ZC-QA-001 Technical Compliance Manual

Supplier: ZERO CIVIL Pty Ltd

Product: Advanced Polymer Bollard + Impact Recovery System

Model: Extra Heavy Duty

Code: APB+IRS650XHD

Date: July 2026

PROTECT Infrastructure | **REDUCE** Waste | **SAVE** Time & Cost | **SUSTAIN** the Future

This Technical Compliance Manual has been prepared to assist engineers, asset owners, contractors and approving authorities in the evaluation, specification, installation, operation and maintenance of the ZERO CIVIL product system.

It brings together the product specifications, engineering information, installation requirements, quality documentation and supporting references applicable to the products described within this manual.

Supporting Documents

ZC-TEST-001 Independent Engineering Testing

ZC-APP-001 Approvals & Industry Recognition

ZC-CASE-001 Industry Acceptance & Case Studies

ZC-WAR-001 Product Warranty

ZC-INS-001 Insurance Certificate

ZC-CONF-001 Certificate of Conformance

ZC-INST-001 Installation Guide

ZERO CIVIL products are supported by more than two decades of field performance, independent engineering evaluation and widespread industry adoption. Together, these provide confidence that the system is designed, tested and proven for long-term infrastructure applications.

- 20+ years in service
- Independently tested
- Accepted by road authorities
- Thousands of installations
- WorkSafe Award recipient
- Innovation Award recipient

Material & Manufacturing Standards

- AS/NZS 4766 – Polyethylene materials
- ASTM D2565 – Accelerated UV weathering
- AS 4100 – Structural steel (Resistance Core)
- AS/NZS 1554 – Welding of steel components

PRODUCT FAMILY

1. **ZERO WASTE™ Foundations**

   Reusable ground socket system designed to protect concrete footings while enabling rapid installation, replacement and asset reuse.

2. **Advanced Polymer Bollards**

   UV-stabilised, non-conductive polyethylene bollards engineered for long service life, corrosion resistance and low maintenance.

3. **Impact Recovery System™**

   Engineered Impact Recovery System that enables the bollard to deflect under impact while protecting surrounding pavements and concrete footings.

   - **Surface Mount** (IRS-SM)

     Heavy Duty Resistance Core for installation onto existing concrete surfaces where excavation is impractical.

   - **In-ground 350**(IRS-350)

     Heavy Duty Resistance Core providing an economical impact recovery solution for lower-risk environments.

   - **In-ground 650**

     1. **Heavy Duty Resistance Core** (IRS-650)
        providing increased impact resistance through deeper embedment and improved stability.

     2. **Extra Heavy Duty Resistance Core** (IRS-650-XHD)
        Extra Heavy Duty Resistance Core providing maximum impact capacity for higher-risk environments, including utility and service vehicle applications.

Installation & Maintenance Tools

Ergonomically designed tools support safe, fast and efficient installation, maintenance and rapid replacement of items secured using ZERO WASTE Foundations.

TECHNICAL DOCUMENTATION

Scan the QR code to access the latest technical resources, including:

- Product Specifications
- Certificate of Conformance
- Technical Drawings
- Installation Guides
- Maintenance & Replacement Procedures
- Material Data Sheets
- Engineering Test Reports
- Warranty Information

DESIGN CONSIDERATIONS

The ZERO CIVIL Impact Recovery System is intended for use in infrastructure applications where low-speed impact recovery, asset protection and foundation preservation are required. System selection should be based on the project-specific design requirements, expected vehicle types, impact conditions and the applicable project specifications.

REFERENCE STANDARDS

- AS/NZS 3845
- AS 1742
- AS 1428
- Project-specific authority specifications
  (PTA, Main Roads WA, Western Power, etc.)

DOCUMENT REGISTER

Document No.	Document
ZC-QA-001	Document Register
ZC-QA-002	Certificate of Conformance
ZC-AP-001	Advanced Polymer Bollard Data Sheet
ZC-IRS-001	Impact Recovery System Data Sheet
ZC-IRSRC-001	Extra Heavy Duty Resistance Core
ZC-INST-001	Installation Guide
ZC-MAINT-001	Inspection & Maintenance Guide
ZC-SWMS-001	Safe Work Method Statement

Supplier: ZERO CIVIL Pty Ltd
Product: Advanced Polymer Bollard + Impact Recovery System
Model: Extra Heavy Duty
Code: APB+IRS650XHD
Project: PTA (insert project name)
Date: July 2026

This Certificate of Conformance certifies that the products supplied by ZERO CIVIL have been manufactured in accordance with ZERO CIVIL's published technical specifications and quality assurance procedures. Supporting test reports and material certifications are referenced where applicable.

