

# PURfect Hybrid™ - 850

## Elastomeric Adhesive / Sealant

### Product Description

PURfect Hybrid - 850 is an innovative, environmentally friendly product that replaces silicone and urethane sealants. PH 850 is designed for bonding and sealing a wide variety of building materials such as Kynar®, Galvalume®, painted surfaces, glass, steel, PVC, aluminum, tile, granite, marble, concrete, wood, FRP and many plastics. PH 850 is fast cure, non-sag and remains flexible when fully cured. Exhibits exceptional resistance to weathering and temperature extremes. Does not contain solvents or isocyanates. Conforms to ASTM C920, Type S, Grade NS, Class 50, Use T, NT, G and A.

### Features

- Strong, primerless adhesion to many metals, woods, plastics, rubbers, and masonry products
- Conforms to ASTM C-920, Type S, Grade NS, Class 50.
- USDA Accepted
- Non-sag
- Non-shrinking
- Fast skin time and final cure time
- Very low VOCs; odorless
- Non corrosive and non-staining
- Available in standard colors. Special colors upon request.
- Good retention of strength after environmental aging
- Resistant to shock, vibration and flexing
- Paintable.
- 10.1 oz cartridges; 20 oz. sausage packs; 5 gallon pails, 55 gallon drums
- Isocyanate free

### Typical Physical Properties

| Property                     | Typical Value*            |
|------------------------------|---------------------------|
| Skin Time                    | 25 minutes @ 78°F /50% RH |
| Color                        | Clear                     |
| Tensile Strength (ASTM D412) | 220 psi                   |
| Lap Shear                    | 280 psi                   |
| Elongation                   | 250% or more              |
| Service Temperature          | -60°F to 220°F            |
| UV Resistance                | Excellent                 |
| Sag                          | Nil                       |
| VOC Content                  | ~3%                       |
| Movement Capability          | +/- 25%                   |

\*Typical values. Not for use in development of specifications

### Recommendations for Use

#### Surface Preparation:

For reliable, repeatable and durable results, adhesives and sealants must be applied to clean, dry, sound, and frost-free surfaces. For high strength bonds, surface contaminants such as paints, oils, oxide films, mold release agents, dirt, and the like, must be completely removed. Remove old sealants or adhesives.

#### Application:

- Better application temperatures: 40°F - 100°F
- For best performance, sealants and adhesives should be applied to a joint at the midpoint of its designed expansion-contraction cycle
- Place nozzle into joint and fill joint entirely. Keep the nozzle in the sealant and maintain a consistent, continuous flow of sealant to minimize air entrainment.
- Tool sealant to minimize air entrainment and to assure contact with both sides of the joint.

#### Clean-up:

Excess adhesive should be dry-wiped from all surfaces and tools while still uncured. Mineral Spirits may be used. Cured adhesive is difficult to remove without damaging the surface it was applied to and generally must be mechanically removed.

#### Limitations:

- Do not apply on frost-covered surfaces.
- Not recommended for direct glazing of glass, acrylic or polycarbonate windows.
- The user should always perform relevant testing, as InnoStar Solutions does not recommend PURfect Hybrid -850 as fit for a particular use.
- Testing prior to painting is recommended.
- Shelf life of 12 months when stored at temperatures below 80°F.

### Contact Information

For product prices, availability, order placement, or for additional information, contact our customer service at [info@innostarsolutions.com](mailto:info@innostarsolutions.com) or call (877) 250 – 1978.

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## Elastomeric Sealant / Adhesive

### Precautionary Information

Some applications may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended. Use with adequate ventilation. In case of contact with eyes, lips, or mouth: flush thoroughly with water. Inhalation of vapor during application and cure may cause slight eye or throat irritation. If irritation persists, consult a physician. Please see SDS for additional information. **KEEP OUT OF REACH OF CHILDREN.**

### Limitation of Liability

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