

PRODUCT DATA SHEET



Avery® FasCal® 400/440 Permanent Scoreback

issued: 31/03/2003

Introduction

FasCal 400 series is a multi-purpose screenprint film for a wide variety of relatively short-term applications. It is available with different adhesives and liners to suit specific uses.

Description

Facefilms: 100 micron, monomerically plasticised film,
FasCal 400 – white gloss
FasCal 440 – transparent glossy film
Adhesive: permanent, acrylic based
Backing paper: one side coated kraft liner, with scored lines: **Scoreback**

Features

FasCal 400 Permanent Scoreback series feature excellent conversion and printing characteristics: it can be screenprinted with most common screen inks for self-adhesive films. FasCal 400 Permanent Scoreback films have excellent layflatness and dimensional stability properties to ensure high output and exact registered prints. The **Scoreback** lines provide easy liner removal.

Important: Scoreback liner consists out of liner with crush-scored lines, running in the machine direction, **35 mm** apart. Bending along one of the lines will crack the backing open for easy removal. The functionality of scored backing products is strongly related to the size of the graphic (sticker, label etc.). We advise not to use scored backing for graphics larger than A4 (210 x 297 mm) or smaller than A8 (52 x 74 mm). Also the direction of the scorelines is of importance; for graphics from A8 to A6 (105x 148 mm) it is recommended to have the scorelines parallel to the short side of the label. For products not complying to these recommendations Avery Dennison does not take responsibility for the functionality of the scorelines.

FasCal 400 Permanent Scoreback series have excellent outdoor exposure properties.
For screen ink recommendations please consult Avery Technical Bulletin No. 2.2.

Recommendations for use

- Short term outdoor advertising
- Posters, panels and signs at exhibitions
- Billboard advertising
- Public transport advertising
- Vehicle decorations and advertising
- Labels and stickers
- Point of sale promotions



www.averygraphics.com

Graphics Division
Rijndijk 86, P.O. Box 118
2394 ZG Hazerswoude – The Netherlands
Tel +31 71 3421500 – Fax +31 71 3421538

PRODUCT CHARACTERISTICS

Avery® FasCal® 400/440 Permanent Scoreback

Physical properties

| Features | Test method ¹ | Results |
|-------------------------|------------------------------|--------------------|
| Caliper, facefilm | ISO 534 | 100 micron |
| Gloss | ISO 2813, 20° | 70 % |
| Dimensional stability | DIN 30646 | 0.5 mm. max |
| Adhesion, initial | FINAT FTM-1, stainless steel | 600 N/m |
| Adhesion, ultimate | FINAT FTM-1, stainless steel | 800 N/m |
| Flammability | | Self extinguishing |
| Shelf life | Stored at 22° C/50-55 % RH | 2 years |
| Durability ² | Vertical exposure | 2 years |

Temperature range

| Features | Results |
|-------------------------|-----------------|
| Application temperature | Minimum: 10° C |
| Service temperature | -40° to +100° C |

Chemical properties

| Features | Test method ¹ | Results |
|----------------------|--------------------------|--|
| Humidity resistance | 120 hours exposure | No effect |
| Corrosion resistance | 120 hours exposure | No contribution to corrosion |
| Water resistance | 48 hours immersion | No effect |
| Solvent resistance | Applied to aluminium and | No effect exposed to: oils, greases, aliphatic s solvents, motor oils, heptane, kerosene and JP-4 fuel. |

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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.

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

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.



www.averygraphics.com

Graphics Division
Rijndijk 86, P.O. Box 118
2394 ZG Hazerswoude – The Netherlands
Tel +31 71 3421500 – Fax +31 71 3421538