The products supplied are:

- ZERO WASTE Foundations
- Advanced Polymer Bollards
- Extra Heavy Duty Impact Recovery System 650 mm Depth (IRS-650XHD)
- Manufactured from the specified materials
- Manufactured in accordance with the approved product design
- Subject to standard quality inspection prior to dispatch

Supporting documentation:

- Product Data Sheet
- Installation Instructions
- Material Specifications
- Relevant test documentation (where applicable)

Signed

Lisa Kasten
Managing Director

Smart Urban Pty Ltd T/A ZERO CIVIL

CERTIFICATE OF CONFORMANCE

Product Data Sheet Advanced Polymer Bollard casing

Document No: ZC-APB-001
Revision: 1.0
Issue Date: July 2026
Prepared By: ZERO CIVIL Pty Ltd

Product Description

The ZERO CIVIL Advanced Polymer Bollard is a heavy-duty, non-conductive , UV Stabilised polyethylene bollard designed for pedestrian delineation, asset protection and low-speed vehicle impact applications.

Manufactured from UV-stabilised linear medium density polyethylene (LMDPE), the bollard provides excellent durability, corrosion resistance and long-term outdoor performance without requiring painting or protective coatings.

The bollard may be installed directly into concrete or incorporated into compatible ZERO CIVIL mounting systems.

Typical Applications

- Public transport infrastructure
- Rail corridors
- Electrical assets
- Car parks
- Shopfronts
- Shared paths
- Pedestrian areas
- Bike Paths
- Coastal regions
- Shopping centre Carparks
- Drive-throughs
- Utilities
- Commercial developments
- Industrial facilities
- Disabled Bays
- Warehouses

Reference Standards

- AS/NZS 4766
- ASTM D2565

Features

- Non-conductive
- UV stabilised
- Corrosion resistant
- Chemical resistant
- Moisture resistant
- High impact resistance
- Abrasion resistant
- Lightweight
- Maintenance free finish
- Available in multiple colours
- Compatible with ZERO CIVIL installation systems

Material

Property	Specification
Material	Linear Medium Density Polyethylene (LMDPE)
Resin	Hexene Copolymer VP319
UV Protection	Long-term UV stabilisation package
Colour	Safety Yellow (standard)
Electrical Conductivity	Non-conductive

Mechanical Properties

Property	Value
Tensile Strength	1,400 psi
Tensile Modulus	57,000 psi
Tensile Elongation at Break	100%
Flexural Modulus	29,000 psi

Performance Characteristics

The Advanced Polymer material provides:

- Excellent impact resistance
- High flexibility under load
- Excellent toughness
- Reduced risk of brittle fracture
- Excellent weather resistance
- Corrosion resistance
- Moisture resistance
- Scratch resistance
- Abrasion resistance
- Chemical resistance
- Long service life (50 years / 25 years in direct sunlight)

Strength tested to AS/NZS 4766:2006 and incorporates UV20 protection to ASTM D2565.

Standard Dimensions

Diameter	Wall Thickness	Standard Lengths
150 mm	7 mm	1250 mm, 1800 mm

(1800 mm can be reduced to desired length/ height)

Product	Weight
APB-1200	3 kg
APB-1800	6 kg

Installation Options

The Advanced Polymer Bollard is compatible with:

- Direct in-ground installation
- Surface-mounted systems
- ZERO CIVIL Impact Recovery Systems

Refer to the relevant installation data sheet for installation requirements.

Inspection & Maintenance

Periodic inspections should confirm:

- Bollard remains well aligned
- Reflective bands remain serviceable (where fitted).
- Surface damage does not compromise serviceability.

Cleaning may be carried out using mild detergent and water./ car polish

Compatibility

Compatible with:

- ZERO CIVIL Surface Mount System
- ZERO CIVIL In-Ground System
- ZERO CIVIL Impact Recovery System
- Heavy Duty Resistance Core
- Extra Heavy Duty Resistance Core

Product Limitations

The Advanced Polymer Bollard is intended for delineation and asset protection applications. Where certified vehicle containment is required, a suitably tested vehicle restraint or crash-rated bollard system should be specified.

