



OLYBOND500®

Canisters (1 of 2)

Description

OlyBond500® Canisters is a two-component, low-rise polyurethane foam roofing adhesive designed to adhere a variety of insulation and cover board stocks to most roof substrates in both new and reroof applications, including jobs that require multiple insulation layers. The canister system can also be used for securing fleece-back single-ply membranes.

Features and Benefits

- Low odor and has low VOC levels
- Fast start-up and shutdown to help boost productivity
- Can adhere up to 24 squares of fleece-back membrane and up to 35 squares per set for insulation attachment, when installed in accordance with GAF's application instructions. Results may vary depending upon application temperature range, porosity of substrate and insulation boards, type of substrate, bead size, etc.
- Can be applied in temperatures ranging from 40°F to 100°F (4°C to 38°C) for year-round use
- Comes with a disposable 25-foot (7.62 m) hose and gun assembly, six (6) mixing tips, and three (3) 17-in. (431.8 mm) tip extenders for a wide-reach radius on the roof
- Gun assembly has a trigger lock to prevent accidental dispensing
- Does not require any additional application equipment
- Can provide a productive application method for installing insulation and cover boards and fleece-back single-ply membranes

Properly Evaluated and Prepared*

Roof decks and substrates:

- Structural concrete
- Gypsum
- Cementitious wood fiber plank
- Lightweight insulating concrete
- Steel (22 gauge or thicker with approved cross section)
- Plywood (5/8" [15.9 mm] thick min.)
- Smooth and granule-surfaced BUR
- Smooth and granule-surfaced modified bitumen
- Existing sprayed-in-place polyurethane foam (properly prepared)
- Base sheets
- Most vapor barriers (including asphaltic and fleece-top)

Roof insulation and cover board:

- Polyisocyanurate and HD polyisocyanurate (4 ft. x 4 ft. boards only)
- Expanded polystyrene
- High-density wood fiber
- Gypsum cover boards
- Perlite
- Certain extruded polystyrene

Manufactured by:



For information on the application and use of this product, contact GAF Technical Support at 1-877-GAF-ROOF or technicalquestions@gaf.com.

Codes



Refer to UL Product iQ (iq.ulprospector.com/info/) for actual assemblies.

Refer to FM Approvals at RoofNav.com for actual assemblies.

Accessories – optional

- Gun and Hose Replacement Kit - 5 lb. (2.27 kg)
- Bag of Ten (10) Mixing Tips - 3 lb. (1.36 kg)
- Ten (10) Mix Tip Extension Tubes - 2 lb. (0.91 kg)

Partially used canisters:

- Turn the valves to their OFF position
- Do not drain the chemical from the hoses
- Slide safety on the applicator gun to the LOCKED position
- Remove old nozzle, but do not throw away. Clean off end of gun to ensure chemical exits are not obstructed. Apply fresh lubricant to the black rubber O-ring. Reattach old nozzle, which, clogged with adhesive, will keep air and moisture out of the lines.
- Remaining contents must be dispensed within 30 days of the date of initial use
- After every seven days without use, dispense a small amount of chemical to prevent crystallization from occurring in hoses
- Do not transfer used hoses to a new canister set, in order to prevent cross-contamination

THIS PRODUCT IS FOR PROFESSIONAL AND OUTDOOR USE ONLY. KEEP ALL ADHESIVE CANISTERS OUT OF REACH OF CHILDREN.

OlyBond® is a registered trademark of OMG, Inc.

*For complete substrate preparation and application instructions, please consult the applicable system installation and specification manual available at gaf.com.



OLYBOND500®

Canisters (2 of 2)

Properties/Characteristics/Packaging: Table 1

OlyBond500® Canisters	
Ambient/Substrate Install Temperature	40°F (4.4°C) and rising
Product Install Temperature	Canisters must be between 70°F – 90°F (21.1°C – 35°C)*
Storage Temperature	Cool, dry 60°F – 90°F (15.6°C – 35°C)
Coverage Rate per Case/Set at 12" (305 mm) o.c. to Polyiso & Spatter Pattern to Fleece-Back TPO/PVC Membrane (See Table 2 below)	Per Set: Up to 24 Sq. for Fleece-Back Membrane*** Up to 35 Sq. for Insulation***
Tack Time/Set-Up Time @ approx. 70°F (21.1°C)	3 – 5 mins/10 – 12 mins.**
Dispensing Unit	Dual Canister (Part 1 & Part 2) with supplied hose and gun
Packaging	Part 1 Canister (Includes 25 ft. Hose/Gun/6 Tips/3 Tip Extenders) Part 2 Canister
VOC Content	25 grams/L (mixing using US EPA Test Method 24)
Weight	Part 1 Canister 48 lb. (21.77 kg) Part 2 Canister 44 lb. (19.96 kg)
Shelf Life	12 months from date of manufacture in unopened containers.

* Prior to application, store for approx. 36 to 72 hours at room temperature.

** Values stated are approximate and may vary based on ambient temperature. These values are not guaranteed and are provided solely as a guide.

*** When installed in accordance with GAF's application instructions. Results may vary depending upon application temperature range, porosity of substrate and insulation boards, type of substrate, bead size, etc.

Properties/Characteristics/Packaging: Table 2

Ribbon Application (Insulation)*			Spatter Application* (Fleece-Back Membrane)
4" (102 mm) on-center	6" (152 mm) on-center	12" (305 mm) on-center	2.83 lb. (1.36 kg) of adhesive per 100 sq. ft. of area
1,000 sq. ft. (92.9 sq. m) coverage*	1,500 sq. ft. (139.35 sq. m) coverage*	3,500 sq. ft. (325.15 sq. m) coverage*	2,400 sq. ft. (222.96 sq. m) coverage*

*When installed in accordance with GAF's application instructions. Results may vary depending upon application temperature range, porosity of substrate and insulation boards, type of substrate, bead size, etc.

Examples of proper adhesive ratio for bead applications for insulation



Without tip extension

With tip extension

Examples of proper adhesive ratio for bead applications

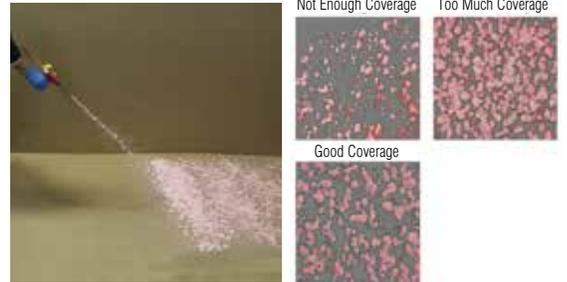


A - On ratio

B - Too much Part 1

C - Too much Part 2

Examples of coverage for spatter patterns for fleece-back membranes



Illustrations are provided for reference only.

For instructions on proper usage of this product, please refer to the EverGuard® TPO/PVC Adhered Roofing System Overview & General Requirements Manual.