

Avery Dennison
Graphics Solutions
Product Overview

Asia Pacific - ANZ
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Avery Dennison PVC Pressure Sensitive Adhesive Films Flammability and Fire Performance



Introduction

Avery Dennison have tested a range of PVC Pressure Sensitive Adhesive Films and obtained compliance under the latest NCC specification C1.10 Fire Hazard Properties.

This document provides guidance on which of our products can be used in which building types and areas based on their assigned Material Group number.

What determines a Material Group Number?

The Material Group Number is determined once the material has undergone certified testing requirements under the latest NCC internal wall and ceiling standard. The fire hazard properties of different materials are classified as Material Group Numbers.

Material Group Numbers come in a range from Group 1 to Group 4. The lower the Material Group Number, the better the material performs in a fire. Group 1 is the best performing in a fire whereas Group 4 is the worst performing.

In the tables below we have outlined what Material Group Number is required in specific areas of buildings, and what Avery Dennison films can be used in accordance with NCC Specification C1.10 Fire Hazard Properties (a), (ii) Wall and Ceiling Linings.

What Material Group Number is required for a particular area?³

All films with a Material Group Number 1 can be used in any internal walls/ceiling building areas

Construction Area	Material Group Number		Building
	Unsprinklered ¹ or Sprinklered ²	Group 1 > Group 2 >	
Wall and Ceiling			The minimum Material Group Number is determined by the classification ⁴ of building, and whether it is Unsprinklered ¹ or Sprinklered ²
Fire Isolated exits and Fire control rooms	Unsprinklered or Sprinklered	✓* –	All fire isolated exits and control rooms MUST have a Material Group Number 1 fire rated product, NO EXCEPTIONS
	Unsprinklered	✓* –	<ul style="list-style-type: none"> • Accomodation for the elderly, people with a disability and children • Assembly buildings (Theatres, Halls, Auditoriums etc)
Public Corridors	Unsprinklered or Sprinklered	✓ ✓*	• All Buildings
	Unsprinklered	✓ ✓*	<ul style="list-style-type: none"> • Accomodation for the elderly, people with a disability and children • Assembly buildings (Theatres, Halls, Auditoriums etc)
All other areas Excluding fire isolated exits, fire control room or public corridors	Unsprinklered or Sprinklered	✓ ✓	• All Buildings
	Unsprinklered or Sprinklered	✓ ✓	• All Buildings

Avery Dennison products with a Material Group Number of 1 or 2 can be used where Group 3 or 4 is specified.

¹ Unsprinklered means a building that is not fitted with a sprinkler system (other than a FPAA101D or FPAA101H sytem complying with specification E1.5)

² Sprinklered means a building fitted with a sprinkler system (other than a FPAA101D or FPAA101H sytem complying with specification E1.5)

³ For a detailed explanation of this table, please refer to NCC 2019 Building Code of Australia - Volume 1 - Amendment 1 - Pages 105-106 - Table 3 wall and ceiling lining materials

⁴ Classification of a building: Class 2 – 9 building types: residential, office, retail and the like, for further detail refer to foot note 3.

* Refers to the minimum fire rating required for this particular area within a building

Products with a Material Group Number 1

		Internal Application				
All films with a Material Group Number 1 can be used in any internal walls/ceiling building areas		Finish	Indoor Durability	Fire Exits and Control rooms	Public Corridors	All Other Areas
Print Media	Digital Overlamine					
High Performance Calendered Films						
MPI 2126 Hi-Tack Easy Apply™	DOL 2100 Matte	Matte	6 years	✓	✓	✓
MPI 2611 Wall Film	DOL 2100 Matte Unprotected	Matte	6 years 5 years^	✓	✓	✓
MPI 2006 HOP Hi-Tack	DOL 2100 Matte	Matte	6 years	✓	✓	✓
MPI 2105 Easy Apply RS	DOL 2100 Matte	Matte	6 years	✓	✓	✓
MPI 2631 Textured Wall Film - Canvas -Rem	Unprotected	Matte	5 years^	✓	✓	✓
MPI 2636 Textured Wall Film - Canvas - Hi-Tack	Unprotected	Matte	5 years^	✓	✓	✓
MPI 2636 Textured Wall Film - Stone - Hi-Tack	Unprotected	Matte	5 years^	✓	✓	✓
MPI 2636 Textured Wall Film - Stucco - Hi-Tack	Unprotected	Matte	5 years^	✓	✓	✓
Intermediate Calendered Films						
MPI 2904 Easy Apply™	DOL 2100 Matte	Matte	5 years	✓	✓	✓
	DOL 2960 Gloss	Gloss	4 years			
	DOL 2980 Matte	Matte	4 years			
MPI 2924 Easy Apply™ MPI 2923 Easy Apply™	DOL 2100 Matte	Matte	5 years	✓	✓	✓
	DOL 2960 Gloss	Gloss	4 years			
	DOL 2980 Matte	Matte	4 years			
Monomeric Films						
MPI 3026 Supertack	DOL 3100 Matte	Matte	3 years	✓	✓	✓
MPI 3302 EA	DOL 3100 Matte	Matte	3 years	✓	✓	✓




^ Not warranted for damage or fading of inks from abrasion or chemicals. See ICS Performance Guarantee terms and conditions for full details.

Products with a Material Group Number 2

Can be used in most internal wall building areas, refer to earlier table for detail		Internal Application				
		Finish	Indoor Durability	Fire Exits and Control rooms	Public Corridors	All Other Areas
Print Media	Digital Overlamine					
Premium Cast						
MPI 1105 Easy Apply RS	DOL 1480Z Matte	Matte	8 years	-	✓**	✓
MPI 1106 Easy Apply Hi-Tack	DOL 1480Z Matte	Matte	8 years	-	✓**	✓
High Performance Calendered Films						
MPI 2000 Gloss	DOL 2100 Matte	Matte	6 years	-	✓**	✓
Intermediate Calendered Films						
MPI 2900 Gloss	DOL 2100 Matte	Matte	5 years	-	✓**	✓
	DOL 2960 Gloss	Gloss	4 years			
	DOL 2980 Matte	Matte	4 years			
Monomeric Films						
MPI 3111 Transit	DOL 3100 Matte	Matte	3 years	-	✓**	✓
MPI 3626 Quickmount	DOL 3100 Matte	Matte	3 years	-	✓**	✓

** For the most part, Public Corridors require a minimum Material Group Number of 2, however there are some exceptions. Please review the table on page 1.

For more information, contact Avery Dennison customer service or your sales representative, or visit graphicsap.averydennison.com

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