



# Product Catalogue Reflective Solutions



Avery Dennison is committed to designing and manufacturing life saving innovative products and solutions that make the world's roadways safer. Our reflective sheeting products are preferred for signage, work zone devices, and vehicles. Avery Dennison is also leading the digital transformation of the industry with the TrafficJet™ Print System, which helps sign-shops around the world increase their sign-making productivity while also improving the quality of life for the workforce throughout the process.



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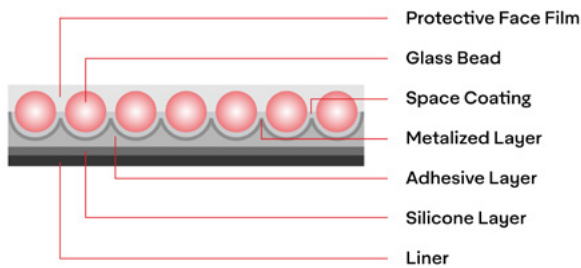
# Science of Retroreflective Sheeting



# The two fundamental technologies for achieving retro reflection:

## Glass Beads

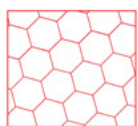
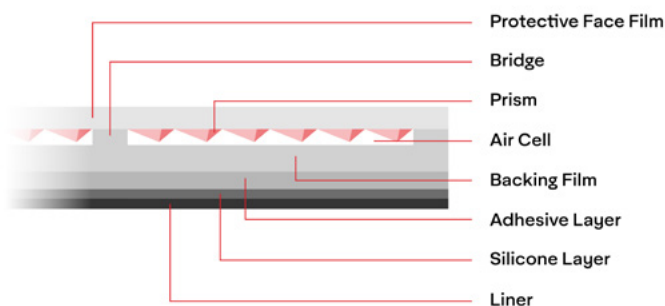
Engineering Grade (EG) uses glass beads for product construction.



## Prisms

### Truncated Cube Corner Microprismatic

Truncated cube corner microprismatic uses traditional triangular or truncated prisms.

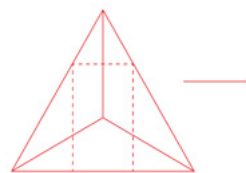


Example bridge pattern

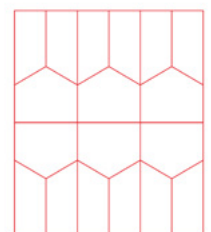
### Full Cube Corner Microprismatic

In a cube corner prism, the angle between each pair of sides can be precisely controlled based on the desired performance and the material used. When light hits a side, it is reflected to another, and another, until it has been turned 180° and returned to its source. Unlike beads that leave a gap when packed together, prisms can be nested into an array, increasing overall efficiency.

#### Triangular Cube Prisms



#### Full Cube Prisms





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# Traffic & Highway



Our robust portfolio of prismatic and glass bead pressure-sensitive reflective films and overlay films are the ideal choice for optimizing high reflectivity, legibility and visibility. Our wide selection ensures high value and safety advantages and that you have the right product for any job.

