

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoRoofFoam™ 2733

December 2016

Supersedes 6/16

GacoRoofFoam™ SYSTEM 2733

DESCRIPTION:

GacoRoofFoam F2733 is an HFC blown (zero-ozone depleting) liquid spray system that cures to a medium-density rigid polyurethane insulation for roofing applications. GacoRoofFoam 2733 does not contain CFCs, HCFCs or other gases harmful to the ozone layer.

TECHNICAL INFORMATION:

GacoRoofFoam 2733 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. GacoRoofFoam F2733 has a severe hail rating when combined with GacoFlex S2100.

APPLIED PRODUCT DATA:

| Property | Test Temp. | ASTM Test | Value* | Unit |
|---|----------------------|-------------------------|---|--|
| Nominal Density: Sprayed-in-Place | 77°F (25°C) | D1622 | 2.7 - 3.4 | lbs/ft ³ |
| Aged R-Value | | C518 | R-6.5 at 1" R-25 at 3.5" | h·ft ² ·°F/Btu h·ft ² ·°F/Btu |
| Compressive Strength: Parallel to Rise | 77°F (25°C) | D1621 | 53.7 | psi |
| Tensile Strength | 77°F (25°C) | D1623 | 60.2 | psi |
| Shear | | C273 | 44.1 | psi |
| Water Vapor Transmission | 77°F (25°C) | E96 Desiccant Method | 0.98 | perm-in |
| Dimensional Stability (28 Day) | 158°F (70°C), 97% RH | D2126 | Width 0.01 Length 0.00 Depth 0.00 | % linear change |
| Water Absorption | | D2842 | 0.5 Pass | % |
| Closed Cell Content | 77°F (25°C) | D2856C | 98.2 | % |
| Spread of Flame | | E84 UL723 | 35 | Flame Spread Index |
| Recommended Service Temperature Range | | | -40°F (-40°C) to 200°F (93°C) | |



To ensure optimum performance, a minimum pass thickness of 3/4" (1.90 cm) is recommended with the maximum not to exceed 1.5" (4 cm) per pass. It is recommended that the resin side pre-heater be set 10-15°F warmer than the Isocyanate side to equalize component viscosities. Maximum spray equipment temperature setting is 130°F (54°C).

This system can be sprayed on clean dry substrates down to 45°F (7°C). GacoRoofFoam 2733 must not be applied if the temperature during application is less than 5 degrees above the dew point.

For additional information, please consult Gaco Western's GW 6-2 GacoRoofFoam Spray Guide.

TYPICAL LIQUID CHEMICAL PROPERTIES

"A" Component contains polymeric isocyanate.

"B" Component contains polyol, catalysts and blowing agents.

| Property | Test Temp. | ASTM Test | Value | Unit |
|--|-------------|-----------|---|-----------|
| Viscosity | 77°F (25°C) | D2196 | "A" Component: 200 ± 50 "B" Component: 1150 ± 50 | cps |
| Specific Gravity | 77°F (25°C) | D1638 | "A" Component: 1.23 "B" Component: 1.17 | S.G. |
| Weight/Gallon | 77°F (25°C) | | "A" Component: 10.34 "B" Component: 9.8 | lbs/gal |
| 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 "B" Component: 3 | months |

NOTE: All hot work, i.e. welding, torches and open flame work 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.

Recommendations and safety considerations for application are outlined in Gaco Western's Spray Guide SG-GacoRoofFoam. The aforementioned information on this product is to be used as a guide and is subject to change without notice. These suggestions and data are based on information we believe 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.

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For specific Safety and Health information please refer to Safety Data Sheet.

