is safe for the environment, containing no CFC's, HCFC's, HFC's, formaldehyde or ozone depleting chemicals. GacoGreen 052 is a Class I fire rated foam and meets the requirements of ICC-ES AC12 Acceptance Criteria for Foam Plastic Insulation.

TECHNICAL INFORMATION: GacoGreen forms a completely sealed air barrier in wall cavities and can be used to fill 2" x 6" stud wall construction in a single application. Its performance is superior to commonly used fiberglass batting or loose fill insulation. It adheres well to most building materials and will provide a continuous barrier against air infiltration for the life of the building. GacoGreen is semi-rigid in nature but is flexible enough to withstand normal expansion and contraction of building components. Yields up to 15,000 board feet per kit (1,020 Lbs.) are possible under optimum conditions.

PHYSICAL PROPERTIES

PROPERTY	TEST TEMPERATURE	ASTM TEST	UNIT	VALUE
Nominal Density (Sprayed In Place):	77°F (25°C)	D-1622-98	lbs/ft ³	0.45 – 0.55
Aged R-Value: * See Note Below	75°F (23.9°C) * See Note Below	C-518	R at 1" R at 4"	4.21 15.64
Tensile Strength:	77°F (25°C)	D-1623	psi	4.4
Closed Cell Content:	77°F (25°C)	D-2856-94	%	<0.6%
Water Vapor Transmission:	77°F (25°C)	E-96-95	perm-in	13.0
Fungus Resistance:		G21-96	0-4 Growth	0 (No Growth)
Dimensional Stability:	158°F (70°C) / 95% RH	D-2126-94	% Vol change	+2.7%
Air Permeance (3 inches @1.56 psf): Air Permeance (5 inches @1.56 psf):	77°F (25°C)	E-283	cf/m/sq.ft.	0.04 0.01

* NOTE: Federal Trade Commission regulations published in the Federal Register 16 CFR Part 460 require that R value testing of polyurethane foam insulation must be conducted on aged samples at a 75°F mean test temperature. Failure to comply can result in substantial fines by the FTC.

SURFACE BURNING CHARACTERISTICS

Class I when tested per ASTM E84-05 (Also known as ANSI 2.5, NFPA 255, UBC 8-1 (42-1) and UL 723)

SYSTEM	THICKNESS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
GacoGreen 052	6" (15.2 cm)	25	250

TYPICAL LIQUID CHEMICAL PROPERTIES

"A" Side contains polymeric isocyanate. "B" Side contains polyols, catalysts, fire retardants and blowing agents.

PROPERTY	TEST TEMPERATURE	ASTM TEST	UNIT	VALUE
Viscosity – "A" Component: Viscosity – "B" Component:	77°F (25°C)	D-2196-68	cps	180 ± 20 300 ± 20
Lbs/gal/S.G. – "A" Component: Lbs/gal/S.G. – "B" Component:	77°F (25°C)		lbs/gal/S.G.	10.3 / 1.23 9.5 / 1.15
Mixing Ratio – "A" & "B" Component	77°F (25°C)		By volume	1:1
Stability When Stored at 50°F to 70°F (10°C to 21°C)	77°F (25°C)		Months	"A" Component: 1 year "B" Component: 3 months*

* NOTE: Three-month period is for un-catalyzed material. After the catalyst has been added the shelf life will be two months when stored within recommended temperature range.

EQUIPMENT SETTINGS

SETTING	VALUE
Pre-Heat: Iso (A)	125°F - 140°F (51.7°C - 60°C)
Pre-Heat: Poly (B)	125°F - 140°F (51.7°C - 60°C)
Hose Heat	125°F - 140°F (51.7°C - 60°C)
Recommended Spray Pressure	1,200 - 1,400 psi (dynamic)

PRODUCT CHARACTERISTICS

CHARACTERISTIC	VALUE
Cream Time	0 - 1 sec
Rise Time	3 - 4 sec
Tack Free Time	3 - 4 sec
Cure Time	4 hours

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