

## **Interim Acceptance for Safety Barrier Product**

**Product:**                **ArmorZone™ TL2 Plastic Barrier System**  
**Safety Barrier - Temporary**

**Expiry Date:**        **30 June 2020**

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The ArmorZone™ TL2 temporary barrier system, previously known as Armorflex P2 TL2 plastic barrier system, has been tested in accordance with NCHRP Report 350 and was accepted as compliant with the required evaluation criteria for Test Level 2 (TL2). Pending further updates to the NZ Transport Agency's M23 Specification for Road Safety Barrier Systems, the ArmorZone™ TL2 temporary barrier system is granted interim acceptance by the NZ Transport Agency for use on the state highway network, with the following conditions:

### **Product Identification**



**ArmorZone™ TL2 End Treatment**



**ArmorZone™ TL2 Barrier**

### **Conditions of Use**

The ArmorZone™ TL2 temporary barrier system 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 impact conditions may result in significantly different results than those experienced in testing.

The ArmorZone™ TL2 temporary barrier system has been evaluated in accordance with the Test Level 2 criteria presented in NCHRP Report 350 under the following test conditions:

- 820kg small car impacting at an angle of 20° and a nominal speed of 70kph;
- 2,000kg pick-up truck impacting at an angle of 25° and a nominal speed of 70kph.

All units MUST be connected with the appropriate steel connecting pin and filled with water when in use.

The ArmorZone™ TL2 End Treatment forms an integral part of this system and MUST be installed and maintained in accordance with the product installation/maintenance manual and relevant NZ Transport Agency specifications and CoPTTM.

Should the end treatment component of this system NOT be fitted, or the system not correctly filled with water ballast, the barrier system will be considered non-conformant with this acceptance.

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

### **Expiry of Acceptance**

This acceptance expires on 30 June 2020 and replaces any previous acceptance.

New installations of the ArmorZone™ TL2 temporary barrier system 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, at any time, to modify or revoke its acceptance of the ArmorZone™ TL-2 temporary barrier system.

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