ZERO CIVIL

TECHNOLOGY THAT TRANSFORMS

IMPACT RESISTANT

Made from impact absorbing advanced polymer compound, that provides a safe, soft surface and self recovers from light impact

EASY TO INSTALL

Simply slip covers over existing bollards and secure using tape or a simple screw.

UV RESISTANT

Made with unique blend of Supa UV our Advanced Polymer Covers offer 4.5 times the UV protection required by Australian Standard (AS/NZ 4766:2006)

AVAILABLE IN RANGE OF COLOURS

Bollard covers can be made in almost any colour to suit your corporate image or simply Safety Yellow for visibility. Refer to colour chart for options.

ADVANCED POLYMER BOLLARD COVERS

Photo Dept Transport Safety Yellow Advanced Polymer XHD Impact Recovery Bollards

ADVANCED POLYMER BOLLARD COVERS



Can be coloured to suit project- even stone look grey or brown.
We stock Safety Yellow- other colours made to order.



150 x 1250 H

150 Ø with 7 mm walls.
Fit Bollards 130 Ø mm or smaller.

$150.00



190 x 1250

190 mm Ø with 7 mm walls.
Fit Bollards 165 Ø mm or smaller.

$220.00



190 x 1500

190 mm Ø with 7 mm walls.
Fit Bollards 165 Ø mm or smaller. (NB: Very easy to cut down to desired length)

$250.00

REFLECTIVE STRIPING
Barber striping $10.00
Supply only



It’s time to move from repetition **to resilience**





STEEL BOLLARD

Galvanised steel bollards can require replacement due to corrosion, vehicle impacts, coating failure and general weathering.



POWDER COATING

Helps extend the life of steel used outdoors with a lifespan of **5-10 years in direct sunlight** (NB: imported powder coating can be substantially less)



TRADITIONAL PLASTIC

Low Grade plastic Bollard covers are often very thin walled and dent, can fade, split and crack requiring regular replacement.



ADVANCED POLYMER

Advanced Polymer Bollards and covers have a design life of **around 50 years** (25 years in direct sunlight) and are:

- Material is impact resistant so won't crack or split, remaining in good condition for years
- UV resistant so won't fade and become brittle over time
- Easy to install
- Heavy walled further improving resistance to impact

Advanced Polymer
Long-life Bollard Covers

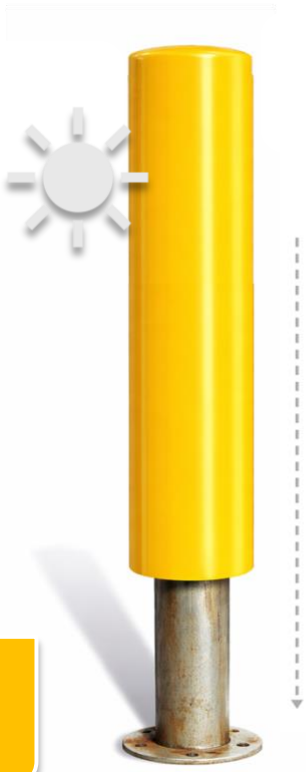
Bollards are subject to impact damage, corrosion, scratching, chipping and weathering over time. Powder-coated steel bollards are particularly susceptible to deterioration and often require ongoing maintenance to maintain their appearance.

Our Advanced Polymer Bollard Covers provide a durable, low-maintenance solution that improves the safety, resilience and appearance of existing steel bollards. Designed to fit over 165 mm steel bollards, they provide a softer, safer surface than steel while maintaining exceptional strength and durability.

Manufactured in Australia from a premium hexene copolymer-based linear medium density polyethylene (LMDPE) blend, our Advanced Polymer incorporates a long-term UV stabilisation package (UV8+) to withstand harsh Australian conditions while delivering outstanding impact resistance, toughness and long-term performance.

