

# PRODUCT DATA SHEET

## Avery Dennison® Chevron V-8000 Series

Issued: 10/2023

### Introduction

Avery Dennison® Chevron series is based on the V-8000 High Visibility Reflective Film Series. Conditions on the roads can sometimes endanger the lives of people working in public services. Those needing protection at all times of day include fire fighters, police, emergency response personnel and road safety/construction workers. Effective hazard markings make vehicles much more visible, and the high performance of micro-prismatic reflective materials ensures that emergency vehicles stand out to passing motorists day and night. A vivid fluorescent yellow/red improves the day-time visibility of emergency vehicles in unfavourable weather conditions, giving drivers time to respond to hazards ahead.

### Versions

#### **Avery Dennison® Chevron White/Red** Used on

vehicles with special traffic rights such as construction fleets or maintenance and cleaning vehicles. Avery Dennison Chevron White/Red can be used for this marking and was produced in accordance to DIN 30710, DIN 67520, DIN 6171 and TP ESC-B (Certificates available upon request).

**Avery Dennison® Chevron FYG/Red** First response vehicles can be marked in accordance to the French regulation TP ESC-B (Certificates available upon request) with fluorescent yellow/red chevrons.

### Conversion

Avery Dennison® Chevron V8000 Reflective films can be converted using a wide variety of conversion techniques including steel rule die-cutting, thermal die-cutting, flatbed Sign-cut or Drum Roller sign-cut. Always test suitability of Chevron V8000 prior to use. (For application and care instructions, please refer to Technical Bulletin 6.9).

### Recommendations

Medium to long term fleet marking. Application on metal and painted metal as well as on flat, simple curves. This does not include rivets.

### Features

- » Single solid metallic layer construction that does not require edge sealing resists dirt and water penetration, dents and reflectivity loss
- » Unique omnidirectional prisms create high uniform brightness at night
- » Performs well facing any direction, creating high uniform brightness at night
- » Easy to handle and apply, conforms to simple curves
- » Withstands normal vehicle maintenance
- » Easy Apply™ liner for ease of application



#### **Face Film**

Vinyl Retroreflective Film with Microprisms, partly screen printed



#### **Adhesive**

Permanent, pressure sensitive, clear acrylic



#### **Backing**

90# StaFlat liner, Poly-Coated with Easy Apply™ technology



#### **Durability**

Up to 7 years unprinted



#### **Shelf Life**

1 year from date of purchase, stored at 22° C/50-55 % RH

## Physical Characteristics

	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	533 - 660
Dimensional stability (mm max.)	FINAT FTM 14	0,8
Shelf life years)	Stored at 22° C/50-55 % RH	1 year from date of purchase
Durability <sup>2</sup> (years)	Vertical exposure, unprinted	White/Red up to 7 years FYG/Red up to 5 years

### Specification Limits

Avery Dennison® V-8000 typical retroreflectivity performance is comparable to the following specifications:

More information about specifications and regulations can be found in the Avery Dennison ® Reflective regulatory overview.

ASTM D8514	Global
RA2	Europe
DIN3070, DIN67520, DIN 6171	Germany
TPESC-B	France, Europe

Avery Dennison® recommends the user to obtain the current requirements from their local governing agency to ensure product conformance.

### Temperature range

Application temperature (Minimum: °C)	+16
Service temperature (°C to +°C)	-23 to +65

### Chemical Resistance

Kerosene and Turpentine	10 minutes	No softening, dulling, color change or adhesion loss	pass
Toluene, Xylene and Methyl alcohol	1 minute		pass

## Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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.

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