

Product Data Sheet

Avery Dennison® SignFlex™

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Introduction

Avery Dennison SignFlex™ is especially developed to adhere to flexible substrates like tarpaulins. The adhesive is designed to have a permanent ultimate adhesion onto this substrate. SignFlex™ comes in 1.23m width and is available in 6 different colors. The films are printable and can be protected with a suitable SignFlex™ DOL overlamine. All films have a glossy finish appearance. The final visual appearance has to be judged on applied material.

Conversion

Avery Dennison SignFlex™ offers excellent weeding and cutting performance on a wide range of computer signmaking equipment. Avery Dennison SignFlex™ White can be printed with Latex, UV, solvent or Eco-solvent inks; SignFlex™ DOL overlamine is recommended to protect the print.



Face Film

75 micron premium cast vinyl



Adhesive

permanent on plasticised PVC based tarpaulins only



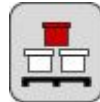
Backing paper

one side coated white kraft paper, 140 g/m²



Durability

Up to 5 years outdoors (vertical exposure)



Shelf life

Up to 2 years
(stored at 22°C and 50-55% RH)

Recommendations for use

- » Avery Dennison SignFlex™ is especially designed for lettering, decorations and graphics on tarpaulin and banner material
- » Immediate permanent adhesion on tarpaulin; Wet application allows for a repositioning of the decals at the start of the application.
- » Avery Dennison Application Paper can be used to transfer the plotted material evenly onto the desired substrate.
- » For further recommendations on converting and application please check T.B 3.7

Features

- » Six high gloss standard colours are available to mark trailer curtains and banners.
- » High opacity
- » Exceptional flexibility
- » Outstanding durability and outdoor performance.
- » Excellent layflatness and stability during cutting and weeding
- » High adhesion to a wide variety of plasticised PVC substrates.
- » Easy application, no drying time required compared to other application methods
- » Wet application method allows for repositioning during the first minutes of application.
- » Excellent dimensional stability during use and application.

Customer colours

In case no choice can be made from the standard colour range, special colours can be offered in the Avery Dennison SignFlex™. These colour matches can be ordered from a minimum quantity of 10 rolls.

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm	ISO 534	75 micron
Caliper, facefilm + adhesive	ISO 534	125 micron
Gloss	ISO 2813, 20°	>50%
Dimensional stability	FINAT FTM 14	0.2 mm max.
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability (all colours, unprinted)	Vertical exposure - zone 1	5 years
Adhesive		
Elongation	DIN 53455	130 %
Adhesion, initial	FINAT FTM-1, stainless steel	75 N/m
Adhesion, after 24 hours	FINAT FTM-1, stainless steel	145 N/m
Adhesion, after 24 hours	FINAT FTM-1, tarpaulin	600 N/m Film deformation
Temperature range		
Application temperature		Minimum: + 10°C
Service temperature		-40°C to +60°C
Chemical properties		
Humidity resistance	200 hours exposure	No effect
Salt spray resistance	120 hours exposure to corrosion	No contribution to corrosion
Water resistance	48 hours immersion	No effect

1) Test methods: More information about our test methods can be found on our website.

2) Durability: durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

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