ZERO WASTE IMPACT RECOVERY SYSTEM™

In-Ground System

Product Data Sheet

Document No.: ZC-IRS-001
Revision: 1.0
Issue Date: July 2026
Prepared By: ZERO CIVIL Pty Ltd

Product Description

The ZERO WASTE Impact Recovery System™ is a modular in-ground mounting system designed to protect bollards, concrete foundations and surrounding pavement from damage following vehicle impacts.

The system incorporates a replaceable resistance core and elastomeric recovery rings that absorb impact energy . The system is designed to limit bollard deflection to 20° under its intended design application before gradually returning to its normal operating position following low-speed impacts. Where higher impact forces occur, the sacrificial resistance core may be replaced without removing the concrete footing.

Typical Applications

- Public transport infrastructure
- Railway stations
- Car parks
- Utility assets
- Electrical substations
- Commercial developments
- Industrial facilities
- Warehouses
- Shared paths
- Public spaces
- Bike Paths
- Urban streetscapes
- Drive-throughs
- Shopping centre carparks
- Disabled Bays

Reference Standards

- AS 4100
- AS/NZS 1554
- AS/NZS 3845

Features

- Reusable in-ground mounting system
- Replaceable internal components
- Controlled impact deflection
- Self-recovery following low-speed impacts
- Protects surrounding concrete footings
- Modular construction
- Reduced excavation during maintenance
- Compatible with multiple bollard types
- Available in Heavy Duty and Extra Heavy Duty configurations

System Components

A standard In-Ground ZERO WASTE Impact Recovery System™ comprises:

- ZERO WASTE Foundation Socket
- Resistance Core (Heavy Duty or Extra Heavy Duty)
- Two Impact Recovery Rings
- Two Stainless Steel Securing Clamps
- Stainless Steel Securing Stud
- Socket Cap

Installation tools are supplied separately.

Compatible Bollards

The system is compatible with:

- Advanced Polymer Bollards
- Galvanised Steel Bollards (coming soon*)
- Stainless Steel Bollards

using the appropriate Impact Recovery Rings.

Available Configurations

Model	Typical Application
IRS-350	Existing concrete footings and low-speed environments
IRS-650	Free-standing footings and increased impact resistance
IRS-XHD-650	Higher-risk locations requiring increased structural resistance

The appropriate configuration should be selected based on site conditions, expected vehicle types and project requirements.

Model	Depth	Resistance Core	Typical Application
IRS-350	350 mm	Heavy Duty	Car parks, shared paths, existing footings
IRS-650	650 mm	Heavy Duty	Industrial sites, utilities, public infrastructure
IRS-XHD-650	650 mm	Extra Heavy Duty	Utility vehicles, service vehicles, light trucks, high-risk locations

Operating Principle

Under impact, the bollard transfers energy into the Impact Recovery System rather than directly into the concrete footing.

The recovery rings absorb impact energy while the Resistance Core controls the extent of movement. Following low-speed vehicle impacts, the bollard gradually returns to its normal operating position.

Where impact forces exceed the design capacity of the system, replaceable sacrificial components may require replacement while helping preserve the surrounding footing.

Benefits

- Protects concrete foundations from damage
- Eliminates ongoing excavation and reinstatement works
- Simplifies maintenance
- Allows rapid replacement of damaged bollards
- Extends infrastructure service life
- Supports sustainable asset management

Inspection and Maintenance

Periodic inspection should confirm:

- Bollard returns to its normal position after minor impact.
- Bollard remains clean without scuff marks

Damaged components should be replaced as required.

Product Limitations

The ZERO WASTE Impact Recovery System™ is intended for low-speed vehicle impact applications such as car-parks. System selection should consider site conditions, vehicle types, expected impact severity and applicable project requirements.

ZERO WASTE™ Extra Heavy Duty Resistance Core

Product Data Sheet
Document No: ZC-RC-002
Revision: 1.0
Date: July 2026

Product Description

The ZERO WASTE™ Extra Heavy Duty Resistance Core is the primary structural component of the ZERO WASTE Impact Recovery System™.

Manufactured from heavy-wall galvanised steel, the Resistance Core provides the structural resistance required to protect pedestrians, assets and infrastructure from low-speed vehicle impacts while allowing sacrificial bending during higher impact events.