Reflective Media	Watermark	Technology	Class of Performance*	CE Certified	Digitally Printable	Durability	Colors
T-11500 OmniCube Series		Microprismatic	ASTM D4956 Type XI / Class 3 Full Cube	Yes	Yes (W, Y, FY, FYG)	Up to 15 years	
T-7500-B Series		Microprismatic	CUAP Class R3B	Yes	Yes (W, Y, FYG)	Up to 12 years	
T-7500 MVP Series		Microprismatic	ASTM D4956 Type VIII / CUAP Type Class R3A	Yes	Yes (W, Y, FY, FYG)	Up to 12 years	
T-6500 Series		Microprismatic	ASTM D4956 Type IV / EN12899/1 RA2/R2	Yes	Yes (W & Y)	Up to 12 years	
T-6500-A Series		Microprismatic	ASTM D4956 Type IV / EN12899/1 RA2/R2	Yes	No	Up to 12 years	
T-2500 D Series		Microprismatic	ASTM D4956 Type I / EN 12899/1 RA1	Yes	Yes	Up to 7 years	
T-2500 Series		Microprismatic	ASTM D4956 Type I / EN 12899/1 RA1	Yes	No	Up to 7 years	
T-1500 D-17 Series		Glass bead	ASTM D4956 Type I / EN 12899/1 RA1	Yes	Yes	Up to 7 years	
T-1500 B Series		Glass bead	ASTM D4956 Type I / EN 12899/1 RA1	Yes	Yes	Up to 7 years	
T-1500 A Series		Glass bead	ASTM D4956 Type I / EN 12899/1 RA1	Yes	No	Up to 7 years	
M-0500 D Series	NA	Glass bead	Non-specification	NA	Yes	Up to 3 years	
M-0500 A Series	NA	Glass bead	Non-specification	NA	No	Up to 3 years	

\*For detailed country specific compliance and certification, please refer to the [product data sheets](#)



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# TrafficJet™ Print System





The TrafficJet™ Print System is the No. 1 selling, most accepted digital traffic sign printer for specification-compliant and warranted traffic signs around the globe.

**Simple. Fast. Durable. Cost-effective. Sustainable.**



### TrafficJet Xpert

TrafficJet Xpert is built on the Mutoh XpertJet printer platform optimized for specification compliant traffic signage, work zone applications, and custom graphics.

True Traffic Colour spot inks and included software automates sign making, simplifying the printing of specification compliant traffic control, way finding, and custom signage.



### TrafficJet Pro

Inspired by industry demand for sustainable traffic sign production and improved sign durability, TrafficJet Pro eliminates the traditionally wasteful and hazardous screen-printing process.

Avery Dennison's TrafficJet Pro is now the most productive traffic sign printing system and continues to lead the digital printing revolution.

A One  Shop

For Your Entire Printing Process

- Installation
- Printer
- FlexiPRINT Avery Dennison Edition software
- Inks
- Retroreflective sheeting
- Overlay
- Laminator
- Service support

Avery Dennison provides the installation, printer, ink, sheeting, overlay, laminator, and service support - so there is no question of who to call or who guarantees your sign performance. It is our system, our warranty, and your peace of mind. Avery Dennison is the trusted leader in digital printing for the traffic industry.

For more information about the TrafficJet™: Brochure TrafficJet Digital Printing Solution







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# Inks



Specially formulated by Avery Dennison, True Traffic Color spot inks come with the industry's longest warranty when printed on Avery Dennison sheeting with protective overlay.

TrafficJet™ Eco-Solvent spot colors & Cyan and Magenta TrafficJet™ Pro UV spot colors and Magenta.

Inks	Class of Performance	Digital Printing Technology	Colors	Packaging
TrafficJet™ Inks	Up to Class 3	Eco-Solvent		440ml/950ml
TrafficJet™ Pro Inks	Up to Class 3	UV		1 liter
4930*	Up to Class 3	Solvent		1 gallon
UVTS*	Up to Class 3	UV		1 gallon

\*Inks for screen printing





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# Work Zone Temporary Traffic Control Sheeting



Roadway construction work zones create safety challenges for motorists and workers. The complications of changing work conditions that affect traffic flow demand effective traffic control to safely alert motorists day and night, and under all weather conditions.

Our fluorescent work zone, reboundable, and pre-stripped barricade products provide optimum visibility under demanding conditions.

