



# SPEED. SIMPLICITY. SAVINGS.

LOW SLOPE ROOFING PRODUCT GUIDE

# ABOUT ICP ADHESIVES & SEALANTS

ICP Adhesives and Sealants, Inc. (ICP) has been a leading manufacturer in the low pressure polyurethane foam industry since 1975. We pride ourselves on our ability to service companies large and small with the same one-on-one attention.

## INNOVATIONS THAT IMPROVE.®

As an industry leader, ICP is built on the foundation of Innovations that Improve® through its commitment to **develop products, exclusive technologies, and services** that improve the overall **product performance, safety and experience** for our customers.



### UNPARALLELED SERVICE

ICP provides accessible, personalized support when you need it. We have long standing relationships with our distributors and partners since 1975. Relationships that were built on trust, respect and doing right by our customers.



### PRODUCT STEWARDSHIP

ICP is an industry leader in product and environmental stewardship. Our Work Smart program has educated thousands on the safe and proper use of low pressure polyurethane foam adhesive products. In addition, many of the ICP Adhesive & Sealants' products carry the prestigious GREENGUARD GOLD certification signifying that our products are low emitting and contribute to healthier indoor environments.



### TRAINING

The proper education on the storage, use and application of Polyset roofing adhesive products is essential and ICP provides the tools to make it happen. From extensive product documentation and in-person training events, ICP is committed to delivering everything you need to succeed.

# POLYSET® LOW SLOPE ROOFING ADHESIVES

Polyset® roofing adhesives provide low slope commercial roofing applications. Polyset products are available in the form of low pressure two-component polyurethane foam adhesives in pressurized disposable and refillable packaging. All Polyset roofing adhesive products offer speed and simplicity through unique dispensing technology, strong adhesion properties, along with ease in application and durability. For low slope applications, Polyset commercial roofing adhesives are specifically designed to adhere insulation boards, cover boards and single ply fleeceback membranes to various substrates.

## APPLICATIONS INCLUDE:

- Single-ply fleeceback membrane adhesion
- Insulation & cover board adhesion
- Temporary night seal





**POLYSET® CR-20**  
FLEECEBACK MEMBRANE ROOFING ADHESIVE



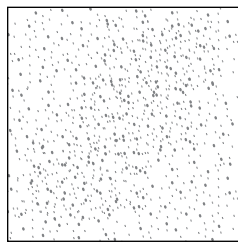
Polyset® CR-20® is a low-rise, two-component polyurethane foam adhesive engineered for speed and simplicity. Polyset CR-20 is ideal for adhering a variety of insulation boards, cover boards, as well as fleeceback membranes to various substrates in both new and re-roof applications. It is FM approved for use with most roofing system manufacturers' products. This product comes in self-contained, ready to dispense kits consisting of A and B cylinders, a Handi-Gun® dispensing unity and Colorwise® Temperature Warning Nozzles. These portable kits make it easy to access hard-to-reach areas, plus provide faster application on open roofs. Polyset CR-20 kits feature simple-to-use pressurized cylinders versus large mechanical proportioners, cumbersome caulk-type dispensers or carts. No extra power source is required.

| ITEM        | DESCRIPTION                   | YIELDS*    |
|-------------|-------------------------------|------------|
| 62496580302 | CR-20 FLEECEBACK ADHESIVE KIT | 20 SQUARES |
| 62000180302 | CR-20 FLEECEBACK ADHESIVE KIT | 6 SQUARES  |

\*See product specific TDS for additional information.

**SPATTER PATTERN METHOD**

To achieve optimum results, spray pattern should be similar to the action required when hand watering a flower bed. This allows us to create a fully adhered membrane attachment.



Displays proper spatter method

**CR-20 TECHNICAL DATA\***

|                         |                   |
|-------------------------|-------------------|
| <b>OPEN TIME</b>        | 1 - 10 minutes**  |
| <b>SET-UP TIME</b>      | 10 - 20 minutes** |
| <b>FULLY CURED TIME</b> | 24 hours          |
| <b>SHELF LIFE</b>       | 12 months         |

\*See product specific TDS for additional information.

\*\*Times may be affected by temperature and weather conditions.