The Extra Heavy Duty Resistance Core provides approximately **150% greater resistance to bending** [compared with the standard Heavy Duty Resistance Core] and is intended for installations subject to impacts from utility vehicles, service vehicles and light trucks.

Typical Applications

- Railway infrastructure
- Electrical substations
- Utility assets
- Industrial facilities
- Warehouses
- High-risk car parks
- Loading zones
- Areas accessed by maintenance vehicles
- Locations with frequent utility vehicle traffic

Features

- Extra Heavy Duty galvanised steel construction
- Improved resistance to bending
- Sacrificial structural component
- Replaceable without disturbing the concrete footing
- Compatible with ZERO WASTE Impact Recovery Systems
- Factory assembled with self-locking taper
- Hot-dip galvanised for corrosion protection

Specifications

Property	Specification
Material	Galvanised Steel Pipe
Wall Thickness	5.5 mm
Installation Depth	650 mm
Overall Length	950 mm
Finish	Hot-dip Galvanised
Compatible System	ZERO WASTE Impact Recovery System™ – 650 mm

Performance

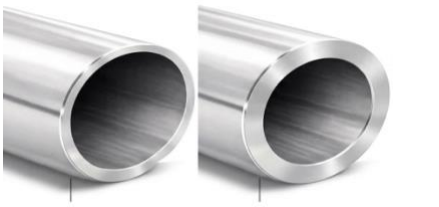
Compared with the standard Heavy Duty Resistance Core, the Extra Heavy Duty Resistance Core provides:

- Approximately **150% greater resistance to bending**
- Increased resistance to repeated impacts
- Reduced likelihood of Resistance Core replacement
- Improved suitability for utility vehicles and light trucks

The increased stiffness may also increase impact loads transferred to passenger vehicles and should therefore only be selected where the additional resistance is required.

Increased resistance

- Approximately 150% greater resistance to bending
- Approximately 150% increase in bending resistance



Heavy Duty Extra Heavy Duty

Compatibility

Compatible with:

- ZERO WASTE Impact Recovery System™
- Advanced Polymer Bollards

Inspection

Inspect following vehicle impacts for:

- Permanent bending
- Corrosion
- Clamp security

Replace if permanent deformation exceeds serviceability requirements.

Replacement

The Resistance Core is the only sacrificial structural component within the ZERO WASTE Impact Recovery System™.

Where severe impacts occur, the Resistance Core may be replaced while retaining the existing foundation, recovery rings, clamps and bollard (subject to inspection). This minimises maintenance time, excavation and waste.

Replacement Core is provided with self-locking taper attached- ready to install. The damaged resistance core is levered out using the ergonomic removal tool (from a standing position, facing traffic).

The replacement core is then dropped into the ground socket, automatically locking in with over 300kg force. Refer to Directions for details of correct installation procedures.

INSTALLATION GUIDE

ZERO WASTE™ Impact Recovery System

STEP 1 Install Ground Socket

1. Excavate the footing to the project dimensions.
2. Place a small amount of rubble in the base to support the socket and assist drainage (pierce socket base if drainage is required).
3. Insert the Installation Tool into the Ground Socket and lower into the excavation.
4. Position the socket so the top sits **flush with finished ground level**.
5. Fill with **minimum 30 MPa concrete** and check alignment using a spirit level.
6. Remove the Installation Tool by rotating it free.
7. Fit the protective cap and allow the concrete to fully cure before installing the bollard or post.

Important

- The Ground Socket must be installed with the flush with the finished ground level.
- Do not allow the socket to protrude above the pavement.
- Do not use rapid-set concrete or grout.
- Use minimum 30 MPa concrete.
- Colour-match concrete where required.

STEP 2 Install Bollard

1. Attach the Self-Locking Taper to the bollard using the supplied fixing screw.
2. Lower the bollard vertically into the Ground Socket.
3. Firmly tap into position until the taper seats completely.
4. Ensure the taper finishes flush with the top of the socket.
5. Confirm the bollard is secure.

Removal

Insert the Removal Tool alongside the bollard and apply leverage from a standing position.

For severely impacted bollards:

- Break the friction seal using the base of the Removal Tool.
- Lift the bollard from the socket.
    - If the Resistance Core has sheared, use the supplied Extraction Tool.