Reflective Media	Technology	Class of Performance	Substrate	Digitally Printable	Durability	Colors
W-3000 Pre-Printed Series	High-Intensity Prismatic	Class EN-12899 / RA2-C DIN 67520 & 6171	Plastic	Preprinted	Up to 3 years	
W-6000 Series	High Intensity Prismatic Grade	ASTM D4956 Type III/IV/ EN 12899/1 RA2/R2	Aluminum/ Plastic	Yes* (D version)	Up to 3 years	
W-7000 Series	High Intensity Prismatic Grade	ASTM D4956 Type VIII/ CUAP Type Class 3	Aluminum	Yes	Up to 3 years**	
W-11000 OmniCube™ Series	High Intensity Prismatic Grade	ASTM D4956 Type IX, XI / Class 3 Full Cube	Aluminum/ Plastic	Yes (solid colors)	Up to 5 years**	
WR-6100 Series	High Intensity Prismatic Grade	ASTM D4956 Type III	Plastic	No	Up to 3 years	
WR-7100 Series	High Intensity Prismatic Grade	ASTM D4956 Type IV / EN 12899/1 RA2/R2	Plastic	No	Up to 3 years	
WU-7000 Roll-up film	High Intensity Prismatic Grade	ASTM D4956 Type VI	NA	No	Up to 3 years	

\*Digitally Printable

\*\*Up to 5 years depending on converting method for FO, vertical exposure only, 3 year for all other options








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# Protective Overlay Films



# Protective Overlay Films for your specific traffic sign needs, designed to address common signage problems from around the world. Easy to cut and apply.

Overlays	Class of Performance	Durability*	Digital Printing Technology	Colors
OL-1000 Anti Graffiti	Up to RA3	Up to 15 Years	EcoSolvent	 - Clear
OL-1000 UV Series	Up to RA3	Up to 15 Years	EcoSolvent, UV-LED	 - Clear
OL-2000 Series	Up to RA3	Up to 12 Years*	EcoSolvent	
OL-2000 UV Series	Up to RA3	Up to 12 Years	UV-LED	 - Clear
OL-1200 Anti Dew	Up to RA3	Up to 12 Years*	EcoSolvent, UV-LED	 - Clear

\*Warranty depends on the base sheeting



Avery Dennison OL-1000 is a premium clear overlay film ideal for protecting traffic signs. Not only can vandalized traffic signs be cleaned, but when printed with a TrafficJet Print System, it will also carry the industry's longest warranties.

This protective overlay offers Anti-Graffiti and UV protection in a single film.



Avery Dennison OL-1200 is a premium clear overlay film designed with a special coating to prevent the formation of water droplets on the surface of finished signs.

It was developed to add additional protection for signs used in climates with high humidity along with temperatures just above freezing.








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# Translucent Reflective Sheeting





Our translucent prismatic retro reflective films are designed for backlit applications. These materials provide reflective backup protection in the event of an internal lamp or power failure. They are commonly used for airport runway signage but can also be used for street name and emergency exit sign applications.

Backlit Signage	Technology	Class of Performance	Substrate	Digitally Printable	Durability	Adhesion	Colors
T-6530 Translucent	Microprismatic	High intensity Grade ASTM D4956 Type IV / Class 2	Plastic	Yes	Up to 3 years	Rear	
6600 Translucent	Microprismatic	High intensity Grade ASTM D4956 Type IV / Class 2	Plastic	No	Up to 3 years	Rear and Front	 
11030 Translucent	Microprismatic	High intensity Grade ASTM D4956 Type XI / Class 3	Plastic	Yes	Up to 3 years	Rear and Front	 





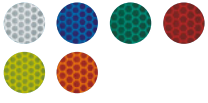



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# Vehicle Safety Films



Vehicle safety films provide striking daytime and nighttime appearance in even the worst weather conditions. These films are ideal for maintenance, utility, and emergency vehicles, because they give drivers advanced warning and time to react.