# POLYSET® BOARD-MAX™

## INSULATION & COVERBOARD ROOFING ADHESIVE

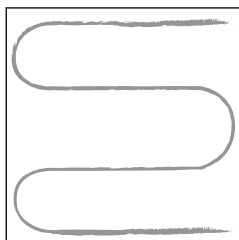


Polyset® Board-Max™ is a low-rise, two-component polyurethane foam adhesive specifically engineered to secure insulation and cover boards to various roof decks, cover boards and substrates. The all-inclusive kits provide a portable and disposable solution for the contractor, eliminating the need for costly accessories, carts or dispensing equipment and maintenance. This high-yield kit is specifically designed to be applied in a "serpentine" ribbon.

| ITEM        | DESCRIPTION            | YIELDS*    |
|-------------|------------------------|------------|
| 62496580322 | BOARD-MAX ADHESIVE KIT | 30 SQUARES |
| 62000280322 | BOARD-MAX ADHESIVE KIT | 9 SQUARES  |

\*See product specific TDS for additional information.

### SERPENTINE BEAD PATTERN



To achieve optimum results, dispense product in a continuous "S" shaped ribbon to represent a serpentine bead pattern.

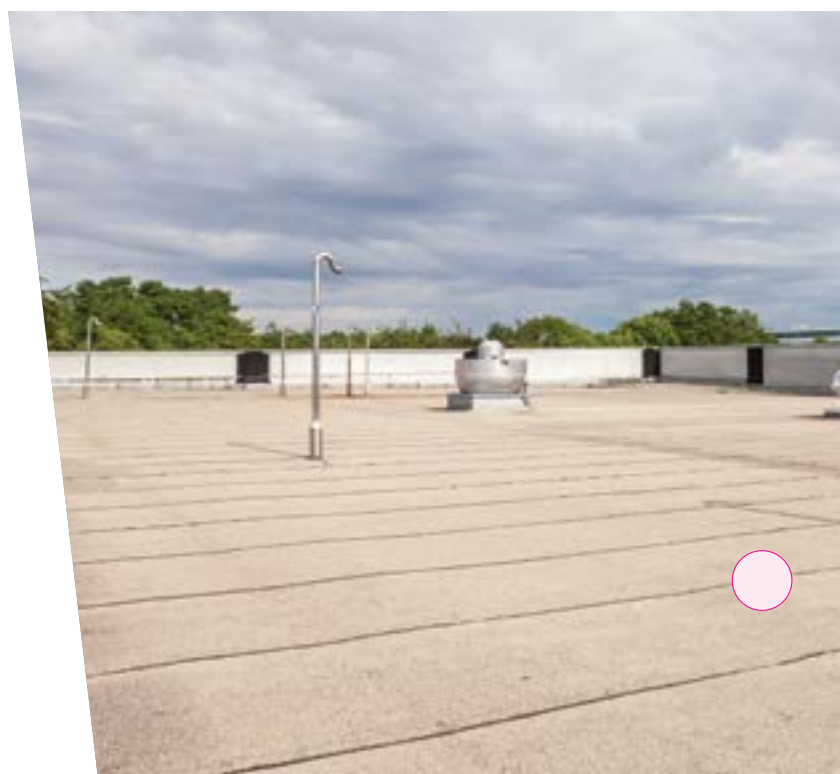
Displays proper serpentine bead method

### BOARD-MAX TECHNICAL DATA\*

|                         |                 |
|-------------------------|-----------------|
| <b>OPEN TIME</b>        | 1 - 5 minutes** |
| <b>SET-UP TIME</b>      | 1 - 5 minutes** |
| <b>FULLY CURED TIME</b> | 24 hours        |
| <b>SHELF LIFE</b>       | 12 months       |

\*See product specific TDS for additional information.