Tools Required

- Installation Tool
- Removal Tool
- Spirit Level
- Drill / Driver
- Concrete Mixer
- Rubber Mallet

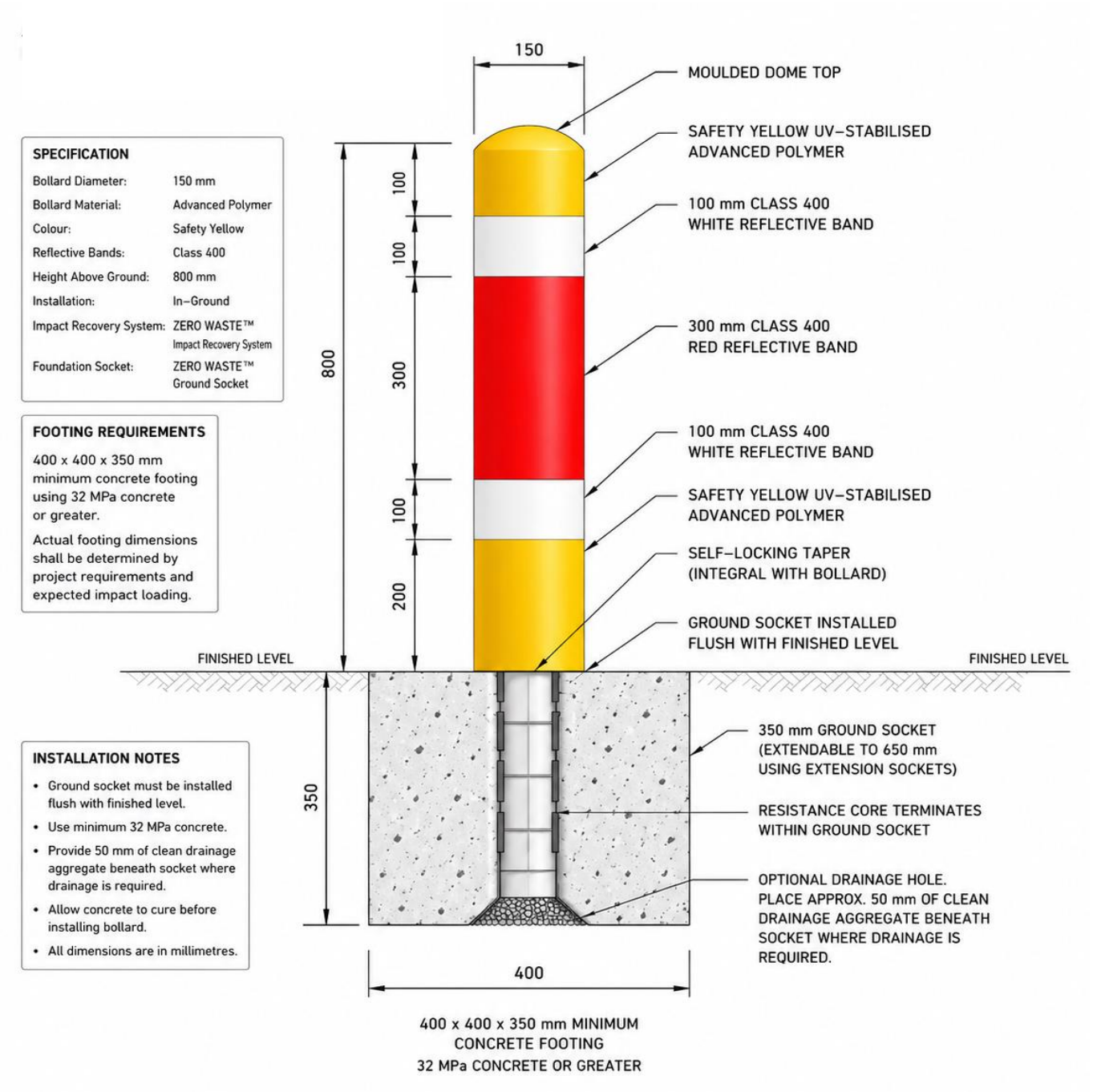
Safety

- Dial Before You Dig.
- Install appropriate traffic management.
- Wear appropriate PPE.
- Lift using correct manual handling techniques.
- Keep socket capped until installation of bollard to prevent entry of debris and concrete.

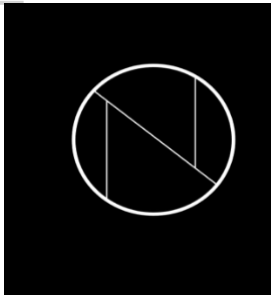
Need help?

