


Safety Barrier Technical Conditions for Use

RICOCHET Plastic Water Filled Safety Barrier System - Temporary

	Issue Date: 31 May 2019	Supplier: Australian Construction Products
	<p>These conditions take precedence over any instructions in the Product Manual.</p> <p>This document is a summary of the Austroads Safety Barrier Assessment Panel's assessment of the technical performance of the product against AS/NZS 3845 Parts 1 or 2 only. It does not consider procurement practices by individual Road Agencies.</p> <p>The Austroads Safety Assessment Panel may at any time, withdraw or modify this Technical Conditions for Use without notice.</p> <p>These acceptance conditions should be read in conjunction with the Product Manual and Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.</p> <p>Acceptance of this product does not place any obligation on the Northern Territory Government or its contractors, to purchase or use the product.</p>	

Status	Accepted – may be used on the classified road network
Product accepted	Ricochet Plastic Water Filled Safety Barrier System <u>Variants</u> Nil Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	50 km/h
Product manual reviewed	Version 2 – 6 March 2019
Product manual	https://www.advantageplastics.co.nz/shop/ricochet.html

Design Requirements

Containment Level	Point of Redirection (m)		Tested Article Length (m)	Anchor/Post Spacing (m)	Dynamic Deflection (m)	Working Width (m)	Notes
	Leading	Trailing					
MASH TL1	20	20	45	n/a	2.28	2.86	

Approved Connections

Crash Cushions or Terminals must be fitted to both ends of a barrier	
Public Domain Products	
W-Beam Guardrail	Not Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted

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Proprietary Products	
Ricochet MASH TL1 Terminal End	<ul style="list-style-type: none"> • This is a gating terminal. • Terminal units are not filled with water.

Design Guidance

This product must be installed and maintained in accordance with the Product Manual and Road Agency specifications. Road Agency specifications and standards shall have precedence.	
Minimum installation length	42.5 metres between crash cushions/terminals (tested article)
System width (m)	0.58 metres
Minimum distance to excavation	2.86 metres measured from the traffic face of the barrier.
Slope limit	Side slope limit: 10 Horizontal to 1 Vertical (10%).
Systems conditions	<ol style="list-style-type: none"> 1. Installation on top of a kerb is not recommended, 2. A 24.5 metre x 6 metre clear run-out area is required, measured from the nose of the end treatment.
Gore area use	Not Permitted
Pedestrian area use	Permitted – consider potential for snagging and deflection
Cycleway use	Permitted – consider potential for snagging and deflection
Frequent impact likely	Permitted
Remote location	Not Permitted
Median use	Not Permitted

Foundation Pavement Conditions					
Pavement	Use	Accepted Speed (max)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Permitted	50 km/h	N/a	N/a	Not applicable
Deep lift asphaltic concrete	Permitted	50 km/h	N/a	N/a	Not applicable
Asphaltic concrete over granular pavement	Permitted	50 km/h	N/a	N/a	Not applicable
Flush seal over granular pavement	Permitted	50 km/h	N/a	N/a	Not applicable
Unsealed compacted formation	Not permitted				
Natural surface					

Note: Installation in pavement conditions not listed above have not been justified to the Panel's satisfaction.