Features & Benefits

- High impact resistance
- UV stabilised for long-term colour retention
- Will not rust, chip or corrode
- Excellent toughness and flexibility under load
- Abrasion, scratch and scuff resistant
- Chemical, water and moisture resistant
- Resistant to cracking, splitting and brittle failure
- Reliable performance across a wide temperature range
- Lightweight and high tensile strength
- Long service life with minimal maintenance
- Easy to clean and maintain
- Australian Made



LIFESPAN 50 YEARS
(25 in Direct Sunlight)

Performance

- Strength tested to AS/NZS 4766:2006
- UV20 Protection to ASTM D2565

Scuff marks from tyres can typically be removed using a soft cloth, while automotive polish can be used to restore a high-gloss finish.

Available in a wide range of colours to suit project requirements.

Non-Conductive Protection for **Electrical Assets**

Electrical cabinets, control boxes, switchboards, traffic signal cabinets and substation assets require non-conductive protection. Advanced Polymer Bollards are inherently non-conductive and eliminate the electrical hazards associated with steel and stainless steel.

If steel is used, it must be fitted with an Advanced Polymer Cover to eliminate conductivity. However, for medium–high impact protection, we recommend using Advanced Polymer Bollards on the Impact Recovery System with Heavy Duty or Extra Heavy Duty Resistance Cores. This provides full non-conductive protection with reusable bollards and footings.

Use Advanced Polymer (HD/XHD Impact Recovery) when:

- The asset is electrical
- You need non-conductive safety
- You want zero maintenance
- You want zero rust
- You want to avoid steel casing costs
- You want reusable footings
- You want better whole-of-life value

“Advanced Polymer is non-conductive. When protecting electrical cabinets, switchboards or power assets, always use Advanced Polymer with HD or XHD Impact Recovery for maximum safety and remove any electrical hazard.”

Why non-conductive bollards are essential near electrical infrastructure

Steel and stainless steel:

- conduct electricity
- can energise during a fault
- extend the touch-potential zone
- can become live if a vehicle pushes them into energised equipment
- require equipotential bonding (which nobody wants to deal with)

Concrete

- conducts electricity when wet from rain/sprinklers
- can energise during a fault

Advanced Polymer:

- eliminates touch and step-potential hazards
- cannot become energised
- is permitted in “close approach” zones
- preferred by Western Power, Synergy, ATCO
- Can be made Impact Recovery

This lets you position bollards closer to assets without expensive earthing upgrades.

Resilient Bollard casing

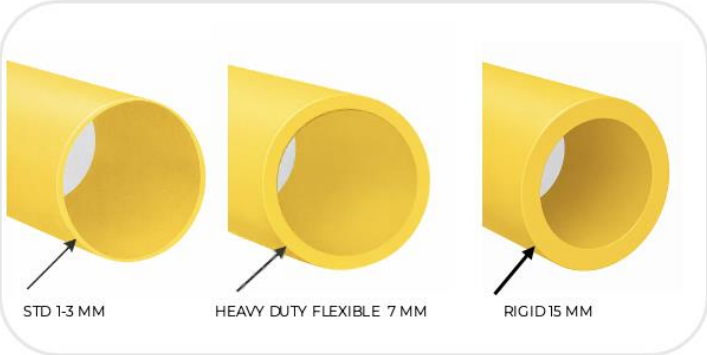
Unlike old fashioned plastics, our Advanced Polymer provides excellent impact resistance, energy absorption and high tensile strength. UV Stabilised to prevent fading and cracking, and is an efficient electrical insulator, making it great for applications where safety is paramount.

- Highly efficient Electrical Insulator
- High impact resistance
- Abrasion Resistant
- Scratch and marking resistant
- Chemical resistant
- Water and moisture resistant
- UV Resistant/ shatter resistant
- Long-wearing
- Corrosion resistant
- Strength tested to AS/NZS 4766:2006
- UV20 Protection to ASTM D2565
- Australian Made

50 YR LIFE EXPECTANCY (25 IN DIRECT SUNLIGHT)

SPECS

Tensile strength at 72°F: 1,400 psi
Tensile modulus: 57,000
Tensile elongation at break: 100%
Flexural modulus: 29,000 psi



Impact-Resistant

Unlike rigid materials, Advanced polymers absorb impact energy, allowing the bollard to “flex” and recover, reducing the force transferred into the footing and the subsequently reducing the risk of expensive footing damage.

