PRODUCT DATA SHEET

Avery Dennison[®] SignFlex™

Issued: 08/2024

Introduction

Conversion

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 color glossy finish appearance. The final visual appearance has to be judged on applied material.

series is a good candidate for digital printing. However

recommended. ICC profiles are available for the white

color and for most common printers (latex, flexible UV,

a print test prior to application is strongly



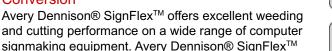
Face Film 75 micron premium cast vinyl



Adhesive permanent on plasticised PVC based tarpaulins only



Backing one side coated white kraft paper, 135 g/m^2



Durability Up to 5 years outdoors (vertical exposure)



Shelf Life

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

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® SignFlexTM - Recommendations on converting and application"

Features

- » High gloss white colour is 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

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 10 rolls.



Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	75
Caliper, facefilm + adhesive (micron)	ISO 534	125
Gloss (GU)	ISO 2813, 20º	> 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)		- 40 to + 60
Chemical properties ³		
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

Important

Seawater resistance

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.

immersion

BS5609:1986 section 2 - 3 months

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.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see http://terms.europe.averydennison.com.

Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.

© 2024 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.



Pass