



HOLCIM GacoWallFoam F4500

0.5 LB. OPEN CELL FOAM

DESCRIPTION

Gaco EZSpray F4500 is a two-component water-blown (zero ozone-depleting) liquid spray system that cures to a low-density cellular polyurethane insulation material. This open cell foam is designed to provide: good thermal performance; air impermeable insulation; and, an integral part of an air barrier assembly.

Gaco EZSpray F4500 has been tested as a Class A (Class 1) fire rated foam that meets the requirements of ICC-ES AC377 Acceptance Criteria for Foam Plastic Insulation.

CHEMICAL PROPERTIES

(For components)

	TEST	ISOCYANATE	RESIN
Viscosity, cps 25°C (77°F)	ASTM D2196	200 ± 50	920 ± 50
Weight/Gallon 25°C (77°F)		10.34 lbs/gal	9.1 lbs/gal
Mixing Ratio By volume		1	1
Stability When Stored at 10°C to 21°C (50°F to 70°F)		6 Months	6 Months

PHYSICAL PROPERTIES

(Cured Material)

	TEST	RESULT
Core Density	D1622	8.09 Kg/m ³ (0.5 lbs/ft ³)
Aged R-Value (1" thick specimens)	C518	R 4.1 h·ft ² ·°F/Btu
Tensile Strength	D1623	3.3 psi
Water Vapor Transmission	E96 – Method A	44.4 perm-in
Dimensional Stability (7 Days)	D2126	5 % max linear change
Open Cell Content	D2856	>90 %
Air Permeance @ 75Pa	E2178	0.002 L/s·M ²
Fungi Resistance	C1338	Pass no growth
Critical Radiant Heat Flux	NFPA 970	Pass >0.12 W/cm ²
Hot Surface Performance of High Temperature Thermal Insulation	ASTM C411	Pass Did not flame, glow, smolder or smoke

SURFACE BURNING CHARACTERISTICS

Meets Class A (Class 1) requirements when tested in accordance with ASTM E84 (UL 723) as defined in NFPA 101 and Section 803 of the International Building Code (2009, 2012, 2015)

System	Thickness	Flame Spread Index	Smoke Developed Index
Gaco EZSpray F4500	4" (101.6 mm)	0	300

RECOMMENDED USES

Gaco EZSpray F4500 will provide good performance in a wide range of residential, commercial and industrial applications where in service temperatures are between -40°F (-40°C) and 200°F (93°C). Acceptable uses for this product include: walls, ceilings, floors, attics and crawlspaces.

LEED INFORMATION

Gaco EZSpray reduces your energy costs throughout the life of your building. It provides energy savings of up to 40%. Gaco EZSpray raw materials are blended in Waukesha, WI. Actual polyurethane foam end product production is done on-site by the applicator.



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APPLICATION

To ensure optimum performance, a minimum pass thickness of 25.4 mm (1 inch) is recommended with no limit to maximum pass thickness. To obtain optimum results substrate temperature should be within the ranges as stated below. All substrates must be dry at the time of application. Do not apply to wood surfaces with a moisture content of above 18%.

MATERIAL

Gaco EZSpray F4500

SUBSTRATE TEMPERATURE

4.4°C to 48.9°C (40°F to 120°F)

PROCESS SPECIFICATIONS

Equipment pre-heater temperature

Component A

43°C to 60°C

110°F to 140°F

Component B

43°C to 60°C

110°F to 140°F

Hose temperature

43°C to 60°C

110°F to 140°F

Spray pressure (dynamic)

1,200 to 1,400 psi

83 to 97 Bar

Cream Time

0 - 1 seconds

Rise Time

3 - 4 seconds

Tack Free Time

5 seconds

Cure Time

4 hours

STORAGE

Gaco EZSpray F4500 components should be stored in sealed containers at 10°C to 38°C (50°F to 100°F), in a dry area. Avoid exposure to freezing temperatures. Store on wooden pallets to avoid direct contact with the ground. Material in containers should be maintained at 15°C to 38°C (60°F to 100°F) while in use. Material temperature should be confirmed with a thermometer or an infrared gun.

PRECAUTIONS

Protect from exposure to moisture. Water will cause the "A" component (ISO) to generate carbon dioxide with resulting high pressure in closed containers.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your Pinnacle representative or visit our website for current technical data and instructions.

TECHNICAL SUPPORT

We have a dedicated technical support team offering knowledgeable support for everything from preventative maintenance, equipment calibration and servicing through to coating and foam application advice. If you have any questions regarding the use of this product please call us toll free at 1-800-901-0088 or email us info@pinnaclewest.net.

ON-SITE TRAINING

Our on-site training programs provide the necessary equipment and application training, including the health and safety aspects, needed to apply a wide variety of products. The goal of our programs are to give the skills required to be a professional and productive installer.

DISCLAIMER

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 MERCHANTABILITY, ARE SPECIFICALLY DISCLAIMED. See Gaco Western for information concerning its limited warranty and its availability. For specific Safety and Health information please refer to Safety Data Sheet.

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