

Description

Packstat **PS318** is a conformable double-sided acrylic foam tape with release liner on one side. The product is used for permanent bonding of materials such as metals, glass and some plastics, in interior and exterior applications.

Product Benefits

- Service temperature: -30°C to +150°C continuous, and to +210 peak (duration 1 hour)
- Complies with Directive 2002/95/EC (RoSH) restricting the use of heavy metals in electronics products.
- Solvent free product.
- Suitable for indoor and outdoor use (excellent UV and ageing resistance)
- Very high resistance to static and dynamic loads.
- Very high adhesion to metals and glass.
- Withstands expansion and contraction of materials without loss of adhesion due to its visco-elastic properties.

Main Applications

- Bonding and sealing in the photovoltaic (PV) solar module industry – framing of crystalline silicon panels and back rail bonding of thin film modules.
- Panel fixation, metal stiffener and reinforcement bar bonding: doors, lifts, trailers, cabinets.
- Bonding metal to metal before passing through the powder coat painting process.

Storage Recommendations

Rolls should be stored flat on their cut edge in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. The ideal storage temperature should be between 10°C and 30°C with relative humidity at 30% to 70%.

| Technical Properties | Unit | Normal Value |
|--|-------------------|------------------------------|
| 90° Peel Adhesion 20 min Stainless Steel | N/25mm | 70 |
| 90° Peel Adhesion 24 hr Stainless Steel | N/25mm | 80 |
| 90° Peel Adhesion 20 min Glass | N/25mm | 60 |
| 90° Peel Adhesion 24 hr Glass | N/25mm | 70 |
| Density | Kg/m ³ | 800 |
| Dynamic Shear Steel | N/25mm | 420 |
| Elongation | % | 800 |
| Rolling Ball Tack #14 (5.604g) | mm | 300 |
| Rolling Ball Tack #24 (28.2g) | mm | 300 |
| Static Shear 15KPa @ 120°C | Min | > 10,000 |
| Static Shear 22KPa @ 25°C | Min | > 10,000 |
| Static Shear 15KPa @ 93°C | Min | > 10,000 |
| Roll Length | m | 33 |
| Colour | - | Grey, white |
| Release Liner | - | Red, release polyethene (PE) |

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