Reflective Media	Technology	Class of Performance	Durability	Digitally Printable	Colors
V-4000 Series	Glass bead	ASTM D4956 Type I	Up to 7 years	Yes	
V-4000E Series	Glass bead	ECE-104 D/E	Up to 7 years	Yes	
VisiFlex™ V-8000 Series	Microprismatic	HOSDB/ASTM D8514/DIN 30710/Class 2/NFPA 1901	7 years white & colors; 5 years fluorescent*	Yes	
Chevron	Microprismatic	ASTM D4956 Type IV, Class 3, RA2, TPESC-B / DIN30710	W/R- 7 years; FYG/R- 5 years	No	

\*Middle East, 5 years for white and colors, 3 years for fluorescent



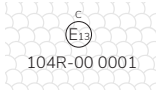



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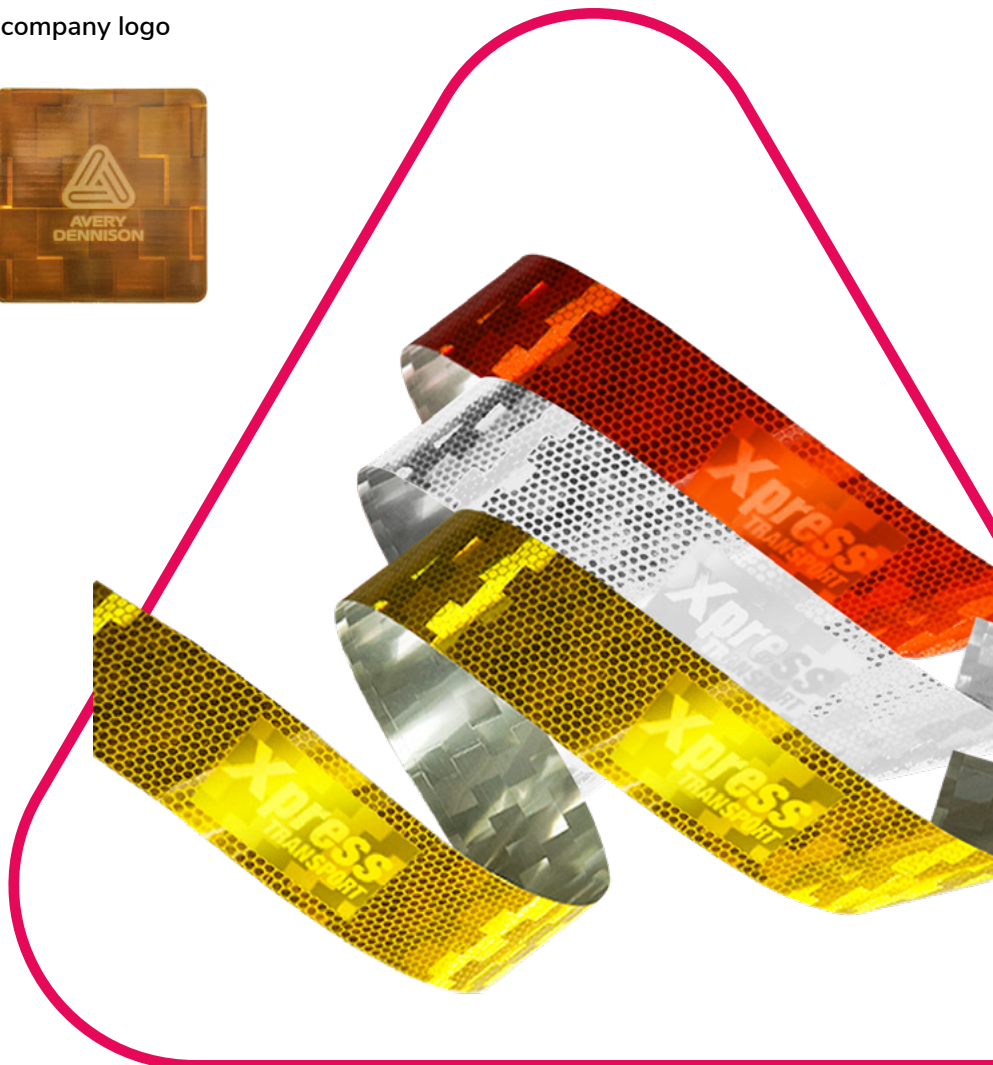
# Vehicle Conspicuity Markings



Prismatic conspicuity markings improve nighttime vehicle recognition for trucks, trailers, service vehicles, railcars, slow-moving vehicles, buses, and emergency vehicles.

