

# Avery® DOL 2100 Matt

## Matt Clear Polymeric Calendered Overlamine

### Features

- Excellent UV protection
- Improves inkjet outdoor image durability up to 2 years
- Improves solvent inkjet outdoor image durability up to 4 years
- Good abrasion resistance
- Excellent adhesion to graphic materials
- Excellent transparency
- Matt finish for low-glare applications

### Description



**Film:** 80 micron matt clear UV stable polymeric calendered vinyl overlamine



**Adhesive:** Permanent acrylic



**Backing:** Kraft, 130gsm



**Outdoor life:** Up to 5 years

### Conversion\*

- |   |  |
|---|--|
| <input type="checkbox"/> Flat bed cutters     | <input checked="" type="checkbox"/> <b>Cold overlaminating</b> |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> E-stat 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"/> Mild solvent inkjet                   |

### Common Applications

- Flat sided trucks
- Outdoor advertising
- Indoor advertising
- Windows
- Floor graphics
- General signage

### Standards

AS/NZS 4586:2004 Standard slip resistance classification of new pedestrian surfaces: Appendix A, B Dual Classification: YF  
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.

### Applications

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 2100 is a flexible high quality UV stable matt polymeric calendered overlamine designed for use as a protective overlaminating film for digitally printed images and is suitable for medium life outdoor images on flat or simple curved surfaces.

## Physical characteristics

### General

Calliper, facefilm	ISO 534	80 micron
Calliper, facefilm & adhesive	ISO 534	110 micron
Dimensional stability		0.3 mm max
Gloss	ISO 2813, 85°	75%
Adhesion, initial	ASTM 1000, stainless steel	500 N/m
Adhesion, ultimate	ASTM 1000, stainless steel	700 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability**	Vertical exposure	Up to 5 years
Slip resistance	AS/NZS 4586:2004	Appendix A, B Dual Classification: YF

### Thermal

Lamination temperature	See relevant technical bulletins
Service temperature range	- 40°C to + 80°C

### Chemical

Resistant to most petroleum based oils, greases, and aliphatic solvents

Resistant to mild acids, alkalis and salts

### 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

The durability is based on Australian 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 north; 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.