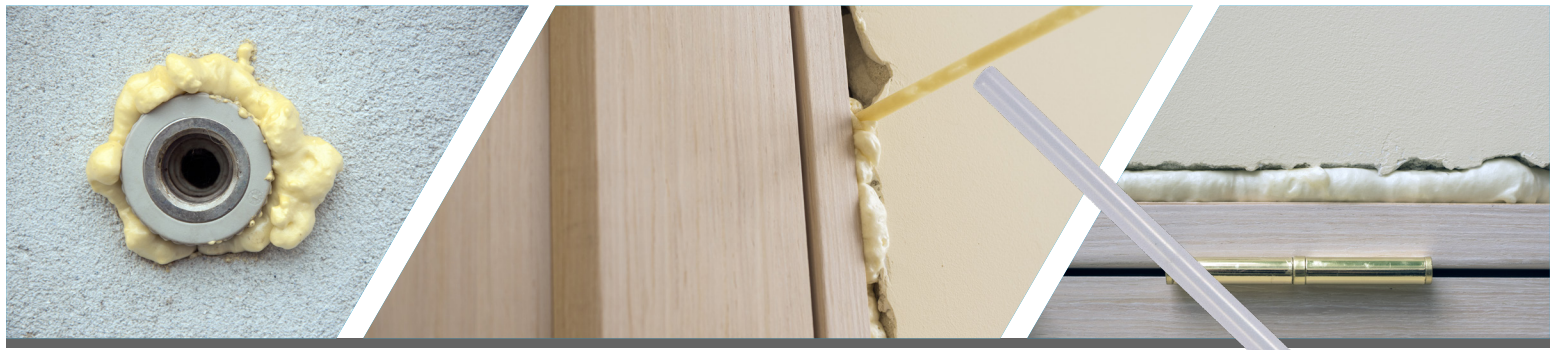# UltraSeal® PF-50 EXTREME ALL-WEATHER STRAW FOAM

UltraSeal® PF-50 Straw Foam is an All-Weather, low expansion, one-component polyurethane foam that is UL classified and designed for use in extreme temperatures and low humidity conditions. PF-50 All Weather is to be used with a straw dispenser. It is ideal for general sealing of gaps, holes and crevices. UltraSeal® PF-50 All Weather is a foam system that does not require a gun dispenser for use.

■ FEATURES & TYPICAL USES:

Features:
- All-weather performance (down to -18°C)
- No gun needed
- Excellent bead control
- Majority closed cell structure
- Low expansion (won't bow windows or doors)
- UL classified

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

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

■ 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-50 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.

ULTRASEAL®
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UltraSeal® PF-50 EXTREME ALL-WEATHER STRAW FOAM

■ 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
Cuttable (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%

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 theses statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

■ SPECIFICATIONS:

UltraSeal® PF-50 Straw Foam meets:
- UltraSeal® PF-50 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.

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

■ 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-50 All Weather Straw Foam 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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Guelph, ON N1K 1N5   F: 519-823-1099   E: info@nucoinc.com

AVAILABLE SIZES & COLOURS:

SKU	Size	R-Value	Volume
70300	340 g (24 oz.)	4-5 per inch	19 L (0.68 ft^3)
70600	680 g (24 oz.)	4-5 per inch	39 L (1.36 ft^3)

THEORETICAL YIELD: Approx. linear feet

	Joint Width		
	1/4"	**3/8"**	**1/2"**
340 g (12 oz.)	1,996 ft.	877 ft.	499 ft.
680 g (24 oz.)	3,992 ft.	1,771 ft.	998 ft.

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