Safety Barrier Technical Conditions for Use

ABSORB-M Plastic Crash Cushion - Temporary

Issue Date: 7 June 2021 | **Supplier:** Australian Construction Products

These conditions take precedence over any instructions in the Product Manual.

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.

The Austroads Safety Assessment Panel may at any time, withdraw or modify this Technical Conditions for Use without notice.

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.

Acceptance of this product does not place any obligation on the Northern Territory Government or its contractors, to purchase or use the product.

Status	**Recommended for Acceptance**
Product accepted	ABSORB-M Plastic Crash Cushion Variants Variants that are NOT listed above are NOT recommended for acceptance.
Accepted Speed	80 km/h
Product Manual reviewed	P/N 1620596 (ECN 60083)
Product Manual	http://www.acprod.com.au/uploads/technical/manuals/1620596_absorb-m_installation_manual_aus-nz_-_ecn_37729.pdf

Design Requirements

Containment Level	Point of Redirection		Tested Article Length (m)	Anchor/Post Spacing (m)	Notes
	Leading (m)	Trailing (m)			
MASH TL3	Non-redirective		5.29	Freestanding	Permitted on freestanding barrier systems. Speed restricted product to 60km/h on anchored steel barrier systems. Exhibits behaviour similar to a gating terminal
MASH TL3	Non-redirective		7.22	Freestanding	Speed restricted product to 80km/h Exhibits behaviour similar to a gating terminal

Approved Connections

An accepted end treatment must be provided at both ends of all barrier installations	
Public Domain Products	
W-Beam Guardrail	Not permitted
Thrie-Beam Guardrail	Not permitted
Concrete	Permitted – freestanding only
Proprietary Products	
	Refer to Safety Barrier Technical Conditions for Use for approved proprietary connections

Design Guidance

Minimum installation length	TL2 - 5.29 (2 units) TL3 - 7.22 (3 units)
System width (m)	0.67
Slope limit	10%
Systems conditions	1. A 18.5 metre x 6 metre clear run-out area is required, measured from the connection to the longitudinal barrier. 2. Installation on top of a kerb is not recommended
Gore area use	Permitted
Pedestrian area use	Permitted
Cycleway use	Permitted
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted

Foundation Pavement Conditions					
Pavement Type	**Use**	**Max Accepted Impact Speed (km/h)**	**Post/Pin Spacing (m)**	**Post/Pin Type**	**Pavement Construction**
Concrete	Permitted	80	<u>Freestanding</u> Foundation pavement conditions must be smooth and free of snag points, kerbs or obstructions that my interfere with the operation of the product		
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement					
Flush seal over granular pavement					
Unsealed compacted formation					

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