

UltraSeal® PF-100 EXTREME ALL-WEATHER GUN FOAM



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. PF-100 can be applied in temperatures as low as -18°C.

■ FEATURES & TYPICAL USES:

Features:

- All-weather performance (down to -18°C)
- Excellent bead control
- Majority closed cell structure
- Low expansion (won't bow windows or doors)
- Reusable when stored properly
- UL classified

Bonds To:

- Most construction substrates
- Wood
- Metal
- Brick & mortar
- Concrete & stone
- Most plastics

Basic uses include:

1. Sealing around windows & doors
2. General gap, crack, and crevice filling / sealing
3. Sealing unrated pipe & duct penetrations

■ SURFACE PREPARATION & APPLICATION:

Before Use: Read the label in its entirety.

Surface Preparation:

- Surfaces must be structurally sound, clean, dry, and free from oil, grease, frost, dirt, or any other material and membranes that may deter adhesion. Dampness will not impair bond.
- For maximum yield the temperature of the can and contents should be 20°C (68°F).

Application:

1. Minimum application temperature is -18°C (0°F). Colder temperatures lengthen curing time.
2. Follow all instructions on the label.
3. Fill gaps, cracks, crevices, and holes to 30% of volume with foam making allowance for post expansion.
4. Multiple layers will be necessary in large cavities, with successive layers being allowed to expand and cure before the next layer is applied.

Cure:

- Full cure time is between 12 - 24 hours.
- Cure time is affected by humidity, degree of confinement, and cross-sectional thickness of the material.

Clean-up:

1. Uncured UltraSeal® PF-100 Polyurethane Foam can be dissolved with UltraSeal® PF-10 Foam Cleaner
2. Alternatively use a cloth saturated with mineral spirits, acetone, or denatured alcohol to wipe away any remaining foam.
3. Clean surface with soap and water if possible.



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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
As Supplied...	
Type:	One part polyurethane foam
Cure method:	Moisture cure
Application temperature range (°C (°F)):	-18° to 46°C (0° to 115°F)
Cure time 1/8" bead (25°C (77°F)) and 50% relative humidity:	12 - 24 hours
Tack free time:	~10 minutes
Cutable (1" bead)	<1 hour
As Cured - Physical - after 7 days at 25°C (77°F) and 50% relative humidity...	
Density:	1.0 lbs./ft ³ (17.6 kg/m ³)
R-Factor (aged):	4-5 per inch (.03 w/m.k.)
ASTM E-283 - Air Barrier Properties:	1.9 (275)
at 6.24 psf (300 pa)	<0.01 cfm/ft ²
at 1.57 psf (75 Pa)	<0.0025 cfm/ft ²
ASTM D-2856 - Closed Cell Content	>70%

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LIMITATIONS:

- Do not use below-grade
- Cured foam should be protected against UV rays (i.e. sunlight) by painting or staining to prevent long term dis-colouration or degradation.

STORAGE AND SHELF LIFE:

- Shelf life is 12 months from the date of manufacture when stored in a clean, dry area.
- Store between 4° to 32°C (40° to 90°F).
- Do not allow material to freeze or exceed 49°C (120°F)

ADDITIONAL NOTES:

- Ultra Seal PF-100 All Weather Sealant is water resistant and will not harm electrical wire insulations, Romex, rubber, PVC, polyethylene or other plastic (i.e.PEX, CPVC).
- It is approved for use around wires, plumbing penetrations, etc.
- When cured, polyurethane foam is permanent, non-toxic, chemically inert, non-reactive and stable for an indefinite period of time.

CAUTION:

- The propellant is extremely flammable during dispensing and cure. Provide cross-ventilation to remove any build-up of vapours.
- Contents under pressure.
- Do not place in hot water or near radiators, stoves or other sources of heat.
- Do not leave container in a closed area such as a motor vehicle, especially in the summer heat
- Avoid skin contact and DO NOT ingest.
- Consult Safety Data Sheet.

MANUFACTURER INFORMATION:

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SPECIFICATIONS:

UltraSeal® PF-100 Gun Foam meets:

- UltraSeal® PF-100 has achieved GREENGUARD GOLD Certification
- 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

LIMITED WARRANTY INFO:

NUCO Inc., warrants only that its product will meet its specifications for a period of 12 months following date of manufacture. NUCO shall in no event be liable for incidental or consequential damage, or improper storage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.



AVAILABLE SIZES & COLOURS:

SKU	Size	R-Value	Volume
71600	680 g (24 oz.)	4-5 per inch	42 L (1.5 ft ³)
71900	820 g (29 oz.)	4-5 per inch	51 L (1.81 ft ³)

THEORETICAL YIELD: Approx. linear feet

	Joint Width		
	1/4"	3/8"	1/2"
680 g (24 oz.)	4,403 ft.	1,957 ft.	1,101 ft.
820 g (29 oz.)	5,913 ft.	2,361 ft.	1,328 ft.

Yields are based on theoretical calculations for comparison purposes only & will vary depending on ambient conditions and particular applications.