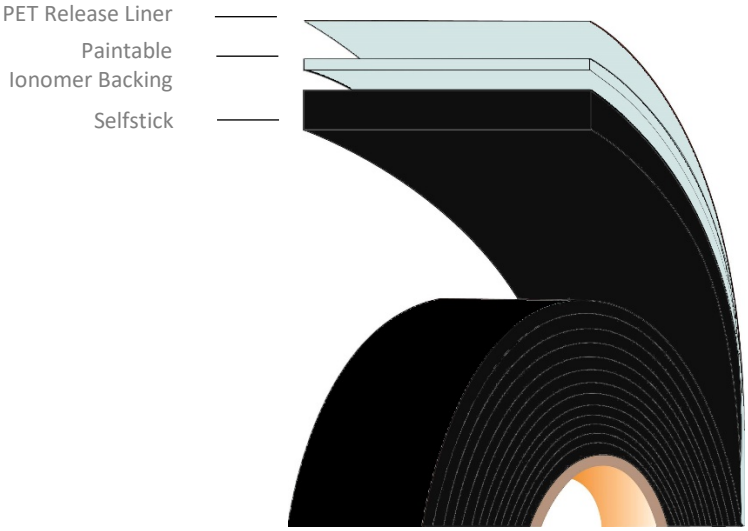
SealingTape 2547

AFTC SEALINGTAPE

Product Information 11.2021 1/2

AFTC SealingTape 2547

AFTC's SealingTape is a single sided high-performance acrylic based adhesive tape. This conformable tape is especially designed for difficult sealing applications. The ionomer backing on this sealing tape is very tough, flexible, abrasion resistant and paintable. What makes it easy to use this tape in all different kind of products. This single-sided tape is black and especially designed to seal an existing joint or seam. The adhesive has been designed so that overlapping tape joints can be made while maintaining a strong seal. In combination with a primer this SilverTape family guarantees excellent adhesion performance even on low surface energy substrates.



Thickness:	1,0 mm (0.039 inch) ±10%
Core:	Closed cell acrylic
Adhesive:	Closed cell acrylic
Density:	900 kg/m³ (lb/ft³)
Color:	Black
Liner:	PET Release Liner
Temperature Resistance:	
Minimum	-40°C (-40°F)
Maximum	95°C (203°F)

90° Peel Adhesion (Based on ASTM D-3330; various substrates, 72-hour room temp with AFTC SilverTape AM1008HC to attach aluminum peel strip backing; adhesion promoter or primer used on substrates)	N/10mm (lb/in)	25 (14)	ASTM D3330
Tensile Strength	kPa (lb/in²)	310 (45)	ASTM D3759

Suitable for:

- The tape is and remains soft and flexible, making it easy to mold to contours, edges, rivets, screws used for motorhome leaks, roof and gutter holes/tears, and the transportation industry.

Available sizes:

- jumbo: 900mm x 330 m (76,2mm core)
- log: 900mm x 33/66 m (76,2mm core)
- slit roll: 4 – 250mm x 33/66 m (76,2mm core)
- spool roll: 5 – 25mm x max 1000 m (152,4mm core)

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Surface

Tape bonding is one of the most variable and easy technology mating substrates. Especially for assemblies made of different substrates having different thermal expansion rates bonding is an easy method for a long-term durable joint. AFTC® tape allow a high variation in such substrates as all are available in different thickness. To ensure proper performance of such bonded part follow the following recommendations.

Design

A proper tape bond design means avoiding cleavage and peel forces. Design leading to pure shear and tensile loads have to be preferred to utilize full AFTC® SilverTape™ performance.

Surface Preperation

All bonding process require proper surface preparation / cleaning. This will enable AFTC® SilverTapes™ to get in direct contact with the surface creating full adhesion force. AFTC® SilverClean Dirt & Dust will remove most (polar) contaminations such as fingerprints and light oil. AFTC® SilverClean Oil & Grease is used for more non-polar contaminations as grease or mould release agents. Check suitable cleaner with surface test inks. Use lint free tissues for such operations.

Surface Modification

If simple cleaning cannot achieve appropriate adhesion forces the following surface modifications can be used. For larger scale process operations, the use of e.g. flame activation can be used. On smaller scale / repair operations the use of AFTC® SilverPrime or AFTC® SilverActivate might be a solution. AFTC® SilverPrime 101(UV) is used for plastics or similar coatings which have a low surface energy (PE, PP). For glass AFTC® SilverPrime 201 is used when exposed to humid environments. AFTC® SilverActivate 301 is a "one step clean and prime" solution used for a variety of car paints. All primer / activators should only be used on the area for bonding. Excess material must be cleaned immediately. For mill finished aluminium or stainless-steel mild abrasion using AFTC® SilverPads followed by cleaning using AFTC® SilverClean Dirt & Dust is an option.

Temperature

After proper surface preparation / modification AFTC® SilverTapes™ should be applied at a temperature level above 18°C (65°F). For temperatures below this but above 0°C (32°F) use AFTC® low temperature SilverTapes™.

Pressure

Ensure immediate part assembly after liner removal. Pressure should be applied in rolling fashion at approx. 10N/cm². Recommended roller speed at 10 mm/s (24 in./min.). Higher velocities might require higher pressure or control with surface pressure films. AFTC® SilverTapes™ achieve their full strength after 24h at ambient temperature. Higher temperatures can accelerate strength development.

Storage & Shelf Life

Store AFTC® SilverTapes™ between 5° and 35°C (40°-95°F). Humid condition causing condensation should be avoided. For products with non-siliconized liners shelf life is 24 months; products with siliconized liners and AFTC splice-/tabbing tapes shelf life is at 12 months.

Disclaimer

All technical data in this product data sheet are based on AFTC's experience and external testing institutes. These values are representative for the overall performance. These data sheets are NOT to be used for specification purposes or for your own specific application. It is your responsibility to test whether the tape is suitable for your application or project. AFTC® will NOT be held liable for any information provided on this data sheet. Please follow the rules and regulations that are applicable in the state, county, or country where the AFTC product(s) are being used. If you have any questions regarding the use of the AFTC® SilverTape™ acrylic foam tapes, please contact your local sales team. For questions on the standard warranty, please review our terms and conditions. For all other warranties, please review all documents that should have been agreed to in writing prior to the sale between AFTC® and the customer. SilverTape™ is a brand name of AFTC®.