

CROWDED SPACES SOLUTIONS



CREATED BY

Ezi Security Systems
SERIOUS SECURITY IS EZI

VERSION SEPTEMBER 2018



SAFER PUBLIC SPACES.

OUR PHILOSOPHY

Ezi Security Systems designs, manufactures and installs a premium range of perimeter security solutions for both vehicle and pedestrian access control, with specialised expertise in Hostile Vehicle Mitigation and protection of Crowded Spaces. With core competence established over 23 years, Ezi Security Systems provides innovations of our own invention, and via alliances with undisputed world leaders in our field, deliver sophisticated solutions at the leading edge of global technology.

Over the past 5 years the world has changed dramatically. In collaboration with our strategic business partners, Ezi has responded with focus, mitigating hostile vehicle threats with our Crowded Spaces range of products. Ezi offers permanent solutions for risk categories from low to extreme, as well as rapid deployment products for crowded spaces and public events, such as the Impakt and Rapid Defender products.

All Ezi Security Systems AVB and HVB systems have been rigorously crash tested and certified to meet requisite ASTM, IWA and PAS 68 stipulations. Along with our global partners, Ezi Security Systems actively collaborate in the development and deployment of contemporary strategies such as VAAW (Vehicle as a Weapon) mitigation, deploying whole of environment solutions. Ezi have solutions to meet your very highest security requirements whilst maintaining an aesthetically compatible solution for your site.

You can be confident that when serious security is your requirement, you need look no further than Ezi. We stand ready to be of expert service in an ever evolving environment, as global security risks increasingly demand local solutions.



