

PF-100 Gun Foam (LOW EXPANSION)

ALL WEATHER



UltraSeal® PF-100 Gun Foam is an **All Weather**, low expansion, UL classified, one-component polyurethane foam designed for use in extreme temperatures and low humidity conditions, general sealing of gaps, holes and crevices. It is designed to be used with any one of the UltraSeal® Professional Foam Dispensers.

UltraSeal® PF-100 low expansion feature greatly reduces the time for post cure clean up and trimming if installed correctly. It forms a superior air seal which prevents heat loss, noticeable drafts and is ideal for a variety of application areas. PF-100 adheres to many substrates and can be easily installed with any one of NUCO's line of dispensing foam guns.

FEATURES & TYPICAL USES:

UltraSeal® PF-100 is ideal for applications in cold weather climates. A one component low expansion foam that is UL classified. It is the ideal product to seal, fill, & insulate around joints, beneath base plates, mud sills, top plate penetrations, corner joints, T-joints, exterior cracks, around utility panels, pipes and duct penetrations.

SURFACE PREPARATION & APPLICATION:

Surfaces should be free of dust, oil, grease, frost, and loose debris which may impair bond. Dampness will not impair bond. For maximum yield the temperature of the UltraSeal® PF-100 All Weather container should be 20°C (68°F). Minimum application temperature is -18°C (00.5°F). Colder temperatures lengthen curing time but will not affect the Ultra Seal PF-100 All Weather properties when fully cured. When applying Ultra Seal PF-100 All Weather follow the instructions on the container. Fill gaps, cracks and holes with the sealant making allowance for post expansion (fill cavities to 30% of volume). Multiple layers may be necessary in large cavities, with successive layers being allowed to expand and cure before the next layer is applied. Curing may be accelerated by spray misting the surrounding surface with water prior to application of the foam.

CAUTION:

The propellant is extremely flammable during dispensing and cure. Provide cross-ventilation to remove any buildup of vapours. Contents under pressure. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 49°C (120°F). **Keep out of reach of children.** Do not leave container in a closed area such as a motor vehicle, especially in the summer heat. Foam produced is combustible and may constitute a fire hazard if improperly used. **Important:** Use only in well ventilated areas. Wear impervious gloves, eye protection, and protective clothing when using. Read all instructions and safety information (MSDS) prior to use of any product. **First Aid:** Non-toxic under normal conditions. Treat as a mild irritant to skin. Flush eyes with water and see a physician. Product contains polymeric diisocyanate.

SPECIFICATIONS:

Ultra Seal PF-100 All Weather meets Underwriters Laboratories Inc. Caulking and Sealants applied to inorganic reinforced cement board + Flame spread 25, Smoke Developed 50. ODP (ozone depletion potentials): contains non-ozone depleting, hydrocarbon propellant; VOC Content: Contains less than 20% by weight VOC's.

SHELF-LIFE & STORAGE:

UltraSeal® PF-100 All Weather is an aerosol material and must be kept below 49°C (120°F). **Notice to purchaser:** UltraSeal® PF-100 All weather is guaranteed to conform to product specifications, if used by the expiry date imprinted on each aerosol container (12 months after manufacture).

MANUFACTURED BY:

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FEATURES:

- Extreme climate foam (-18°C).
- Closed cell structure reduces unwanted air & insect infiltration.
- Helps reduce energy consumption.
- Freeze – thaw stable.
- Reusable when stored properly.
- Low expansion foam.

AVAILABLE SIZES & COLOUR:

- 24oz (680g) can
- 29oz. (820g) can
- 12 cans / case; 64 cases / skid
- 16lb tank (with or without hose assembly)
- 60 tanks / skid
- Foam is a creamy colour

WARRANTY INFORMATION:

NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.



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YIELDS:

Size	1/4" (6.3mm)	3/8" (9.5mm)	1/2" (12.7mm)
24oz	4,403 ft.	1,957 ft.	1,101 ft.
	1,342 m	596 m	336 m
29oz	5,313 ft.	2,361 ft.	1,328 ft.
	1,619 m	720 m	405 m

• Volume:

- 24oz. = 42 L (1.5ft³)
- 29oz. = 51 L (1.81ft³)
- *Yields are based on theoretical calculations for comparison purposes only & will vary depending on ambient conditions and particular applications.*

APPROVALS & STANDARDS:

- UL Classified – File #R13919 Caulking & Sealants, ASTM E-84 (12.5%), Flame Spread 25 / Smoke Developed 50
- ODP (Ozone Depletion Potential): Contains non-ozone depleting, hydrocarbon propellant
- VOC Content: Contains less than 20% by weight VOC's

TYPICAL PROPERTIES:

These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
Application temperature:	-18°C to 46°C (00.5°F to 115°F)
Density:	1.0 lbs./ft ³ (17.6 kg/m ³)
R-Factor (aged):	4 – 5 per inch (.03 w/m.k.) typically
Close Cell Content:	(ASTM D-2856) > 70%
Tack-Free Time 21°C (70°F) and 40% R.H.:	Approx. 10 minutes
Cutttable (1" Bead at room temp.):	<1 hour
Cure Time:	12 - 24 hours
Air Barrier Properties: (ASTM E-283)	
@ 6.24 psf (300 Pa)	<0.01 cfm/ft ² (0.05 L/s/m ²)
@ 1.57 psf (75 Pa)	<0.0025 cfm/ft ² (0.0125 L/s/m ²)

DISCLOSURE

The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS of SALE which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

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