

GacoFireStop™

OPEN CELL SPRAY FOAM INSULATION

The first **single-application**, open-cell spray foam insulation of its kind that requires no additional ignition barrier.

**BETTER. SIMPLER. FASTER.
EASIER. SAFER. SOUNDER.
AND, YES, MORE COST EFFICIENT.**

Since 1955

GACO WESTERN

ONE SIMPLE STEP FOR INSTALLATION. ONE GIANT STEP FOR SPRAY FOAM IN



IT ALL ADDS UP:

**1 SEAMLESS AIR BARRIER
+ 1 PROVEN IGNITION BARRIER
= 1 REVOLUTIONARY SOLUTION**

Say goodbye to lengthy, expensive, hard-to-inspect 2-step spray insulation projects. Say hello to GacoFireStop™.

If there's such a thing as a breath of fresh air in the spray foam insulation world, this is it.

It's here. It's tested and certified (AC308 Appendix X to be specific). And it has contractors calling US for the inside story.

GacoFireStop is unlike any other open cell spray foam insulation, because it requires no additional ignition barrier: an often lengthy – and spotty – second application step.

Thanks to BioMax technology, it's built into the formula.

A proprietary formula that of course, also includes Gaco's Air Seal Advantage: a single, solid polyurethane barrier with energy savings up to 40%.

So it's strong, formulated to last for decades.

It's seamless, so it's high performance.

And it's one step installation to save time and money.

INSULATION.

GacoFireStop™

SPRAYS ON FAST.

One single step replaces 2.

This is huge!

Before GacoFireStop, an ignition barrier coating was required as a second step after foam insulation was installed in attics and crawl spaces. This involved a significant waiting period while the foam insulation cured, and it was extremely difficult to measure and gauge the coverage of an additional ignition barrier.

GacoFireStop™ spray foam insulation does the work of two, but goes into any attic or crawl space in one single step: with the same sprayability and coverage you've come to expect from Gaco.

No extra training is required. And within an hour, the insulation is cured.

Look at all that time and money you saved and passed onto your customers. They're going to love you for that.

FORMULATED TO LAST.

A single solid barrier that doesn't shrink, settle or sag over time.

Here's another reason homeowners will love you.

At the heart of GacoFireStop is Gaco's Air Seal Advantage, a single, solid, seamless energy-saving barrier that doesn't shrink or sag over time.

Go right ahead. Leave it exposed. And take comfort knowing you've met all code requirements for attics and crawl space.

THE MOST CRITICAL TEST? PASSED!

Because the last thing you want to do... is do it over.

This one has contractors celebrating.

Because GacoFireStop's ignition barrier is part of the actual polyurethane foam insulation, contractors and builders don't have to prove a required thickness of intumescent coating over the top of the foam.

So it's easier for code officials to inspect AND pass. And that kind of compliance means you're ready to move on to the next job without worrying about the potential liability – and litigation – of a faulty installation or ignition barrier failure.

LAB TESTED. LAB PROVEN.

-  **HIGH R-VALUES.**
-  **LOWER INSTALLATION COSTS.**
-  **NO ADDITIONAL IGNITION BARRIER REQUIRED.**



PRODUCT DATA – GacoFireStop™ 5500 Open Cell Spray Foam Insulation

GacoFireStop 5500 is a water blown spray-applied system that cures to a semi-rigid low density foam. In-place density is approximately 0.6 lb/ft³. The cured product is dimensionally stable in all weather conditions and its insulating properties do not significantly diminish over time. GacoFireStop 5500 is safe for the environment, containing no CFC's, HCFC's, formaldehyde or ozone depleting chemicals. GacoFireStop 5500 is a Class 1 fire rated foam. **GacoFireStop 5500 meets the requirements of AC377 Appendix X for use in attic and crawl spaces without an additional ignition barrier.**

TECHNICAL INFORMATION: GacoFireStop 5500 forms a completely sealed air barrier in wall cavities, attics and crawl spaces. Its performance is superior to commonly used fiberglass batt and loose fill insulation. It adheres to most building materials and will provide a continuous barrier against air infiltration for the life of the building. GacoFireStop 5500 is semi-rigid in nature but is flexible enough to withstand normal expansion and contraction of building components. Yields up to 12,000 board feet per set (1,050) are possible under optimum conditions. Care should be taken to clear lines of other polyurethane spray foam materials prior to spraying GacoFireStop to insure that line contamination doesn't occur.

PHYSICAL PROPERTIES

PROPERTY	TEST TEMPERATURE	ASTM TEST	UNIT	VALUE
Nominal Density (Sprayed In Place):	77°F (25°C)	D-1622-98	lbs/ft ³	0.60
R-Value (Initial):	75°F (23.9°C)		R at 1", R at 3.5"	3.8, 13.3
Aged R-Value: * See Note Below	75°F (23.9°C) * See Note Below	C-518	R at 1", R at 3.5"	TBD, TBD
Tensile Strength:	77°F (25°C)	D-1623	psi	5.2
Closed Cell Content:	77°F (25°C)	D-2856-94	%	0.7%
Water Vapor Transmission:	77°F (25°C)	E-96-95	perm-in	48.22
Fungus Resistance:		G21-96	0-4 Growth	0.0 - no growth
Dimensional Stability:	158°F (70°C) / 95% RH	D-2126-94	% change	W=4.9%, L=4.5%, T=2.05%
Air Permeance (3.5 inches @ 75 Pa)	77°F (25°C)	E-283	L/s/m2	0.003

* 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
GacoFireStop™ 5500	4" (10.16 cm)	25	450

NOTE: Thicknesses of up to 1 1/4 inches (286 mm) for wall cavities and 1 1/4 inches (387 mm) for ceiling cavities are recognized based on room corner fire testing in accordance with NFPA 286, when covered with a minimum 1/2 - inch thick (12.7 mm) gypsum board.

ROOM CORNER FIRE TESTING

NFPA 286 (AC377 Appendix X)

LOCATION	FOAM THICKNESS
Walls	Up to 9.25" (23.495 cm)
Ceiling	Up to 11.25" (28.575 cm)

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:	77°F (25°C)	D-2196-68	cps	200 ± 50
Viscosity – "B" Component:				250 ± 50
Lbs/gal/S.G. – "A" Component:	77°F (25°C)		lbs/gal/S.G.	10.35 / 1.24
Lbs/gal/S.G. – "B" Component:				10.25 / 1.23
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: 6 months "B" Component: 6 months

EQUIPMENT SETTINGS

SETTING	VALUE
Pre-Heat: Iso (A)	130°F - 145°F (54.4°C - 62.7°C)
Pre-Heat: Poly (B)	130°F - 145°F (54.4°C - 62.7°C)
Hose Heat	130°F - 145°F (54.4°C - 62.7°C)
Recommended Spray Pressure	900 - 1,100 psi (dynamic)

PRODUCT CHARACTERISTICS

CHARACTERISTIC	VALUE
Cream Time	0 - 1 sec
Rise Time	3 - 5 sec
Tack Free Time	3 - 5 sec
Cure Time	1 hour

GFD051 07/11



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GACO WESTERN
 Waterproofing and Insulating our World, from NASA to your Neighborhood.
 Gaco Western has you Covered with Innovative Solutions.

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