

## Interim Acceptance for Safety Barrier Product

**Product:** Ezy Guard W-Beam Barrier System (Smart & HD variants)  
**Safety Barrier - Permanent**

**Expiry Date:** 30 June 2012

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The Ezy-Guard W-Beam barrier system (both Smart and HD variants) has been tested in accordance with the AASHTO Manual for Assessing Safety Hardware (MASH-01) testing criteria which exceed the current NZ Transport Agency minimum requirement of NCHRP 350 TL3 for side protection. Accordingly, the Ezy-Guard W-Beam barrier system (Smart and HD variants) is deemed to comply with the required evaluation criteria for NCHRP 350 Test Level 3 (TL-3).

This interim acceptance, pending update of the NZ Transport Agency's M23 Specification for Road Safety Barrier Systems, is to confirm the acceptance by the NZ Transport Agency of the Ezy-Guard W-Beam barrier system (Smart and HD variants) for use on the State highway network.

### Product Identification



Ezy-Guard Smart W-Beam barrier Front view



Ezy-Guard Smart W-Beam barrier Rear view



Ezy-Guard HD W-Beam barrier Rear view

## Conditions of Use

The Ezy-Guard W-Beam barrier system (Smart and HD variants) must be installed and maintained in accordance with the product installation/maintenance manual and relevant NZ Transport Agency specifications. NZ Transport Agency specifications and standards shall prevail where there is discrepancy between the product manual(s) and the NZ Transport Agency specifications and standards.

Installers must ensure that they are familiar with relevant conditions, requirements and limitations of the system, particularly with regard to the appropriate length of need, minimum installation length and test deflection. Vehicle impacts that vary from the NCHRP Report 350 or MASH-01 impact conditions may result in significantly different results than those experienced in testing.

Approved M23-compliant end terminals must be used to terminate and anchor the Ezy-Guard W-Beam barrier system (Smart and HD variants).

The Ezy-Guard W-Beam barrier system (Smart and HD variants) has been evaluated in accordance with the Test Level 3 criteria presented in AASHTO Manual for Assessing Safety Hardware (MASH-01) under the following test conditions:

- 1100kg small car impacting at an angle of 25° and a nominal speed of 100kph;
- 2270kg pick-up truck impacting at an angle of 25° and a nominal speed of 100kph.

These criteria exceed those of NCHRP 350 Test Level 3.

A copy of this Interim Acceptance must be appended to the Installation Manual.

### In-Service Performance Report

This interim approval requires the notification to the NZ Transport Agency of any site where the Ezy-Guard W-Beam barrier system (Smart and HD variants) is to be installed and the submission of an in-service report covering all installations after 12 months from the date of this acceptance notice. Dependant on the number and timeframe of installations, this period may be extended.

### Expiry of Acceptance

This acceptance expires on 30 June 2012 and replaces any previous acceptance.

New installations of the Ezy-Guard W-Beam barrier system (Smart and HD variants) must not be deployed on the state highway network after the expiry date of acceptance unless a further period of acceptance is granted or the product has been formally included in the NZ Transport Agency M23 Specification for Road Safety Barrier Systems, in which case the M23 specification would replace this interim acceptance.

Should the NZ Transport Agency discover that the qualification testing was flawed, that in-service performance reveals unacceptable safety problems, or that the system being marketed differs significantly from that which was crash tested, it reserves the right to modify or revoke its acceptance.

**Authorised by the National Traffic and Safety Manager**