

Avery® HP MPI 2005 Easy Apply™

Permanent StaFlat

(formerly: MPI 2003 EZ)

Revision: New Dated: 02/10/2009

Uses:

Avery HP MPI 2005 Easy Apply Calendered Vinyl film is a flexible, low gloss, calendered vinyl. HP MPI 2005 Easy Apply offers exceptional value for applications requiring premium calendered film durability combined with permanent or removable adhesive performance. HP MPI 2005 Easy Apply offers the benefits of reduced wrinkling and air entrapment inherent in the application of decals and.



Face: 3.4 mil (86 microns) low gloss calendered



Adhesive: Permanent Acrylic (clear)



Liner: 90# StaFlat



Durability: Up to 6 years (unprinted)

Application Surfaces:

Flat, simple curves (restricted to non-spill areas)

Features:

- Air egress technology helps eliminate wrinkles and bubbles
- Repositionability allows for repositioning of graphic without great force
- Low gloss finish
- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery website (www.iccprofiles.averygraphics.com)

Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

Product Data Sheet

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Permanent StaFlat

(formerly: MPI 2003 EZ)

Revision: New Dated: 02/10/2009



Physical Characteristics:

Property		Value
Caliper, face		3.4 mil (86 µm)
Caliper, adhesive		1.0mil (25 µm)
Dimensional stability		<0.065"(1.651 mm)
		Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Tensile at Yield		
Elongation		
Gloss	Hunter Gloss @ 60	55
Adhesion: 15 min.		1.8 lbs/in (315 N/m)
24 hr.		2.1 lbs/in (367 N/m)
1 week		4.0 lbs/in (700 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Unprinted – 6 years Printed – Up to 5 years
Min. Application Temperature		45°F (7°C)
Service Temperature		-50° - 180°F (-45° - 82°C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions.

Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:

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Product Data Sheet

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Graphics & Reflective Products Division
250 Chester Street
Painesville, OH 44077



AnswerLine: 800-231-4654
www.averygraphics.com

Avery[®] HP MPI 2005 Easy Apply[™]

Permanent StaFlat

(formerly: MPI 2003 EZ)

Revision: New Dated: 02/10/2009



Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°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 panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum 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.

Flammability: Meets ASTM E84-04, Standard Test Method for Surface Burning Characteristics of Building Materials, Class A Rated

*Further ASTM E84-04 documentation available upon request

Revisions are italicized

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Patent Info: May be covered by one or more patents US6,630,049, US7,060,351, US7,344,618, US7,332,205, EP1276605, EP1282472 and other US and foreign patents pending and others used under license.

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Avery® HP MPI 2105 Easy Apply™ and Easy Apply™ RS

Long Term Removable StaFlat

(formerly: new product)

Revision: 0

Dated: 9/14/2009

Uses:

Avery HP MPI 2105 Easy Apply and Easy Apply RS Calendered Vinyl film is a flexible, high gloss, calendered vinyl. HP MPI 2105 Easy Apply (RS) offers exceptional value for applications requiring premium calendered film durability combined with permanent or removable adhesive performance. HP MPI 2105 Easy Apply (RS) offers the benefits of reduced wrinkling and air entrapment inherent in the application of decals and.



Face: 3.1 mil (80 microns) low gloss calendered



Adhesive: Long Term Removable Acrylic (gray)



Liner: 90# StaFlat



Durability: Up to 5 years (unprinted)

Application Surfaces:

Flat, simple curves (restricted to non-spill areas)

Features:

- Air egress technology helps eliminate wrinkles and bubbles
- RS provides repositionability for repositioning of graphic without great force
- High gloss finish
- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery website (www.iccprofiles.averygraphics.com)
- Excellent clean removability

Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
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Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

Product Data Sheet

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Avery® HP MPI2105 Easy Apply™ and Easy Apply™ RS

Long Term Removable StaFlat
(formerly: new product)

Revision: 0 Dated: 9/14/2009



Physical Characteristics:

Property	Value
Caliper, face	3.1 mil (80 µm)
Caliper, adhesive	1.5 mil (40 µm)
Dimensional stability	<0.065"(1.651 mm) Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Elongation	Min 100%
Gloss @ 20°	55 %
Adhesion: 15 min.	2.5 lbs/in (450 N/m)
24 hr.	3.1 lbs/in (550 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability Vertical Exposure	Unprinted – Up to 5 years
Min. Application Temperature	50°F (10°C)
Service Temperature	-50° - 176°F (-45° - 80°C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance	Resistant to most mild acids, alkalis, and salt solutions.

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