

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. Avery Dennison® SignFlex™ is available in 1.23m width and in white and black colors. 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™ series is a good candidate for digital printing. However a print test prior to application is strongly recommended. ICC profiles are available for the white color and for most common printers (latex, flexible UV, solvent or eco-solvent). Avery Dennison SignFlex™ DOL overlaminate is recommended to protect the print. Printing results are expected to be satisfactory from a larger viewing distance.

(ICC profiles available on: <https://graphics.averydennison.eu/en/home/services/icc-profiles.html>)

Recommendations

- » Avery Dennison® SignFlex™ is especially designed for lettering, decorations and graphics on tarpaulin and banner material
- » Immediate permanent adhesion on tarpaulin; wet application allows a repositioning of the decals at the start of the application
- » Avery Dennison® SignFlex™ is a permanent solution and it is not intended to be removed
- » 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 "Avery Dennison® SignFlex™ - Recommendations on converting and application"

Features

- » Black and white high gloss 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, reduced 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



Face Film

75 micron premium cast vinyl



Adhesive

permanent on plasticised PVC based tarpaulins only



Backing

one side coated white kraft paper, 135 g/m²



Durability

Up to 5 years outdoors (vertical exposure)



Shelf Life

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

Customer colours

In case no choice can be made from the standard colour range, special colours can be requested as part of Avery Dennison® SignFlex™ offering. Special colors can be ordered with a minimum quantity of 100 rolls.

Physical Characteristics

Product	Test method ¹	Results
Caliper, facefilm (micron)	ISO 534	75
Caliper, facefilm + adhesive (micron)	ISO 534	125
Gloss (GU)	ISO 2813, 20°	> 50
Dimensional stability (mm max.)	FINAT FTM 14	0,2
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure, all colours, unprinted	5
Adhesive		
Elongation (%)	DIN 53455	130
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	440
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	640
Adhesion, after 24 hours (N/m)	FINAT FTM-1, tarpaulin	600
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)	on Film + adhesive, check the Tarpaulin TDS	- 40 to + 90
Chemical properties³		
Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Chemical resistance	Mild acids	No effect
Seawater resistance	BS5609:1986 section 2 - 3 months immersion	Pass

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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

2) Durability: The 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.

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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