Scan the QR code to view installation videos, replacement procedures and maintenance guides.

P.T.A SPEC DRAWING



INDICATIVE IMPACT PERFORMANCE



INSTALLATION METHOD	MAX IMPACT	OUTCOME FOLLOWING IMPACT
In-ground – Concrete Filled	**≈ 8 km/h**	Concrete filling increases stiffness but offers little practical improvement in impact tolerance. Because the bollard becomes less able to flex, higher loads are transferred into the footing, which may increase the risk of footing damage or dislodgement.
In-ground – Hollow	**≈ 10 km/h**	The hollow bollard can flex and recover from light impacts. Under more severe impact, permanent deformation may occur, and the bollard may not fully recover. Footing damage remains possible because there is no impact recovery mechanism below ground.
Impact Recovery – Surface Mount	**≈ 13 km/h**	Bollard deflects and self-recovers under low-speed impact and side glances. Under higher-speed impact, the resistance core can bend and require replacement. **Surrounding footing is not damaged.**
Impact Recovery – In-ground 350	**≈ 16 km/h**	Improved stability over surface mount. Bollard deflects and self-recovers under low-speed impact and side glances. Under higher-speed impact, the resistance core can bend and require replacement. **Surrounding footing is not damaged.**
Impact Recovery – In-ground 650	**≈ 19 km/h**	Greater embedment improves resistance to more serious low-speed impacts. Bollard deflects and self-recovers under low-speed impact and side glances. Under higher-speed impact, the resistance core can bend and require replacement. **Surrounding footing is not damaged.**
XHD Impact Recovery – In-ground 650 (Extra Heavy Duty)	**≈ 21 km/h**	Highest-duty option for severe low-speed impacts, including impacts from utility vehicles or trucks. Bollard deflects and self-recovers under low-speed impact and side glances. Under higher-speed impact, the resistance core can bend and require replacement. **Surrounding footing is not damaged.**

PRODUCT WARRANTY

Limited Product Warranty

ZERO CIVIL® warrants that products supplied by ZERO CIVIL are free from defects in materials and workmanship for a period of three (3) years from the date of supply, subject to the conditions of this warranty.

This warranty applies to the following product families:

- ZERO WASTE™ Foundations
- Advanced Polymer Bollards
- Impact Recovery System™
- Heavy Duty Resistance Cores
- Extra Heavy Duty Resistance Cores
- Surface Mount Systems
- Installation and Maintenance Tools (where applicable)

Warranty Conditions

This warranty applies where products have been:

- Installed in accordance with ZERO CIVIL installation instructions.
- Used for their intended purpose and application.
- Maintained in accordance with ZERO CIVIL recommendations.
- Not modified, altered or repaired without prior written approval from ZERO CIVIL.

Warranty Exclusions

This warranty does not apply to:

- Damage resulting from vehicle impacts exceeding the intended design application.
- Incorrect installation or handling.
- Misuse, abuse or vandalism.
- Damage caused by third parties.
- Normal wear and tear.
- Corrosion or deterioration resulting from exposure outside the product's intended operating environment.
- Unauthorised modification or repair.
- Natural disasters or events beyond the reasonable control of ZERO CIVIL.

Warranty Remedy

Where a product is found to be defective in materials or workmanship during the warranty period, ZERO CIVIL may, at its sole discretion:

- Repair the product
- Replace the product with the same or an equivalent product
- Supply replacement components; or
- Provide a credit for the value of the defective product.

The warranty is limited to the defective product only and does not extend to labour, installation, removal, freight, consequential loss or damage to surrounding infrastructure unless otherwise agreed in writing.

Product Performance

The Impact Recovery System™ is engineered to absorb and recover from **low-speed vehicle impacts within its intended design application**. Product performance depends on factors including vehicle mass, speed, angle of impact, installation method and site conditions.

Impact events outside the intended design application are not covered by this warranty.

Legal Notice

This Product Warranty should be read in conjunction with the current ZERO CIVIL Standard Terms and Conditions of Sale.

