

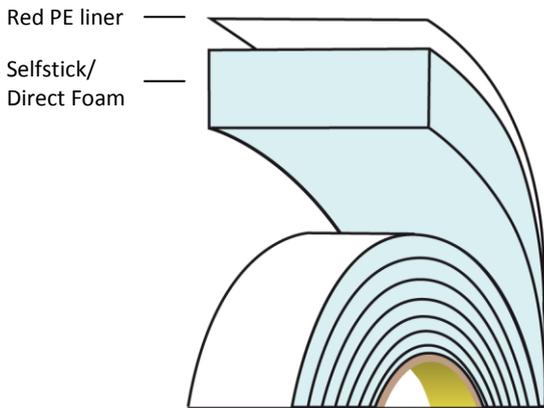
AFTC Industrial 8502P

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SilverTape 8502P

This thin tape is designed to adhere to various surfaces. The thin adhesive film allows a good adhesive performance on a variety of molded parts. This AFT Type has excellent UV, aging, solvent and high temperature resistance (+ 150 °C to + 260 ° Celsius). This series is in many situations virtually invisible and allow the usage of light weight, thin and small materials in many shapes and sizes. For difficult to bond surfaces, as being used in today's modern electronic assembly industry, we refer to SilverTape® AFT 8402 or AFT 8404. In situations where the bond needs to be invisible we recommend to use SilverTape® AFT 8502 and AFT 8504.



Thickness:	0,25mm (0.009 inch)
Core:	Closed cell acrylic
Adhesive:	Closed cell acrylic
Density:	840 kg/m ³ (52lb/ft ³)
Color:	Transparent
Liner:	White paper liner
Solvent Resistance:	Excellent
UV Resistance:	Excellent
Temperature Resistance:	
short term	160°C
long term	100°C

90° Peel Adhesion	N/10mm (lb/in)	41 (23)		ASTM D3330
Dynamic Shear Strength	kPa (lb/in ²)	560 (81)		ASTM D-1002
Normal Tensile	kPa (lb/in ²)	750 (108)		ASTM D-897
Static Shear Strength	grams	22°C (72°F)	1000	ASTM 3654
		66°C (150°F)	500	
		93°C (200°F)	500	
		121°C (250°F)		
		177°C (350°F)		

Suitable for:

- glass, glass/epoxy, stainless steel, galvanized steel, anodized aluminum, coated aluminum*

Available sizes:

- jumbo: 500mm x 330 meters (core 3")
- log: 500mm x 33/66 meters (core 3")
- slit roll: 4 – 250mm x 33/66 meters (core 3")
- spool roll: 5 – 25mm x max 1500 meters (core 6")

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Manual Production

Every good bond starts with good preparation. This preparation consists of several steps, such as cleaning, use of a primer and the right working area. Please ensure that your workshop area is in a dust free environment and has a minimum room temperature of ca. 15 °Celsius.

Cleaning

Before you begin, always check how dirty the materials that you want to bond are. If they are highly contaminated with oil or grease, clean it with an industrial cleaner (SilverTape® Cleaner) or a heptanes solution. Even when the surface is clean, use our SilverTape® Cleaner, which is a 100% Isopropanol solution. Ensure that you wipe the surface in just one direction, so that the dirt is wiped off. If you do not do this you will always leave some dust or dirt on the substrate.

Quality

The quality of the bond also depends largely on the contact that the two surfaces make with each other. Because of its viscoelasticity, the tape is able to flow into the microscopic pores of the materials. However, if there is a big surface mismatch or if the materials are not pressed together the bond will reach its end strength more slowly, or not at all. Therefore we advise you to put pressure on the bond of at least 100 kPa to allow the tape to make a perfect bond between the two materials.

Maximum Bond

The end strength will be reached much faster if you use our SilverTape® Primer no. 22. This enables the tape to reach its end bond within 5 – 20 minutes instead of taking 72 hours. On making the bond the tape without the primer normally has 50% of its final bond strength and with use of the primer this will be boosted up to 80%. If you have any questions regarding the primer, the manual or the mechanical application, please contact our technical sales team.

Storage & Shelf life

Please make sure that the tape is stored in its original packaging, in a dry place and at a temperature of preferably between 4 °C and 38 °Celsius. When the tape is stored under the right conditions it has a shelf life of 18 months.

*Important Information

All technical data in this product data sheet is based on our own experience and external test institutes. These values are representative and cannot automatically be used for your own specific application. You will first need to test whether the tape is suitable for your application or project. We must point out that you need to follow the rules and regulations that are applicable in the state, county or country that you are using our product in. If you have any questions regarding the use of our acrylic foam tape, please contact our technical service or technical sales team. For questions on the warranty we refer to our delivery terms and conditions, or another warranty document should be agreed on in writing between us and the customer. SilverTape® is a brand name of AFTC.