

# OlyBond 500™ Application Instructions

## Information Sheet

Updated: 10/04



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## APPLICATION SPECIFICATIONS

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This specification is a brief outline of the OlyBond500™ insulation adhesive requirements and is intended for submittal purposes. Specifiers and contractors must comply with the criteria outlined in the OlyBond500™ Product Data Specification and the Roofing System Manufacturer's Specification and Application Instructions.

### PART I GENERAL

#### 1.01 DESCRIPTION

The OlyBond500™ adhesive insulation attachment system is two-component low-rise polyurethane foam. OlyBond500™ is used to attach insulation to approved substrates or to subsequent layers of insulation. The OlyBond500™ is offered in two sizes:

- The OlyBond500™ Part & Part 2 (5 gallon containers) which are sold individually. Both parts are to be used together with the OlyBond500™ Pace Cart.
- The OlyBond500™ Spot Shot (28 oz tubes) which is sold as a two part set (Part 1 & Part 2). The tube set is to be used with the Spot Shot Application Gun.

#### 1.02 WARRANTY

When the OlyBond500™ adhesive is installed in accordance with these specifications, Olympic Manufacturing Group issues a 10-year limited material warranty on the adhesive. The OlyBond500™ adhesive may also be included in various system warranties issued by the Roofing System Manufacturer; contact the Roofing System Manufacturer directly for more information.

#### 1.03 SUBMITTALS

To obtain a Roofing System Warranty, the installer must contact the Roofing System Manufacturer prior to the start of the project to review and determine the adhesion requirements of the substrate and to ascertain the Manufacturer's procedures and requirements for obtaining a system warranty.

#### 1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

1. Deliver materials to the job site in the original, unopened containers labeling each with the System Manufacturer's name.
2. Keep containers closed and in a well ventilated, cool, dry place.
3. Store between 45° F and 95° F. Protect from freezing. If product does freeze, discard the product.
4. Roofing materials must be stored so they are kept dry and are protected from the elements. Store roofing materials on skids and completely cover with a breathable material, such as a tarp or canvas.

#### 1.05 JOB CONDITIONS

1. Do not apply OlyBond500™ when surface or ambient temperatures are below 40° F
2. On retrofit-recover projects, existing roofing material must be investigated to insure adequate attachment of existing system. All wet material must be identified and removed prior to the application of the OlyBond500™ adhesive.
3. Existing Phenolic Insulation must be removed.
4. Coordination between trades is essential to avoid unnecessary roof top traffic.

*Recommended By Major  
Manufacturers, Including:*



## **PART II EXECUTION**

### **2.01 ROOF DECK CRITERIA**

1. The building owner shall provide a proper substrate. The structure shall be sufficient to withstand normal construction loads and live loads.
2. Defects in the deck must be documented and reported to the Specifier, general contractor, roof cover manufacturer and Roof System Manufacturer. The application of OlyBond500™ shall not proceed unless the defects are corrected.
3. Acceptable substrates are structural concrete, 22-gauge steel with first layer of insulation or existing roof cover mechanically attached. Treated plywood 5/8" min., pre-cast concrete, existing sprayed-in-place polyurethane foam, cementitious wood fiber plank, approved base sheets, gypsum, lightweight structural concrete, insulating concrete, and various BUR smooth and modified bitumen.

Note: Approved base sheets include #75 Base Sheet, Eliminator™ Nailable Base Sheet and #80 Ultima™ Base Sheet. Contact the Roofing System Manufacturer for a complete list of approved base sheets.

### **2.02 INSULATION CRITERIA**

Acceptable insulation types include, but are not limited to, the following: expanded polystyrene, polyisocyanurate, HD wood fiber, Dens-Deck® and perlite.

### **2.03 OLYBOND500 APPLICATION**

1. Make sure that the substrate is free of any debris, dirt, oil, grease, and standing water before applying OlyBond500™.
2. Agitate the part 2 component prior to filling the part 2 hopper of the PaceCart.
3. OlyBond500™: Must be applied using the specially designed PaceCart dispenser.  
OlyBond500™ SpotShot: Must be applied using one of the specially designed dual cartridge dispensers.
4. Dispense OlyBond500™ in 12" on center bands. (Approximate coverage rate is 1 gallon per square, depending on the substrate.)
5. After allowing foam to rise ¾" to 1", lay insulation board into position and walk into place. Continue walking on boards until adhesive sets (5-7 minutes).

### **2.04 ROOF COVER APPLICATION**

Install roof cover per Roofing System Manufacturer's recommendations and specifications.

#### **For Application Questions, Contact:**

GAFMC Contractor Services at 1-800-766-3411 or visit [www.gaf.com](http://www.gaf.com)

U.S. Intec Contractor Services at 1-800-624-6832 or visit [www.usintec.com](http://www.usintec.com)



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