

NZTA M12-L: 2023

LISTING OF ACCEPTED RAISED PAVEMENT MARKERS

1 SCOPE

1.1 General

This document lists the Raised Pavement Markers with either *Provisional Acceptance* or *Type Acceptance*. See Table 1 for a key to the abbreviations and codes used in this document.

Marker Category	D	Non-retroreflective daytime body colour only
	N	Retroreflective without body colour being specified
	G	General use day and night; retroreflective for night time and marker body colour for day
Marker Body or Lens Colour	W	White
	Y	Yellow
	R	Red
	G	Green
	B	Blue
Additional Features	AR/G	Abrasion Resistant lens - Glass
	AR/A	Abrasion Resistant lens – Acrylic coating
	FS	Flexural strength

Table 1: Abbreviations and codes used within Table 2 and Table 3

Note: An accepted lens colour is automatically accepted in a one way or two way configuration or if in another marker body colour, i.e. yellow marker body with white lens.

1.2 Document Currency

This version of M12-L issued in August 2023 replaces the previous version issued in March 2023.

2 RAISED PAVEMENT MARKERS WITH PROVISIONAL ACCEPTANCE

Table 2 lists raised pavement markers that have been confirmed by testing to provisionally comply with the requirements of NZTA M12 specification. Hence they are available for field testing to confirm full *Type Acceptance* with M12.

Section A: Provisional Acceptance		Marker Description					Marker Codes Accepted By (Standards Year)	Provisional Acceptance Expires mmm/yyyy
Obtained By	Brand Model and Series ID	Marker Category D, N or G	Retroreflective Class A, B or C	Body Colour W, Y, R, B, G	Lens Colour W, Y, R, B, G	Additional Features		
Stones Group Ltd	Reflective Road Services Hi-Brite Microprismatic 213	G	B	W, Y, R	W, Y, R	-	G-B1-W/Y/R (92) G-B2-W/YR (92)	November 2023 ¹
Ennis Flint New Zealand	Stimsonite 980	G	B	W, Y, R	W, Y, R	AR/G & FS	G-B1-W/Y (17) G-B2-W/Y (17)	November 2023 ¹
Ennis Flint New Zealand	Stimsonite 980	G	C	W, Y, R	W, Y, R	AR/G & FS	G-B1-W/Y/R (17) G-B2-W/Y/R (17)	November 2023 ¹
Ennis Flint New Zealand	Stimsonite C80	G	B	B, G	B, G	AR/A & FS	G-B1-B/G (17) G-B2-B/G (17)	November 2023 ¹
Ennis Flint New Zealand	Stimsonite 80	G	B	B, G	B, G	-	G-B1-B/G (17) G-B2-B/G (17)	November 2023 ¹
Damar Industries Rotorua	Automark Industries I-Lite+	G	C	W, Y, R	W, Y, R	TBC	G-C1-W, Y, R G-C1-W, Y, R	May 2024

Table 2: Raised Pavement Markers that have *Provisional Acceptance*

3 RAISED PAVEMENT MARKERS WITH TYPE ACCEPTANCE

Table 3 lists raised pavement markers that have demonstrated full compliance with NZTA M12 specification and may be used on the state highway network.

Section B: Type Acceptance		Marker Description					Marker Codes Accepted By (Standards Year)	Provisional Acceptance Expires mmm/yyyy
Acceptance Obtained By	Brand Model and Series ID	Marker Category D, N or G	Retroreflective Class A, B or C	Body Colour W, Y, R, B, G	Lens Colour W, Y, R, B, G	Additional Features		
Traffic Safety Products Ltd	Apex Universal Model 921	G	B	W	W	-	G-B1-W (92) G-B2-W (92)	November 2023 ¹
Ennis Flint New Zealand	Stimsonite C80	G	B	W, Y, R	W, Y, R	AR/A & FS	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	November 2023 ²
Ennis Flint New Zealand	Stimsonite 80	G	B	W, Y, R	W, Y, R	-	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	November 2023 ²
Ennis Flint New Zealand	Stimsonite 911 Glass	G	B	W, Y, R	W, Y, R	AR/G	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	November 2023 ²
Ennis Flint New Zealand	Stimsonite 88 Acrylic	G	B	W, Y, R	W, Y, R	AR/A?	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	November 2023 ²
Apex Safety Products	Ray-O-Lite Model AA-Arc II	G	B	W, Y, R	W, Y, R	AR/A?	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	November 2023 ²
Solfide Ltd	Apex Model 828 AR	G	B	W, Y, R	W, Y, R	AR/G	G-B1-W/Y/R (92) G-B2-W/Y/R (92)	August 2030 ²
Solfide Ltd	APEX Ceramic Dome – 18 Radial spoke base	D	N/A	W	N/A	N/A	D-W (17)	March 2031

Table 3: Raised Pavement Markers that have Type Acceptance

¹ In order to regain *Type Acceptance* subsequent to the publication of the revised M12-S: 2022 *Specification* these markers must re-comply in-service durability as specified in NZTA M12:2022 Specification Appendix B where upon their Type Acceptance will extend to November 2029.

² Subsequent to the publication of the M12: 2022 revision, the markers with *Provisional Acceptance* must be installed in an M12 Field Test by this date in order to gain *Type Acceptance*

4 DOCUMENT INFORMATION

4.1 Document Ownership

Document Name	Listing of Accepted Raised Pavement Markers
Document Number	M12-L
Primary Document	M12 Specification for the design, manufacture, installation and maintenance of raised pavement markers
Document Status	First introduced in 2022
Document Availability	This document is located in electronic form on the Waka Kotahi NZ Transport Agency's website at www.nzta.govt.nz
Document Authors	Julian Chisnall, Waka Kotahi
	Grant Bosma, Waka Kotahi
	Alan Parker, ALANRO Consultants
Document Owner	Julian Chisnall

4.2 Record of Amendments

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Subject	NZTA M12-L Listing of Accepted Raised Pavement Markers
Effective Date	April 2024. Table 2 Updated
Updated by	GM Bosma