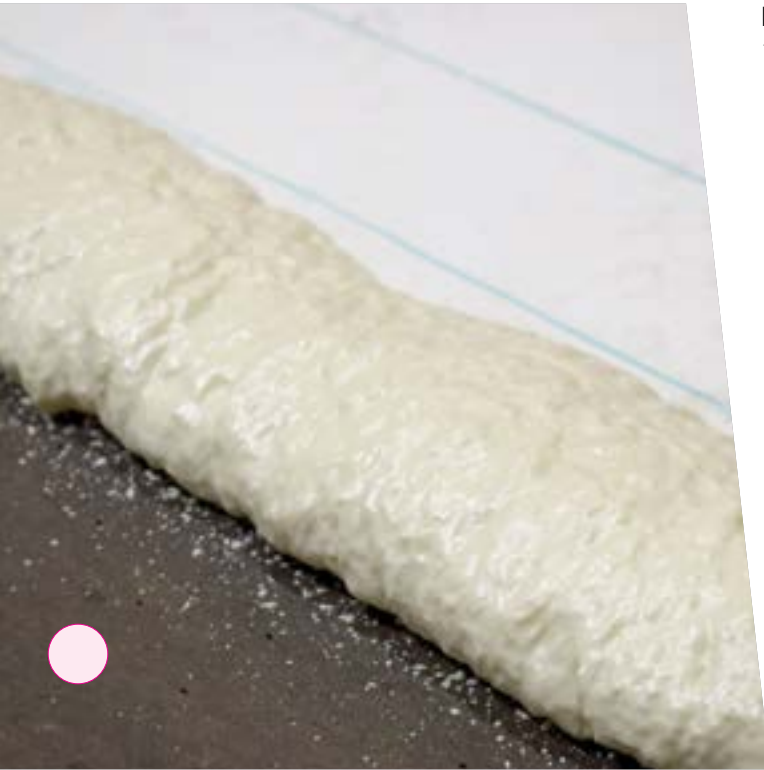
\*\*Times may be affected by temperature and weather conditions.





# POLYSET® ROOF SEAL

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)



Polyset® Roof Seal 400 is a two-component low pressure spray polyurethane foam designed to provide a quick, easy and reliable temporary seal of the new roofing membrane to the existing roof system. It protects the roofing membrane against intrusion of water and other elements until the roofing job resumes. Roof Seal is easily removable from most membranes for quick and easy start-up. Can be used to fill gaps and cracks of various sizes to reduce air leaks and thermal breaks. Available in a portable, disposable kit and includes the patented Handi-Gun® dispensing unit and ColorWise® Temperature Warning Nozzles.

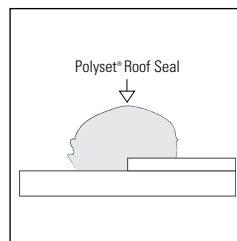
| ITEM        | DESCRIPTION   | YIELDS*                 |
|-------------|---------------|-------------------------|
| 62000680332 | ROOF SEAL 400 | 400 LINEAR FT (2" BEAD) |

\*See product specific TDS for additional information.



## BEAD APPLIED DETAIL

To achieve optimum results, the applied bead should fully cover the seam between the new membrane and old roof deck. The bead should be wide enough to stop water infiltration of the seam.



Displays proper Roof Seal application

## ROOF SEAL TECHNICAL DATA\*

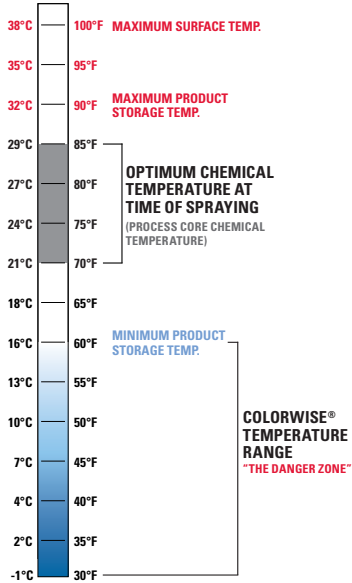
|                             |   |
|-----------------------------|---|
| <b>DENSITY</b><br>Free Rise | 1.75 lb/ft <sup>3</sup> (28 kg/m <sup>3</sup> ) |
| <b>TACK-FREE TIME</b>       | 30–60 seconds                                   |
| <b>CUTTABLE</b>             | 2–5 minutes                                     |
| <b>FULLY CURED TIME</b>     | 1 hour  |
| <b>CELL STRUCTURE</b>       | 95% CLOSED cell content                         |
| <b>SHELF LIFE</b>           | 12 months – Disposable                          |

\*See product specific TDS for additional information.



# IMPORTANCE OF TEMPERATURE

Temperature is critical for all low pressure polyurethane adhesives. Chemical that is too hot or too cold can heavily impact the application and outcome of an adhesive job, causing poor adhesive quality, off-ratio adhesive and yield loss problems. Storage and substrate temperatures can also affect the ratio and properties of the product being sprayed. ICP has developed a variety of solutions to help ensure the highest quality adhesive, while maximizing yield.



See TDS for product specific temperature recommendations.

