

PRO Installer®

E2S™ EXTERIOR ENVELOPE SYSTEM™

4300 Mold Resistant Polyurethane Foam Sealant

4310 Gun Cleaner

4300 Foam Sealant

Description:

A versatile grade of polyurethane foam in an aerosol can used to fill, insulate and reduce air infiltration, preventing heat loss in a variety of applications. One, component moisture-cure foam sealant with a (H)CFC free propellant.

Advantages:

- ▶ Low pressure to help distortion of window frames
- ▶ Paintable, moisture curing
- ▶ Fast application rate
- ▶ Excellent adhesion to most surfaces
- ▶ Temperature, water and chemical resistant
- ▶ Contains formaldehyde
- ▶ UL Classified

Typical Uses:

- ▶ For filling and insulating of joints, cracks and cavities around and between windows or doors
- ▶ Partitions walls and ceilings
- ▶ Seams between chimneys, roof protection, roof panels and wall panels
- ▶ Through penetrations around cables, pipes, voids, foundation and plumbing.
- ▶ Air sealing

Specification Compliance:

- Meets CA-25-4
- California Air Resource Board Method 310
 - UL Classified: Class I rated
 - ASTM E 84
- Flame spread 5
- Smoke Development 20

Surface Preparation:

Surfaces should be dry, free from dust and grease. 4300 has excellent adhesion to concrete, masonry, stone, plaster, wood, fiber cement and metals. Porous surface should be pre-moistened with a fine mist of water.

Packaging:

12-24 fl. Oz can per case

Joint Design:

Using the gun trigger and adjustment screw can control the dispensed volume of the foam. Joints and cavities should only be filled up to 70%. When filling deep holes and joints the seam should be applied at short intervals of 1-2 hours.

Typical Properties:

Property	Value	Test Method
Color	Tan	
Density	0.94 lb/ft ³ – 1.6 lb/ft ³	SM Determination
Thermal Conductivity	0.22 – 0.26 Btu-in/hr-°F-ft ³	ASTM C 518
Thermal Conductivity (R Value)	3.8 – 4.5 hr-°F-ft ³ /Btu	ASTM C 518
Tack Free	10 Min.	SM Determination
Air Infiltration	<0.1 cfm/ft ³ @1.56 6.24 psf	ASTM E 283
Fully Cured	24 Hours	SM Determination
Yield	11 Gallons freely foamed	SM Determination
Can be Cut	45 Min.	SM Determination
Service Temperature	-40°F – 195°F (-40°C – 91°C)	
Foaming	+30% Not Premoistened +40 Premoistened	

Application:

A clean rag, 4301 gun applicator, 4310 gun cleaner, utility knife, gloves and goggles are recommended to aid in using this product.

1. Prior to use, read directions on label of canister. First time users of 4300 should familiarize themselves with the extrusion and expansion rates of the foam prior to use. Protect adjacent areas with a drop cloth.
2. Determine that application temperature is between 40°F and 95°F.

3. Shake can vigorously before attaching to gun applicator, (20-30 times).
4. Clean all surfaces with a clean rag and remove loose debris in cavity.
5. Screw can on gun applicator, ensuring a tightly threaded fit. Do not over tighten gun to can.
6. Pull trigger to dispense foam, controlling extrusion rate with trigger pressure.
7. Allow foam to fully cure before installing trim around windows and doors. Excess foam can be removed with a razor knife. Uncured foam can be removed using 4310 gun cleaner.

Application Limitations:

- ▶ 4300 is not UV resistant, exposed foam should be painted.
- ▶ Do not use in areas with poor ventilation
- ▶ For best results condition foam to room temperature.
- ▶ Do not overfill cavities.
- ▶ Do not disturb freshly dispensed foam as it will collapse.

Precautions:

Use in well ventilated areas. Refer to Material Safety Data Sheet for further safety information. MSDS can be obtained by contacting PRO Installer customer service at 800-878-7876.

4310 Gun Cleaner

Description:

A multi-purpose cleaner intended for use as an internal cleaning agent of the 4300 Polyurethane Foam dispensing units. This cleaning agent is ideal for uncured foam and cleaning can valves.

Material:

Acetone based cleaning agent with an ozone friendly propellant.

Unique Properties:

- ▶ Contains no CFC's or HCFC's
- ▶ Effectively removes uncured polyurethane
- ▶ Spray pattern is effective from any can position

Directions for use as a spray cleaner:

Remove cap and attach red spray nozzle to the valve. Aim spray nozzle toward area to be cleaned. Press spray nozzle to dispense product. Wipe area dry with a clean rag. After usage remove red spray nozzle and place cap securely on the can.

Directions for use as a gun cleaner:

Attach the cleaner to the dispensing unit, ensuring a secure fit on the treaded valve.