Exclusion or Limitation of Warranties (extract from Terms and Conditions of Sale)

4.1 All other conditions and warranties of any type in relation to the Zero Civil products purchased are excluded to the maximum extent allowed by the law. In respect of Zero Civil products purchased (being not of a kind ordinarily acquired for personal, domestic, or household use or consumption), the liability of Zero Civil for a breach of any condition or warranty implied by law is limited to any one or more of the following, at the option of Zero Civil: Replacing the product purchased, or supplying an equivalent Zero Civil product; repairing the products purchased; or providing a credit note to the purchaser, in respect to the damaged goods, upon return of the damaged goods to Zero Civil.

ZERO CIVIL PRODUCT LIABILITY INSURANCE

Note: This Certificate of Currency is current at the date of publication of this document. Updated certificates are available upon request.

RELYON INSURANCE

Level 2, 338 Pitt Street,
Sydney NSW 2000
Phone: 1300 249 268

Certificate of Currency

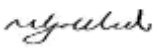
Business Insurance

Scan the QR code for real-time confirmation of this policy's currency.

BizCover provides this QR code for your convenience and to facilitate real-time verification of your policy status. Scanning this QR code confirms the live status of the policy as issued by BizCover. The information is accurate at the time of scanning but may change without notice. If you share this QR code with a third party, you consent to them accessing the associated policy information. BizCover accepts no liability for unauthorised use or reliance on the information accessed through this code.

This Certificate:

- is issued as a matter of information only and confers no rights upon the holder;
- does not amend, extend or alter the coverage afforded by the policy listed;
- is only a summary of the cover provided. For full particulars, reference must be made to the current policy wording;
- is current only at the date of issue.

Name Of Insured	Smart Urban Pty Ltd Trading As Smart Urban (ABN: 54149854080)
Policy Number	BIZ062688BUS
Policy Period	4.00pm Local Standard Time on 06 Dec 2025 to 4.00pm Local Standard Time on 06 Dec 2026
Interest Insured	Business Insurance
Situation	6/83 Kent Way Malaga, MALAGA, WA, 6090
Sum Insured	**Public & Products Liability:** $10,000,000
Interested Party	None Noted
Underwriter	Jointly issued by HDI Global Specialty SE through its Australian Branch (ABN 58 129 395 544 AFSL 4587765) and Chubb Insurance Australia Limited (ABN 23 001 642 020, AFSL 239687)
Signature	
Name of Signatory	Michael Gottlieb (BizCover)
Capacity/Title	Director

COWDEN (WA) PTY LTD
THE INSURANCE BROKERS
A.B.N. 75 666 949 793 | AFS Licence No. 549618
985 Wellington Street WEST PERTH WA 6872
P.O. Box 60 WEST PERTH WA 6872
Phone: (08) 9322 4822

CERTIFICATE OF CURRENCY

INSURED:	Polyplastics Pty Ltd	
CLASS:	Industrial Special Risks	
INTEREST INSURED:	1. Material Loss or Damage	
	2. Business Interruption	
SITUATION:	358 Victoria Road Malaga WA 6090	
DECLARED VALUES:	Section 1 Material Damage	
	Building	$1,811,250
	Plant, Machinery, Contents Inc Stock	$7,691,432
	Removal of Debris	$100,000
	Section 2 Business Interruption	
	Gross Profits	$3,252,642
	12 Months Indemnity Period	
	Claims Preparation costs & Professional Fees	$100,000
	AICOW	$200,000
INSURER:	Miramar Underwriting Agency Pty Ltd (ABN 97 111 534 797) insured 100% by Lloyds of London	
POLICY NO:	IS-172851-R	
PERIOD:	From: 4:00pm Local Standard Time on 30th November 2023	
	To: 4:00pm Local Standard Time on 30th November 2024	

This Insurance Contract is current as at Certificates of Currency the date of this certificate. Whilst an expiry date has been indicated, it should be noted that the policy may be cancelled in the future. The certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy which may also be subject to sub-limits or assume continuity of the policy beyond the expiry date.

Signed for and on behalf of Cowden Limited

Nadya Anderson
Email: nadya.anderson@cowden.com.au
Phone: (08) 9322 4822
Date: 29 May 2024

ZERO CIVIL

Advanced ZERO WASTE Technologies
Delivering superior developments that are safer, more efficient and more resilient.

zerocivil.com

SCAN CODE TO VIEW
ZERO CIVIL SPECIFICATIONS

PROTECT Infrastructure | **REDUCE** Waste | **SAVE** Time & Cost | **SUSTAIN** the Future