Bollards are made from a solid piece of Advanced Polymer material, with **heavy duty 7 mm walls** which is robust enough to withstand impact and malleable enough to maintain the ability to absorb impact “flex” and recover.

UV Resistant

Advanced Polymer Bollards and Bollard Covers are made of a plastic material- but modern plastics have come a long way in the past twenty years. Many have seen the effects on plastic objects that are exposed to the harmful UV-rays of our Sun. Over time, they become brittle, chalk and crack as the polymer elongation drops, that is, the structural integrity of plastic such as PVC.

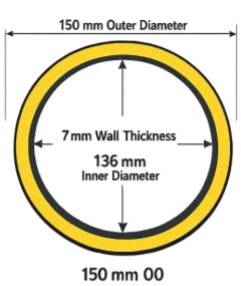
The natural conclusion is that poly Bollards won’t last long in the Sun. This is just not true, especially not with our Advanced Polymer Bollards and Bollard Covers which are made from a blend of LDPE, Ultra-Violet Stabilization and VP319 Resin our Advanced Polymer Bollards and Bollard Covers have more than **4.5 times the UV8 protection required by the Australian standard (AS/NZ 4766:2006).**

Easy to install

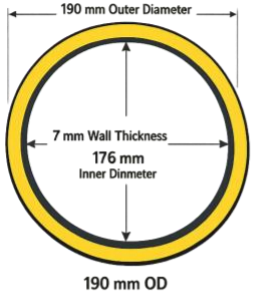
Secure Bollard covers using padded tape or a single screw.

Dimensions	mm
Outside diameter	190
Wall	14
Inside diameter	176
Padding /Silicone	10
Bollard diameter	165

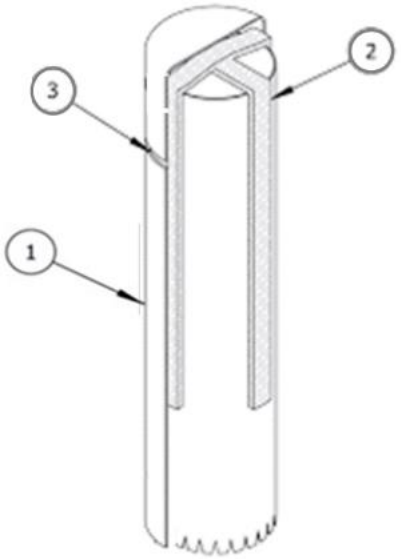
Dimensions	mm
Outside diameter	150
Wall	14
Inside diameter	136
Padding /Silicone	Varies
Bollard diameter	>130



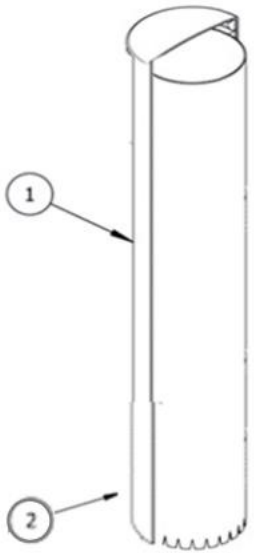
150 mm OD



190 mm OD

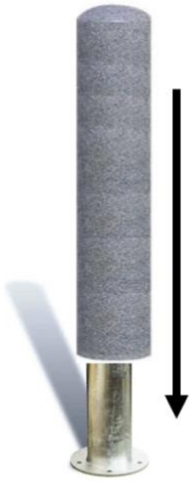


1.Cover
2. Padded tape
3. Padded tape



1.Cover
2. Screw





Bollard Cover





ALSO AVAILABLE IN STONE LOOK GREY OR BROWN

NOTE: COLOURS ARE INDICATIVE ONLY REFER TO COLOUR SAMPLES FOR ACCURATE COLOURS

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