

**GACOROOFFOAM™ LOW GWP F2780
MEDIUM DENSITY LIQUID SPRAY FOAM**

A. DESCRIPTION:

GacoRoofFoam Low GWP F2780 is a two-component, liquid spray system that cures to a medium-density rigid polyurethane insulation for roofing applications. GacoRoofFoam Low GWP F2780 does not contain HFC, HCFC or CFCs.

B. RECOMMENDED USE:

Recommendations and safety considerations for application are outlined in appropriate Spray Guide available at Gaco.com. These suggestions and data are based on information the manufacturer believes 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.

C. APPROVALS:

GacoRoofFoam Low GWP F2780 meets ASTM E108 Class A rating for external fire exposure and exceeds the requirements of ASTM C1029 (Type III). This product is part of multiple system approval by UL and FM 4470 – Class 1. This product is a component of multiple Class A roof assemblies certified per UL 790 and FM 4470.



D. PACKAGED PRODUCT DATA:

GacoRoofFoam Low GWP F2780 consist of two components when in its packaged (liquid) form and has the following characteristics as define in this section:

1. "A" COMPONENT:

Contains: Polymeric Isocyanate.

2. "B" COMPONENT:

Contains: Polyol, Catalysts, Blowing Agents, Fire Retardants and Surfactants.

PROPERTY	TESTING STANDARD	VALUE
VISCOSITY	ASTM D2196 @ 77 °F (25 °C)	"A" COMPONENT: 200 ± 50 cps
		"B" COMPONENT: 1150 ± 250 cps
SPECIFIC GRAVITY	ASTM D1638 @ 77 °F (25 °C)	"A" COMPONENT: 1.23
		"B" COMPONENT: 1.2
DENSITY	ASTM D1622-20 @ 77 °F (25 °C)	"A" COMPONENT: 10.3 lb / gal (4.7 kg / 3.8 L)
		"B" COMPONENT: 10 lb / gal (4.5 kg / 3.8 L)
MIXING RATIO (BY VOLUME)	N/A	"A" & "B" COMPONENT: 1 : 1
STORAGE STABILITY	ASTM N/A @ 50 – 77 °F (10 – 25 °C)	"A" COMPONENT: 6 months
		"B" COMPONENT: 6 months

E. PHYSICAL PROPERTIES:

PROPERTY	TESTING STANDARD	RESULT
NOMINAL DENSITY – SPRAYED-IN-PLACE	ASTM D1622 @ 77 °F (25 °C)	2.7 – 3.4 pcf
R-VALUE – INITIAL	ASTM C518 @ 1 in (25.4 mm)	6.5 h·ft ² ·°F/btu
R-VALUE – AGED	ASTM C518 @ 1 in (25.4 mm)	5.7 h·ft ² ·°F/btu
COMPRESSIVE STRENGTH – PARALLEL TO RISE	ASTM D1621 @ 77 °F (25 °C)	50 psi (0.35 MPa)
TENSILE STRENGTH	ASTM D1623 @ 77 °F (25 °C)	69 psi (0.48 MPa)
SHEAR STRENGTH	ASTM C273	37 psi (0.26 MPa)
WATER VAPOR PERMEABILITY	ASTM E96 Desiccant Method @ 77 °F (25 °C)	1.1 perm in
DIMENSIONAL STABILITY – 28 DAYS	ASTM D2126 @ 160 °F (71.1 °C), 100 % RH	3 % Change in Volume
WATER ABSORPTION	ASTM D2842	0 % Change in Volume
CLOSED CELL CONTENT	ASTM D2856C @ 77 °F (25 °C)	91 %
SPREAD OF FLAME	ASTM E84 (UL723)	25 Flame Spread Index
RECOMMENDED SERVICE TEMPERATURE RANGE	N/A	-40 – 200 °F (-40 – 93 °C)

F. APPLICATION:

STEP	INSTRUCTIONS
SURFACE PREPARATION	This system can be sprayed on clean, dry substrates down to 45 °F (7 °C). GacoRoofFoam Low GWP F2780 must not be applied if the temperature during application is less than 5 °F (2.8 °C) above the dew point.
APPLICATION	<p>To ensure optimum performance, a minimum pass thickness of 0.75 in (190 mm) is recommended, with the maximum not to exceed 1.5 in (38 mm) per pass. It is recommended that the resin side pre-heater be set 10 – 15 °F (5.6 – 8.3 °C) warmer than the Isocyanate side to equalize component viscosities. Maximum spray equipment temperature setting is 130 °F (54 °C).</p> <p>NOTE: All hot work (i.e. welding, torches and open flames) 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 as it presents an immediate and present fire hazard danger.</p> <p>For additional information, please consult the appropriate Spray Guide available at Gaco.com.</p>

G. LIMITATIONS:

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.

** For specific Health and Safety information please refer to applicable Safety Data Sheet (SDS)*