

# GacoProFill<sup>®</sup> SYSTEM

## INNOVATIVE NEW CONSTRUCTION APPLICATION FOR OPEN CELL FOAM

PATENTED PROCESS

NO WASTE.

REDUCES LABOR.

INCREASES YIELD.

### CONTRACTOR / APPLICATOR BENEFITS

**NO TRIMMING NEEDED.** First complete spray foam system to offer a consistent cavity fill and a smooth surface without trimming, resulting in virtually no waste.

**EFFICIENT.** Eliminates trimming and disposal time to help get you on and off the job more quickly.

**LOWER COSTS.** Because there is virtually no waste, the GacoProFill SYSTEM provides higher yields than most open cell foams and scrap disposal expenses are greatly reduced or eliminated.

**NO SPECIAL SPRAY FOAM EQUIPMENT.** Install using the same equipment you use for Gaco's other spray foam insulation products.

**REDUCED OCCUPATIONAL EXPOSURE.** No trimming dust or Amine emissions and 97% reduction in exposure to ISO.

### HOMEOWNER / BUILDING-OWNER BENEFITS

**ENERGY EFFICIENT.** High R-value and a seamless air barrier reduce air leakage and lower energy costs.

**LONG TERM VALUE.** Will not shrink, settle or sag; provides a seamless insulation barrier year after year.

**HEALTHY.** Reduces condensation, moisture and mold, improving occupant comfort, health and safety.

**QUIET.** Acts as a sound barrier to help block airborne noise and absorb sound.



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## Why is the GacoProFill SYSTEM the Best Choice?

The GacoProFill SYSTEM is the first complete spray foam system to offer a consistent cavity fill and a smooth surface with no trimming needed.

- The self-compressing characteristic of this tough, true polyurethane based spray foam is the reason GacoProFill can be quickly and easily installed behind a membrane as part of the GacoProFill SYSTEM.
- Because there is virtually no waste, the GacoProFill SYSTEM provides higher yields than most open cell foams and scrap disposal expenses are greatly reduced or eliminated.



## Easy Prep & Installation

### STEP ONE

You install GacoProFill Open Cell Foam using the same equipment you use for Gaco's other spray foam insulation products, just add a Pour Tip to the gun.

Choose the GacoProFill SYSTEM membrane that meets code requirements for the climate zone and construction type where the foam is being installed.

GacoProFilm

OR

GacoProWeb





# GacoProFill<sup>®</sup> SYSTEM

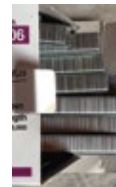
INNOVATIVE NEW CONSTRUCTION  
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## STEP TWO

Cut membrane to the appropriate size such as the length of the wall. To begin installation, stretch the membrane down over the cavity and staple it in place using a Speed Stapler.



Two staplers plus a supply of staples are available in a convenient Accessory Kit; an Air Hose is also available.

## STEP THREE

To complete the installation, choose one of the following options:

**Option #1:** Use a Wide Crown Stapler to inset-staple the membrane to ensure tightness on both sides and the top and bottom of each bay.

**Option #2:** Use the Wide Crown Stapler to inset staple only the tops and bottoms of each stud cavity and any odd sized areas. Use the GacoProCap Fixture System in place of vertical stapling.

Attach GacoProCap channels fixtures to face of studs to snug the membrane, then after the cavities are completely filled with GacoProFill Open Cell Foam, remove the fixtures and move to the next room. Repeat the installation procedure until the job is completed.

**NOTE:** The GacoProCap Fixture System saves up to 70% on the installation time of the membrane.



A GacoProCap Fixture System Kit is available and contains Channels, Angles, Screws and Washers.

*For more information and detailed instructions, please refer to the GacoProFill SYSTEM New Construction Installation Guide, available at [gaco.com](http://gaco.com).*

## GacoProFill Polyurethane Foam Insulation Data Sheet | September 2016

GacoProFill FR6500R is a two-component polyurethane foam that cures to a low-density cellular insulation material. It is recommended for use in a variety of empty cavities in retrofit applications in residential and commercial buildings and as part of the GacoProFill SYSTEM for use in new construction.

### PHYSICAL PROPERTIES

PROPERTY	ASTM TEST	VALUE	UNIT
Core Density	D1622	0.55 ± 10%	lbs/ft <sup>3</sup>
Aged R-Value*	C518	4.04 at 1" 13.8 at 3.5" (3.93/in at > 3.5")	h · ft <sup>2</sup> · °F/Btu
Tensile Strength	ASTM D1623	3.1	psi
Water Vapor Transmission	ASTM E96 - Method A	14	perm-in
Dimensional Stability (7 Days)	ASTM D2126	6%	Max linear change
Open Cell Content	ASTM D2856	92	%
Air Permeance @ 75 Pa	ASTM E283	0.012 at 3.5"	L/s · M <sup>2</sup>
Bio-Based Content	ASTM D6866	8.9	%
Fungi Resistance	ASTM C1338	Pass	No growth
VOC Emissions	UL GREENGUARD UL GREENGUARD Gold	Pass Pass	No harmful effects No harmful effects
Critical Radiant Heat Flux	NFPA 970	Pass	>0.12 W/cm <sup>2</sup>
Hot Surface Performance of High Temperature Thermal Insulation	ASTM C411	Pass	Did not flame, glow, smolder or smoke
Sound Transmission Class	ASTM E90	Wall 1 – STC 42 Wall 2 – STC 46 Wall 3 – STC 48 Wall 4 – STC 54	
Noise Reduction Coefficient	ASTM C423	NRC 0.65	

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

SYSTEM	THICKNESS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
GacoProFill FR6500R	4.5" (11.4 cm)	25	400

### TYPICAL LIQUID CHEMICAL PROPERTIES

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

PROPERTY	TEST TEMPERATURE	ASTM TEST	VALUE	UNIT
Viscosity – "A" Component: Viscosity – "B" Component:	77°F (25°C)	D2196	200 ± 50 100 ± 20	cps
Lbs/gal and S.G. – "A" Component: Lbs/gal and S.G. – "B" Component:	77°F (25°C)	D1638	10.34 / 1.23 9.77 / 1.17	lbs/gal and S.G.
Mixing Ratio – "A" & "B" Component			1:1	By volume
Stability When Stored at 50°F to 70°F (10°C to 21°C)			"A" Component: 12 months "B" Component: 6 months	Months

### EQUIPMENT SETTINGS\*

SETTING	VALUE
Pre-Heat: Iso (A)	115°F - 145°F (46°C - 63°C)
Pre-Heat: Poly (B)	115°F - 145°F (46°C - 63°C)
Hose Heat	115°F - 145°F (46°C - 63°C)
Recommended Spray Pressure	1,000 - 1,200 psi (dynamic)

\*At 70°F ambient temperature, recommended start settings are 115°F and 1,000 psi.

### PRODUCT CHARACTERISTICS

CHARACTERISTIC	VALUE
Cream Time	3 sec
Tack Free Time	6 - 10 sec
Cure Time	4 hours

**Gaco Western**  
S I N C E 1 9 5 5

**Contact us today for more information about GacoProFill.**  
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