Reflective Media	Watermark	Technology	Class of Performance	Durability	Custom logo option
V-6700B Series		Microprismatic	ECE-104 C	Up to 10 years	Yes
V-6790 Series		Microprismatic	ECE-104 C	Up to 3 years	Yes

Enhance your conspicuity tape with your company logo







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# Car License Plate

Avery Dennison's complete glass bead reflective product line meets all worldwide specifications and offers the flexibility to print, emboss and even digitally image. Add the option of our unique Secure Mark™ technology, and you will achieve an even higher level of license plate security.

Vehicle Registration	Technology	Class of Performance	Substrate	Durability	Colors
L-3050	Glass bead	ISO 7591 / DIN 74069, BSAU145	Aluminum	5 years	 Custom colors, Preprint
L-4050	Glass bead	ISO 7591 / DIN 74069, BSAU145	Aluminum	5 years	 Custom colors, Preprint





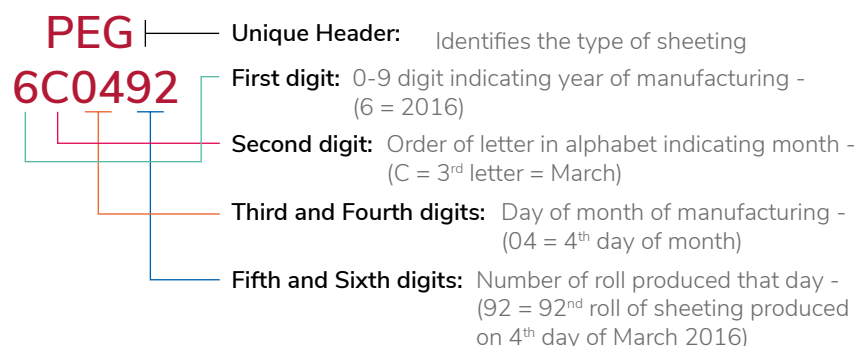
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# Sheeting Identification Guide

## Using the watermark in your maintenance program

Watermarks allow for material identification and traceability from manufacturing through the life of the retroreflective sheeting. Manufacturing personnel can also use them to identify unboxed rolls or manage inventory turns. Ultimately, watermarks enhance maintenance programs by increasing transparency, accountability, and quality.

## Understanding the nomenclature of the lot number



Specification:	Class I	Class I	Class I	Class I	Class I	Class I	Class II
Watermark:							
Product name:	T-1500-A Engineering Grade Beaded	T-1500-B Engineering Grade Beaded	T-1500-D-17 Engineering Grade Beaded	T-2500 EG Prismatic Engineering Grade	T-2500D-17 Prismatic Engineering Grade	T-6500 HIP High Intensity Prismatic Microprismatic	T-6500 HIP High Intensity Prismatic Microprismatic
Specification:	Class II	Class III	Class III	Class III	ECE104	ECE104	ECE104
Watermark:							
Product name:	T-6500-A HIP High Intensity Prismatic Microprismatic	T-7500 MVP Maximum Visual Performance Microprismatic	T-7500-B Microprismatic	T-11500 OmniCube™ Full Cube Microprismatic	V-6790 Conspicuity Tape Microprismatic	V-6700B Conspicuity Tape Microprismatic	V-6700B Conspicuity Tape Microprismatic

Contact us at- [reflective.orders.emea@eu.averydennison.com](mailto:reflective.orders.emea@eu.averydennison.com)

[reflectives.averydennison.com](http://reflectives.averydennison.com)



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