Gently pull the trigger on the dispensing unit until a light spray is visible. After pulling the trigger several times or until the foam is no longer visible within the mist spray. The cleaner should remain on the gun for approximately 15 minutes. Pull the trigger again to ensure the system is clear. The dispensing unit is now ready for use or storage.

Precautions:

- ▶ Do not over tighten cleaner to dispensing unit.
- ▶ Cured foam must be removed mechanically.
- ▶ Test the area the product will be sprayed on with a small sample, to ensure, compatibility.

Storage:

Keep away from radiant heat and direct sunlight for extended periods of time. Do not allow can to exceed temperatures above 120°F. Contents are under pressure and extremely flammable. Store in a cool dry area. Ideal storage temperature is 50- 86°F.

Application Recommendations:

- ▶ Spray basket and tip of gun prior to connecting cleaner.
- ▶ Spray threads in the basket of gun dispenser with Teflon[®] spray to extend longevity of dispensing unit.

Health and Safety Recommendations:

- ▶ Do not use near open flames or while smoking.
- ▶ Do not expose product to sources of ignition.
- ▶ Wear gloves, eye protection and use in a well-ventilated area.
- ▶ Read text on label, MSDS and data sheet before using.

PRO INSTALLER® WINDOW AND DOOR INSTALLATION SYSTEM LIMITED WARRANTY:

PRO INSTALLER® WARRANTS TO THE ORIGINAL RETAIL PURCHASER THAT THE PRO INSTALLER® WINDOW AND DOOR INSTALLATION WILL BE FREE FROM LEAKS CAUSED BY DEFECTS IN THE MATERIAL'S OR MANUFACTURING FOR A PERIOD OF FIFTEEN YEARS (15) FROM THE DATE OF PURCHASE WHEN THE SYSTEM IS INSTALLED ACCORDING TO THE MANUFACTURERS WRITTEN INSTRUCTIONS AND ACCEPTED INDUSTRY STANDARDS. THIS WARRANTY DOES NOT APPLY TO MISAPPLICATION OR POOR WORKMANSHIP IN THE APPLICATION OF THE SYSTEM AND SPECIFICALLY EXCLUDES: (A) NATURAL CAUSES SUCH AS ACTS OF GOD, EARTHQUAKE, LIGHTNING, HURRICANE, FIRE ETC, (B) DISINTEGRATION OF THE UNDERLYING SUBSTRATES, (C) MECHANICAL DAMAGE TO THE SYSTEM CAUSED BY INDIVIDUALS, TOOLS OR OTHER OUTSIDE AGENTS. PRO INSTALLER®S ONLY OBLIGATION SHALL BE TO RE-SUPPLY OR REFUND, AT ITS OPTION, THE PURCHASE PRICE OF THE PORTION OF THE DEFECTIVE SYSTEM WHERE THE LEAKS OCCURRED. PRO INSTALLER® SHALL BE LIABLE FOR NO ADDITIONAL REMEDIES, HEREBY EXPRESSLY DENYING ANY OTHER CLAIMS FOR DAMAGES, WHETHER DIRECT OR INDIRECT, CONSEQUENTIAL OR INCIDENTAL, INCLUDING BUT NOT LIMITED TO PROPERTY DAMAGE, PERSONAL INJURY TO THE BUYER OR TO THIRD PARTIES AND LOSS OF BUSINESS OR PROFIT ARISING FROM THE USE OR INABILITY TO USE THE SYSTEM. ANY IMPLIED WARRANTIES ARISING UNDER STATE LAW ARE LIMITED TO THE DURATION AND TERMS OF THIS EXPRESS WARRANTY.

THIS WARRANTY WILL BE NULL AND VOID IF SYSTEM COMPONENTS MADE BY MANUFACTURERS OTHER THAN PRO INSTALLER® ARE USED AS PART OF THE WINDOW AND DOOR INSTALLATION.

CURRENT SYSTEM COMPONENTS:

PRO INSTALLER® 7100 POLYURETHANE INSTALLATION SEALANT
PRO INSTALLER® 3300 FLASHING PRODUCT LINE, SAF™, PROSAF™, PROSAF™flex, PRO Flash™
PRO INSTALLER® 4300 POLYURETHANE AIR AND ENERGY POLYURETHANE FOAM
PRO INSTALLER® Mold Blocker™ Housewrap

ANY FUTURE SYSTEM COMPONENTS WILL ALSO BE COVERED BY THE ABOVE LIMITED WARRANTY.

Pro Installer®

Manufactured By:

Schnee-Morehead®, Inc.

111 North Nursery Road

Irving, Texas 75060

Phone: 972-438-9111 Fax: 972-554-3939

www.pro-installer.com