

# SOLAR SEAL® #900

## TERPOLYMER ELASTOMER / ADHESIVE SEALANT

High performance colored alternative to silicones & urethanes



### COMMERCIAL

### INDUSTRIAL

### HIGH END RESIDENTIAL

#### DESCRIPTION

SOLAR SEAL® #900 is based on terpolymer technology which offers a quality alternative to silicone and urethane sealants.

High performance terpolymer elastomers provides exceptional weather resistance, adhesion, elongation and color fade resistance to SOLAR SEAL® #900.

#### APPLICATIONS

|                          |                          |
|--------------------------|--------------------------|
| Aluminum                 | Metal Buildings          |
| Architectural Metals     | Precast Panels           |
| Asphalt Shingles         | PVC Trim Boards          |
| Brick & Masonry          | Roof Flashing            |
| Cedar & Redwood (primed) | Rubber Roofing           |
| Copper                   | Skylights                |
| Cured Concrete           | Sun Rooms                |
| EPDM/TPO                 | Termination Bars         |
| EIFS Systems             | Tile Roofing             |
| Fiber Cement Board       | Vinyl Siding & Windows   |
| Glass & Fiber Glass      | Wood                     |
| Kynar Coatings           | +More Building Materials |

#### COLORS

White, Black, Clear and over 200 NPC standard colors plus customs.

- Mfg. Name & Color stamped on each plunger.
- Custom colors available, 4 case min.

#### LIMITATIONS

- ⇒ Intended for exterior use. Interior application requires mandatory forced fresh air ventilation until odor dissipates.
- ⇒ Not recommended for:
  - Structural applications.
  - Contact with expanded polystyrene.
  - Joints under constant water submersion.
- ⇒ COMBUSTIBLE
  - Do not use near heat or flame.
- ⇒ Contact NPC for written approval for use in food processing areas.
- ⇒ Due to the porosity of cedar, redwood and hardboard, use on these substrates may reduce expected life.
- ⇒ Be aware that cedar is known to expel air as temperatures rise causing bubbles in freshly laid uncured sealants. Test all sealants on cedar, especially rough cut areas.
- ⇒ WARNING: This product contains chemicals known to the state of California to cause cancer and/or reproductive harm. Inform chemical sensitive persons this compound contains a petroleum solvent.

#### INSTALLATION

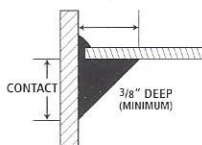
Apply 3/8" deep, (like diagram below) to a temperate, clean, dry, frost free, structurally sound surface that is free of oils, soaps, silicone, or loose material that may inhibit bonding. Clean excess sealant with a solvent such as xylene, mineral spirits or by scraping.

- Do not tool inside corner joints.
- Backer rod or bond breaker tape is required on control joints (butt joints) to prevent three point adhesion. Tool these control joints.
- Back caulk butt joints.
- Do not apply when substrate temperature is above 125°F.

Prior to application, obtaining the building owners approval of the sealant color is the applicator's responsibility.

#### JOINT DESIGN PARAMETERS

Maximum joint width is 3/4"  
Maximum sealant depth is 1/2"  
Minimum sealant depth is 3/8"



#### PROPER INSIDE CORNER CURED BEAD

Consumer size -Approx. coverage, 14 Lin. ft/tube  
Pro Size -Approx. coverage, 26 Lin. ft/tube

#### GENERAL INFORMATION

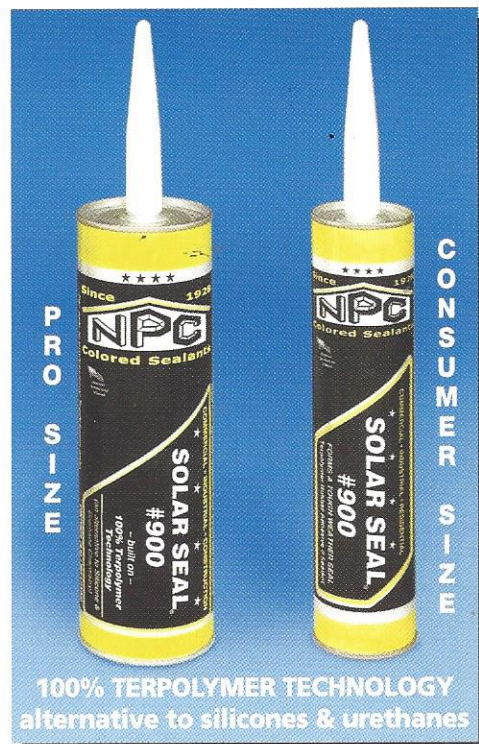
Shelf life: 2 Years @ 75°F  
Substrate application range: 0°F to 125°F  
Cured sealant temp. range: -40°F to 300°F  
Cure rate @ 75°F: Thin skin: 24 hrs.  
Complete cure: 21 days

- Warm tubes in cool weather
- Primerless adhesion
- Paintable after skin forms
- Mold and mildew resistant
- Stainable with solid color stains

#### PERFORMANCE DATA

|                    |            |              |
|--------------------|------------|--------------|
| BOND COHESION      | TT-S-230c  | NO BOND LOSS |
| SHORE A HARDNESS   | TT-S-230c  | 30 AVERAGE   |
| STAIN INDEX        | TT-S-230c  | NONE         |
| SAG                | TT-S-230c  | NO SAG       |
| UV & COLD EXPOSURE | ASTM-C 920 | NO CRACKING  |
| ELONGATION         | ASTM-D 412 | 300%-400%    |
| TACK FREE TIME     | ASTM-C-679 | 4 hours      |
| ADHESION-IN-PEEL   | TT-S-1543  | 30 lbs/in    |

## SPECIFICATION DATA



#### PACKAGING

Consumer size tubes (10.3 oz), 12 per case  
Pro Size tubes (19 oz), 9 per case  
5 gallon pails - 55 gallon steel drums

#### VOC Regulations

Pro Size tubes are approved under all Federal and State VOC regulations.

Consumer size tubes are approved under Federal VOC regulations and in all state VOC regulations except for California. Clear SOLAR SEAL® is approved in California.

- NO PCBs USED OR ADDED

#### CONSTRUCTION STANDARDS

Meets performance requirements of TT-S-00230c, Class A, Type II and ASTM C-920, Type S, Grade NS, Class 25, Use NT, except for weight loss. Follow ASTM C-1193.

#### LIMITED WARRANTY

NPC warrants Solar Seal® #900 will meet the performance data tests listed below, when judged according to the test methods listed below. Apply per ASTM C-1193. For best results on inside corner joints the user must follow our installation instructions and "Proper Cured Bead" diagram. For other joint designs the user must test the suitability prior to full application for his intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. No other warranties implied or expressed shall apply, including any warranty or fitness for a particular purpose. NPC shall not be liable under any legal theory for special or consequential damage. Expected life: 20+ years on inside corner joints when installed as directed above.



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Manufactured  
and Owned