

AFF DSFT RANGE

DOUBLE SIDED FOAM TAPE — 1mm, 2mm & 3mm

GENERAL DESCRIPTION

The Affixit DSFT range is a family of double-sided polyethylene foam tapes for permanent bonding, mounting and fixing applications. Each tape is coated with a high quality acrylic adhesive on both faces of a closed-cell foam core, giving good moisture and humidity resistance, shock absorption and sound insulation. The range is available across three foam thicknesses (1mm, 2mm and 3mm) and, depending on thickness, in black and/or white foam.

The 3mm black variant (AFFDSFT3B) is a heavy-duty, high-density construction: a high-density foam with permanent acrylic adhesive on both sides. This gives it a substantially higher foam density and adhesive strength than the general-purpose 1mm, 2mm and 3mm white variants, which are intended for lighter general bonding, mounting and fixing.

PRODUCT RANGE

Code	Thickness	Colour	Typical Use
AFFDSFT1BW	1mm	Black or White	General bonding, mounting & fixing
AFFDSFT2BW	2mm	Black or White	General bonding, mounting & fixing
AFFDSFT3W	3mm	White	General bonding, mounting & fixing
AFFDSFT3B	3mm	Black	Heavy-duty bonding & fixing

APPLICATIONS

- Permanent bonding, mounting and fixing applications (all variants).
- Heavy-duty permanent bonding and fixing where a higher-density foam is required (AFFDSFT3B).

TECHNICAL DATA

AFFDSFT1BW — 1mm (Black / White)

Property	Value	Unit	Test Method
Foam thickness	1 (0.039)	mm (in)	—
Foam density	67 (4.183)	kg/m ³ (lb/ft ³)	—
180° Peel adhesion	2.48 (16)	N/cm ² (N/in ²)	ASTM D-3330
Dynamic shear	3.1 (20)	kgf/cm ² (kgf/in ²)	ASTM D-1002
Elongation at break	130	%	ASTM D-3330
Temperature resistance	-25 to 90 (13 to 194)	°C (°F)	—

Ensure surfaces are free from grease or other contamination before application. Best working conditions are 18–25°C — if applying outside this range, warm the tape (40°C / 24h) beforehand. Apply approximately 4KG of pressure on average, and allow 72 hours for the adhesive to reach full strength. Store in a well-ventilated, dry area at room temperature with relative humidity below 85% (best storage conditions 23±2°C, RH < 85%).

AFFDSFT2BW — 2mm (Black / White)

Property	Value	Unit	Test Method
Construction	White paper liner (80µm) / acrylic adhesive / closed-cell PE foam / acrylic adhesive	—	—
Foam thickness	2 (0.079)	mm (in)	—
Foam density	40 (2.49)	kg/m ³ (lb/ft ³)	—
180° Peel adhesion	18	N/25mm	—
Dynamic shear	Not stated	N/cm ²	—
Static shear	Not stated	kg/cm ²	—
Temperature resistance	-40 to 80 (-40 to 176)	°C (°F)	—

AFFDSFT3W — 3mm (White)

Property	Value	Unit	Test Method
Construction	White paper liner (80µm) / acrylic adhesive / white closed-cell PE foam / acrylic adhesive	—	—
Foam thickness	3	mm	—
Foam density	40 (2.60)	kg/m ³ (lb/ft ³)	—
180° Peel adhesion	27	N/25mm	—
Dynamic shear	75	N/cm ²	—
Static shear	0.8	kg/cm ²	—
Temperature resistance	-40 to 120 (-40 to 248)	°C (°F)	—

No separate white-foam test data was available at the time of writing; the figures above are carried over from the equivalent 3mm black construction and should be confirmed against white-foam production data before this sheet is relied on for a formal specification.

AFFDSFT3B — 3mm (Black) — Heavy-Duty Specification

Property	Value	Unit	Test Method
Construction	Blue siliconised release film / permanent acrylic adhesive / high-density PVC foam (black) / permanent acrylic adhesive	—	—
Coating thickness	70	g/m ²	—
Foam density	200 – 220	kg/m ³	—
Temperature resistance	-30 to +80	°C	—
Adhesive strength	>21	N/25mm	Afera 5001
Elongation at break	>125	%	DIN 53571
Water absorption	<11	%	—
Compression waterseal	>20	%	U-Test
Weather resistant	Yes	—	—
UV resistant	Yes	—	—
Recommended application temperature	+5 to +40	°C	—

For best results apply at room temperature on a clean surface, free of dust and grease. Use pressure over the whole surface to establish overall surface contact. Recommended cleaning agent: isopropyl alcohol. Release liner: blue siliconised film.

RECOMMENDATIONS

Unless stated otherwise, all values given are typical averages. Every tape in this range should be thoroughly tested on the substrates of the particular application it is intended for; Affixit will not be responsible for product failure unless full testing has been completed. The customer is responsible for deciding on the suitability of each tape for its intended application.

Keep all rolls in their original wrapping until required for processing. Avoid wide variations in temperature and humidity in storage.



AFFIXIT

Unit 6 Lime Grove Estate
Haverhill, Suffolk
CB9 7XU
Tel: 01440 766 975
Sales@affixit.co.uk
www.affixit.co.uk

All statements and information listed above regarding this product are typical values for general guidance; these data are not to be intended as a conformity specification. These suggestions are based on tests believed to be reliable, but accuracy and completeness are not guaranteed. The user must test, evaluate and validate this product before use, assuming all risks and liability of such use. This document may be revised without prior notice.

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Lynvale Ltd products for all intended uses, and that the materials to be used comply with all applicable regulatory requirements. Lynvale Ltd (trading as Affixit) assumes no responsibility for product failures arising from misuse of the materials it supplies, or from the design, fabrication or application of products into which the materials are incorporated.

WARRANTY: For a period of 12 months, Lynvale Ltd warrants this product to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or, at Lynvale Ltd's option, to refund the purchase price thereof. LYNVALE LTD DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.