SUMMARY OF RESULTS

Test Agency

MIRA Ltd, Watling Street, Nuneaton, Warwickshire, CV10 0TU, UK Tel: +44 (0)24 7635 5000 Mail: enquiries@mira.co.uk

Product

Designation **Drawings Supplied** Installation of Foundation (Date) Installation of Product (Date)

Test Vehicle

Make/Type VIN Kerb Weight GVW

Toyota Hilux 4x4 Single Cab pick-up JTFKP6267000323315 1622 2515

Impact Specification	Target	Achieved
Mass (kg)	2500	2501
Speed (km/h)	64	63.7
Angle (deg)	90	90.8
Energy (kJ)	395	392

Vehicle halted by bollard. Bollard deflected to 71.1deg. Small crack in outer shell at bottom of rear face. No foundation displacement.

Penetration

Product Result

Dynamic Vehicle Load-bed Penetration (m) Static Vehicle Load-bed Penetration (m) Dispersion of Debris (m)

Manufacturer

-0.414 -0.625 No debris ejected

Marshalls Mono Ltd, Birkby Grange, Birkby Hall Road, Huddersfield HD2 2YA

PAS68:2007 Performance Classification – Vehicle impact Test			
Performance Classification:	V/2500/64/90:0.0/0.0		
Note:not given for load-bed penetration > 25m			
Product Type	Fixed Bollard		
Test Mass (kg)	2501		

ER:1407 Fixed Bollard 7th October 2009 29th June 2009 7th October 2009

rest Speed (km/n)	03.7	
Vehicle Penetration (m)	0.0	
Dispersion of Debris (m)	0.0	
Engine Running post test	No	
Vehicle Driveable Post test	No	
Follow-on vehicle could pass barrier	No	

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