

Product spec sheet

Ball & Doggett

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Product: Avery Dennison® DOL 6000

Textured Floor Graphic Overlaminates



Graphics
Solutions

Category: Display & Visual - Solvent, Latex, Eco Solvent

Technical specifications:

Features

- Excellent wear and scratch resistance
- Easy to handle
- Excellent adhesion to graphic materials
- Excellent transparency
- Excellent light diffusion properties – reduces light 'hot spots'
- Compatible with most commercial cleaning procedures
- Short term floor graphic overlaminates
- Tested to AS/NZS 4586:2004 Standard slip resistance classification of new pedestrian surfaces

Description



Film: 125 micron matt clear textured vinyl overlaminates



Adhesive: Permanent acrylic



Backing: One side coated 140gsm, Kraft paper



Outdoor life: Indoor only
Up to 3 months

Conversion*

- | | |
|---|--|
| <input type="checkbox"/> Flat bed cutters | <input checked="" type="checkbox"/> Cold overlaminate |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Estat printing |
| <input type="checkbox"/> Die cutting | <input type="checkbox"/> Water based inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Screen printing | <input type="checkbox"/> UV Cured inkjet |

Common Applications

- Floor graphics
- Exhibition
- Indoor advertising
- Point of purchase
- Wall graphics

Standards

AS/NZS 4586:2004 Standard slip resistance classification of new pedestrian surfaces: Appendix A, B, D, Tri Classification: Y, F, R9
In order to interpret the classifications, please refer to Standards Australia Handbook 197, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

Application

For processing tips and reference guides please refer to Avery Instructional Bulletins:

- 1.18 Application and Maintenance of Avery® Floor Graphics
- 4.06 Processing Tips for Avery DOL Films

Uses

Avery DOL 6000 is suitable as an indoor floor graphic overlaminates for up to 3 months or as an anti-scratch overlaminates for indoor murals and posters. See relevant Instructional Bulletin for further converting and application information.



Physical characteristics

General

Caliper, facefilm	ISO 534	125 micron
Caliper, facefilm & adhesive	ISO 534	150 micron
Dimensional stability	DIN 30646	0.3mm max
Adhesion, initial	FINAT FTM-1, stainless steel	500 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	790 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability **	Vertical exposure	indoor use only up to 3 months
Slip resistance	AS/NZS 4586:2004	Appendix A, B, D, Tri Classification: Y, F, R9

Thermal

Lamination temperature	See relevant technical bulletins
Service temperature range	0 – 40°C

Chemical

Water, cleaning agents, IPA, diluted acetic acid, salt spray when used on indoor floors will not damage the surface when exposed for short periods of time

Important

Information on physical 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 any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery® 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 guarantee, warranty, or make any representation contrary to the foregoing.

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

**Durability

Durability is based on exposure conditions in the Asia Pacific region. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

*Compatible with most printer and ink combinations. Test prior to use.

***Information unavailable at time of printing.

Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.