## ColorWise® TEMPERATURE WARNING NOZZLES



ColorWise® Temperature Warning Nozzles change from clear to blue, indicating that the chemical has reached a cold temperature [below 60°F (16°C)] and the adhesive should not be dispensed. Stop spraying to avoid off-ratio adhesive and yield loss, and properly condition the chemical before spraying again.



Designed for use with:  
**HANDI-GUN®**  
THE ULTIMATE WAY TO SPRAY

“WHEN THE NOZZLE  
**URNS BLUE**  
STOP YOUR CREW.”



## ColorWise® TEMPERATURE WARNING NOZZLES

Changes from clear to blue, indicating that the chemical has reached a cold temperature, below 60°F (16°C), and the adhesive should not be dispensed.

- Nozzle will change from blue to clear when chemical temperature is back in the acceptable range.
- Stop spraying and warm the chemical to the recommended temperature. See TDS for product specific temperature recommendations.
- Helps keep adhesive on ratio and maximizes yield.
- Available for use with Handi-Gun® Dispensing Units



## HANDI-GUN® THE ULTIMATE WAY TO SPRAY

The patented Handi-Gun dispensing unit is available with our Polyset® Roofing Adhesives. The Handi-Gun offers easy nozzle attachments, responsive triggers for accurate metering and clear hoses to provide easy viewing of chemical flow.

- Snap On/Snap Off Nozzles: Convenient ColorWise® Temperature Warning Nozzles attachments with a snap-on, snap-off connection.
- Responsive Trigger: Allows for accurate metering, precise application, labor savings and reduced waste.
- Enhanced Visibility: Clear hoses attached to the Handi-Gun provide easy viewing of the chemical flow.

# POLYSET® PRODUCT & ACCESSORY ORDERING GUIDE

| LOW SLOPE PRODUCTS       |   |
|--------------------------|---|
| <b>POLYSET CR-20</b>     |   |
| PART #                   | DESCRIPTION                               |
| 62496580302              | CR-20 FLEECEBACK ADHESIVE KIT (20 SQUARE) |
| 62000180302              | CR-20 FLEECEBACK ADHESIVE KIT (6 SQUARE)  |
| <b>POLYSET BOARD-MAX</b> |   |
| PART #                   | DESCRIPTION                               |
| 62496580322              | BOARD-MAX ADHESIVE KIT (30 SQUARE)        |
| 62000280322              | BOARD-MAX ADHESIVE KIT (9 SQUARE)         |
| <b>POLYSET ROOF SEAL</b> |   |
| PART #                   | DESCRIPTION                               |
| 62000680332              | ROOF SEAL 400 (400 LINEAR FT.)            |
| <b>CLEANERS</b>          |   |
| PART #                   | DESCRIPTION                               |
| 62484448303              | POLYSOLV 12 OZ. AEROSOL CLEANER (12 PACK) |

| LOW SLOPE ACCESSORIES                      |   |
|--|---|
| <b>PERSONAL PROTECTIVE EQUIPMENT (PPE)</b> |   |
| PART #                                     | DESCRIPTION   |
| F65251                                     | CONTRACTOR SAFETY KIT (INCLUDES: SAFETY GLASSES, NITRILE GLOVES (2 PAIRS), NIOSH APPROVED RESPIRATOR (MEDIUM SIZE, ORGANIC VAPOR CARTRIDGES, DUST/MIST PREFILTERS AND 10 HYGIENIC WIPES), TYVEK® APRON & ARM GAUNTLETS) |
| <b>ACCESSORIES</b>                         |   |
| PART #                                     | DESCRIPTION   |
| 62988499307                                | 25' APPLICATOR & HOSE   |
| F65325                                     | CR-20 MIXING NOZZLE EXTENDER (8 PACK)   |
| F66125                                     | COLORWISE LONG CONE NOZZLES (25 PACK)   |
| F66172                                     | COLORWISE LONG CONE NOZZLE (8 PACK)   |

## PERSONAL PROTECTIVE EQUIPMENT

Working smart is about choosing the best solution for the job and then executing the project safely. When using any low pressure polyurethane foam adhesive, we recommend following a safety program, including wearing proper personal protective (PPE) equipment.



**F65251 – CONTRACTOR SAFETY KIT**



Personal Protective Equipment (PPE) recommended:



For more information, see the Product Stewardship Guidelines (A14009).



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