3M Science. Applied to Life.™

Transportation Safety Division

Sign sheeting selection made easy.

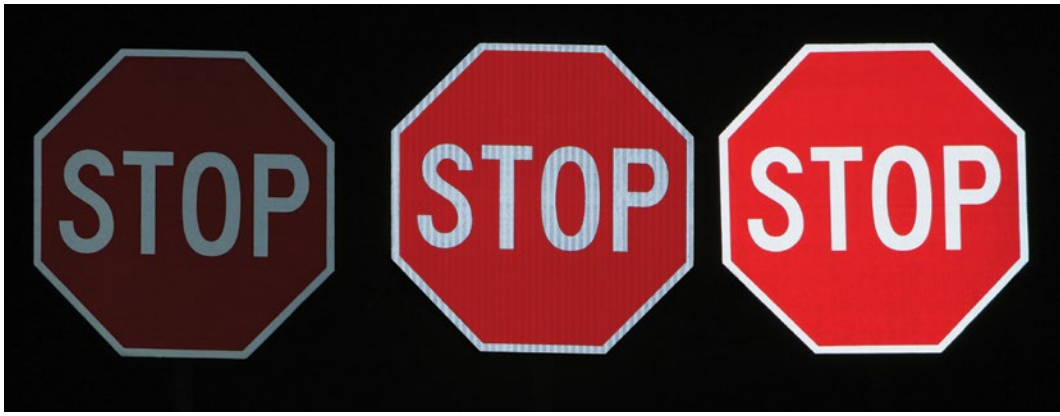
Retroreflective Sign Sheeting Applied to Canadian Standards.

In Canada, each province and territory mandate guidelines for traffic signs and devices. While most are following the national sign conventions, as outlined in the "Manual of Uniform Traffic Control Devices for Canada", each jurisdiction may have added additional guidelines and standards, which should be the guiding documents for those involved in designing or fabricating signs and devices.

3M has been providing the industry with retroreflective sign sheeting for over 80 years and we supply products that comply with the standards, types, and classes regulated in Canada today.

This reference guide serves to assist with quick identification and selection of the appropriate 3M™ Retroreflective Sheeting conforming to the ASTM D4956 and Quebec Norme 14101.

3M™ Engineering Grade Sheeting | 3M™ High Intensity Sheeting | 3M™ Diamond Grade™ Sheeting



Selection Guide

Permanent Signs

Standard	Type I	Type III	Type IV	Type VI	Type VIII*	Type IX	Type XI
ASTM D4956	3200 EGB	3930 HIP	3930 HIP			4000 DG³	4000 DG³
	3430 EGP						
Quebec Norme 14101	3200 EGB	3930 HIP	3930 HIP			4000 DG³	4000 DG³
	3430 EGP						

Temporary Traffic Control (Work Zone) Signs and Devices

Standard	Type I	Type III	Type IV	Type VI	Type VIII*	Type IX	Type XI
ASTM D4956	7300 AFEG	3300	3910***	RS20	3924S	4084 DG³	4084 DG³
		3934 HIP	3934 HIP	RS30***			
				3340**			
Quebec Norme 14101	7300 AFEG	3300	3910***	RS20	3924S	4084 DG³	4084 DG³
		3934 HIP	3934 HIP	RS30***			
				3340**			

* Products that meet the requirements of Type VIII also meet the requirements of former Types VII and X (discontinued by the ASTM International).
** 3M™ Reflective Sheeting Series 3340 is designed for use on PVC cones.
*** Meets Type VI minimum Coefficients of Retroreflection.

There are nine **types** and five **classes** of retroreflective sheeting.

Types are determined by conformance to the retro-reflectance, colour, and durability requirements (as listed in the standard) and may be of any construction providing that those requirements are met. Common references for each type of retro-reflective sheeting are:
Type I – engineering grade
Type II – super engineer grade
Type III – high-intensity
Type IV – high-intensity
Type V – delineators
Type VI – an elastomeric retroreflective sheeting without adhesive
Type VIII – a retroreflective sheeting typically manufactured as an unmetalized cube corner microprismatic retroreflective element material
Type IX – a retroreflective sheeting typically manufactured as an unmetalized cube corner microprismatic retroreflective element material
Type XI – a retroreflective sheeting typically manufactured as an unmetalized cube corner microprismatic retroreflective element material

The adhesive backing required for retro-reflective sheeting is expressed in “class”:
Class 1 – pressure-sensitive adhesive (no heat or solvent)
Class 2 – adhesive activated by heat and pressure
Class 3 – positionable low-tack pressure-sensitive adhesive
Class 4 – low-temperature (-7°C) pressure-sensitive adhesive
Class 5 – non-adhesive backing

The most common retroreflective standard used is the ASTM D4956; however, the withdrawn Canadian General Standards Board (CGSB) standard 62-GP-11M also includes the terms “type”, “class”, and “level” with different definitions. It is the user’s responsibility to understand the details of the standard in use.

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