

BISSETT CYCLONE WINDOW, DOOR, & GAP FOAM



Bissett Cyclone urethane foam seals and insulates for window, door, and gap applications. Bissett Cyclone is AAMA approved, and its unique formula ensures your windows and doors stay sealed during construction and climate changes. With Bissett Cyclone, you can be sure that your foam is professional grade so you can build with confidence.

BENEFITS

- Minimal expansion technology
 - More R-value per inch compared to fiberglass insulation
- Contributes to LEED's energy saving standards

APPLICATION

Used for sealing window and door frames Used for filling spaces, cracks, gaps, etc. Thermal insulation, Acoustic insulation



SPECIFICATIONS

For all sizes of standard foam.

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BASIC COMPONENT	Polyurethane
DENSITY (KG/M3)	18±5
EXPANDING TIME (MINUTES)	~60
TACK FREE TIME (MINUTES)	~10
CUT-ABLE (20MM DIA) TIME (MINUTES)	~30
PROCESSING TEMPERATURE (°C)	+5~+35
OPTIMUM TEMPERATURE (°C)	+18~+25
LOWEST PROCESSING TEMPERATURE (°C)	5
LOWEST CAN TEMPERATURE (°C)	10
ADHESIVENESS (KPA) (with aluminum panel)	140
STABLE OF SIZE	±5%
WATER PERMEABILITY	NO
TEMPERATURE ENDURANCE (LONG PERIOD) (°C)	-30~+110
FORMALDEHYDE OR BENZENE	NO
HEAT-TRANSMITTING INDEX (W/M.K)	0.039
ANTI-ERODEDNESS	YES
TOXICITY AFTER CURED	NO
EXTENDED SHELF LIFE (18~22 °C) (Keep Can Vertical) (MONTH)	12

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PREPARATION

SURFACE PREPARATION

- The working surface should be clean and free of any dust, oil, grease, etc.
- Cover and protect surfaces not intended for foam exposure.

PRODUCT PREPARATION

- If necessary, the product should be brought to room temperature; e.g. by immersion in warm water (max temp up to 86°F (+30°C)), or by allowing the product to warm to room temperature for at least 24 hours.
- The tool temperature cannot be lower than the can temperature.
- Always use protective gloves, mask and glasses.
- Always shake the can vigorously for 30-45 seconds before use.
- Remove the protective cap, invert the can, and screw the can firmly onto the tool using the plastic collar. Do not over tighten.
- Maintain the can in an upside-down, inverted position during the application.
- Adjust the control knob on the tool handle to achieve the desired application flow. Point the tool into a trash can and slowly pull the trigger to test dispensing flow rate until desired bead size is determined.

PREPARATION

- Always dispense the product with the can inverted, valve down.
- While applying the foam, maintain a consistent pulling motion with the tool tip leading the direction the foam will be applied.
- Vertical gaps should be filled with the foam starting at the bottom and moving up.
- Do not fill the entire gap, the foam will increase in volume.
- If the application of the foam is delayed for more than 5 minutes, clean the tool tip with Bissett Cyclone Foam Cleaner and vigorously shake the can prior to resuming application.
- Sealing gaps greater than 1.18 inches (3 cm) is not recommended. Sealing of gaps greater than 1.97 inches (5 cm) is not permitted. Gaps wider than 1.18 inches and less than 1.97 inches should be filled from the bottom to the top, in a zigzag pattern.
- Upon finishing the application, tighten the control knob, clean the tool tip with Bissett Cyclone Foam Cleaner leaving the tool attached and store the can in an upright position.

WORKS AFTER COMPLETION OF APPLICATION

- Cured foam will be damaged when exposed to UV rays. Protect cured foam by covering or painting.
- After completion of work, the Bissett tool should be thoroughly cleaned using Bissett Cyclone Foam Cleaner.
- When the can is empty, tighten the control knob, unscrew the can from the tool and spray the tip and basket of the tool with the cleaner. Then screw on the can of the cleaner, open the control knob and squeeze the trigger until clear foam cleaner solution is flowing out of the tool. Tighten the control knob to ensure no air will enter the barrel of the tool and unscrew the foam cleaner from the tool.

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RESTRICTIONS

- Doors and Windows should be connected to structural framing according to the manufacturer's recommendations. Use of this product does not reduce the requirement of mechanical fasteners specified by window and door manufacturers.
- Always leave the can on the tool until a new can is needed to continue or start a new application. The can should only be removed when empty and a new can is needed to complete the same job.
- Ensure the control knob is tightened when the product is not in use. Air entering the barrel of the tool for more than 2-3 minutes will decrease the efficiency and life of your tool.
- The curing of the product is dependent on temperature and humidity. A significant decrease in temperature within 24 hours of application can affect the product's properties and adhesion.
- Use opened product within 30 days.
- The product will not adhere to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Quality and condition of the tool can impact the performance of the foam. Uncured foam can be removed with Bissett Cyclone Foam Cleaner.
- Hardened foam may be removed mechanically (e.g. with a knife).
- For the safety of the installer, always ensure access to adequate ventilation during the application of polyurethane foams.
- A Bissett Cyclone tool applicator must be used to keep this products' warranty.

FIRST-AID MEASURES

EYE CONTACT

- Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
- Check for and remove any contact lenses.
- Continue to rinse for at least 20 minutes.
- Get medical attention.

INHALATION

- Get medical attention immediately. Call a poison center or physician.
- Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
- The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.

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FIRST-AID MEASURES - CONTINUED

SKIN CONTACT

- Wash with plenty of soap and water. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Continue to rinse for at least 20 minutes.
- Get medical attention. In case of contact with liquid, warm frozen tissues slowly with lukewarm water and get medical attention. Do not rub affected area.
- In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION

- Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
- Ingestion of liquid can cause burns similar to frostbite. If frostbite occurs, get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. As this product rapidly becomes a gas when released, refer to the inhalation section.

**All parameters are based on tests compliant with manufacturer's internal standards and are highly dependent on environmental conditions during application and curing of the foam (ambient and surface temperatures, condition of tool and the skill of the installer). Initial trimming of foam is based on the Cut time specified per product. If the Cut time is not specified, trimming is only to be attempted after the foam is fully cured. Bissett Cyclone uses test methods approved by FEICA, designed to deliver transparent and reproducible test results and to ensure that customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com> (Our industry -> PU Foam (OCF) -> OCF Test Methods). FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers.*

TRANSPORT & STORAGE

The foam maintains its usability within 18 months from the manufacturing date, provided that it is stored in the original packaging in a vertical position (valve facing up) in a dry place at a temperature from 41°F (+5°C) to 86°F (+30°C). Storage at a temperature exceeding 86°F (+30°C) shortens the shelf life of the product, adversely affecting its parameters. The product may be stored at a temperature of 23°F (-5°C), no longer than for 7 days (excluding transport). Storage of foam cans in temperatures exceeding 122°F (+50°C) or in the vicinity of open flame is not allowed. Storage of the product in a position other than recommended may result in jamming the valve. The can should not be squeezed or pierced even when it is empty. Do not store the foam in the passenger compartment. Transported only in the trunk.

**Detailed transport information is included in the Safety Data Sheet (SDS).*

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SAFETY AND HEALTH PRECAUTIONS

The information contained herein is offered in good faith based on Producer's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Producer's products are fully satisfactory for your specific applications. Producer's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Producer specifically disclaims any other expressed or implied warranty of fitness for a particular purpose or merchantability. Producer disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

CONTACT

For any additional questions or concerns, please contact Bissett Fasteners Head Office.

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Hours of Operation: Mon-Fri, 7:00am-4:30pm. Closed on holidays.