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ENGINEERED SOLUTIONS

PAS 68 TESTED & CERTIFIED



CUBE BLOCK



LONG BLOCK



TIMBER SLATTED BENCH



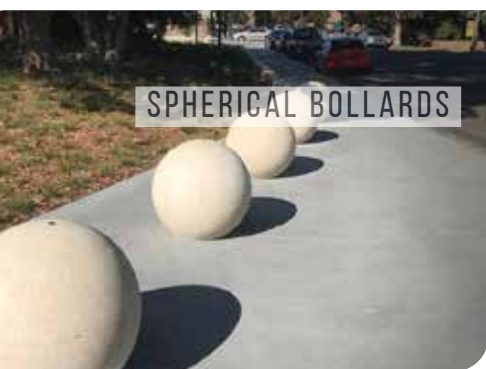
IGNEO SEAT



CRASH RATED PLANTERS



CRASH BLOCKS AND SEATS



SPHERICAL BOLLARDS



BENCH



PLANTER



RAPID DEFENDER



IMPAKT DEFENDER



BESPOKE SOLUTIONS

PRODUCT RANGE

ENGINEERED SOLUTIONS



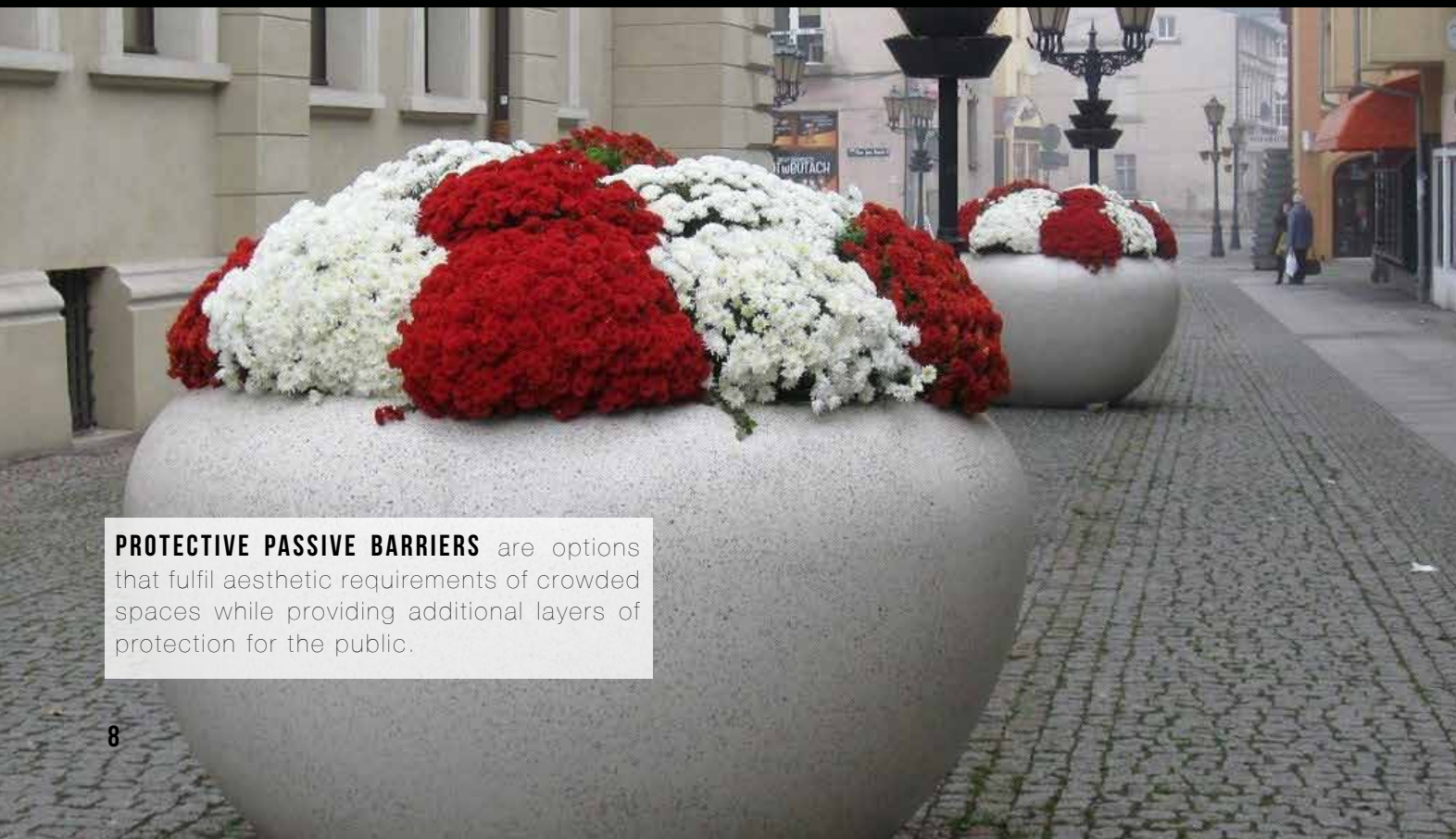
CUBE AND OBLONG BLOCKS



TALL PLANTER BOX



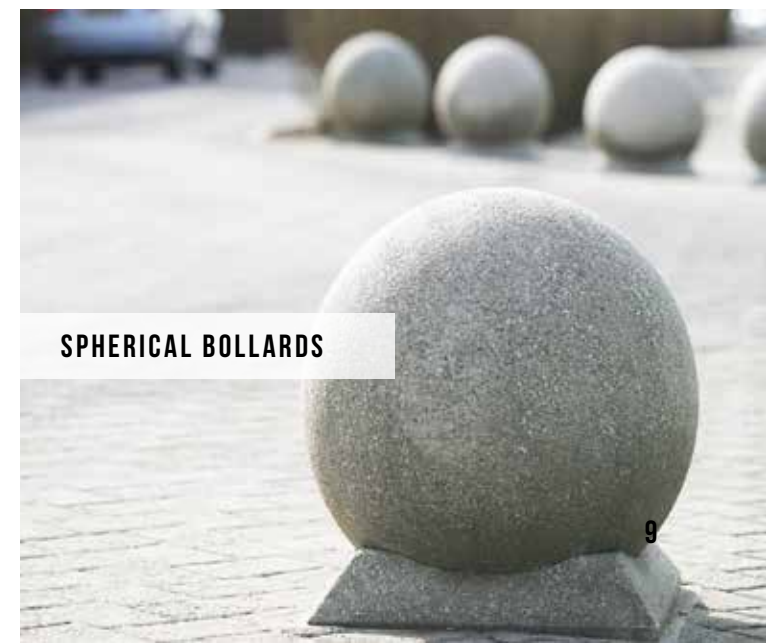
PLANTERS



PROTECTIVE PASSIVE BARRIERS are options that fulfil aesthetic requirements of crowded spaces while providing additional layers of protection for the public.



TIMBER SLAT BENCH



SPHERICAL BOLLARDS

CUBE & BENCH BLOCKS

PASSIVE BARRIERS ENGINEERED SOLUTIONS



*Product design and dimension are not fixed and can be modified according to client's preference.



- ✓ Dual purpose and seating option
- ✓ Choose from variety of colors
- ✓ Combine with other elements

*Product design and dimension are not fixed and can be modified according to client's preference.



DESCRIPTION

"Ezi Security Cube and Long blocks modular systems are a contemporary, flexible range of passive barriers that comprise a number of different seating options, giving the flexibility to vary colour and texture with almost unlimited configurations.

These passive barriers can be engineered as free standing, rooted ground fixed or base plate fixed for more robust

construction. The cube and long blocks can be modified and combined in a variety of configurations to suit any environment. Non-water absorbent and frost resistant aggregates are available to ensure that the product will not alter over time and prevent mould formation.

Eyebolts can be embedded for easy lifting and handling.

MATERIALS: Pre- Cast
Granite
Precious Stone

FINISH: Anti-Graffiti Coating;
Nanotechnology Coating;
Manufacturer's coating

Pattern and logo can be added to the finished product

COLOURS Pre-Cast Grey;
Pre-Cast White;
Pre-Cast Charcoal

White Granite
Off White Granite

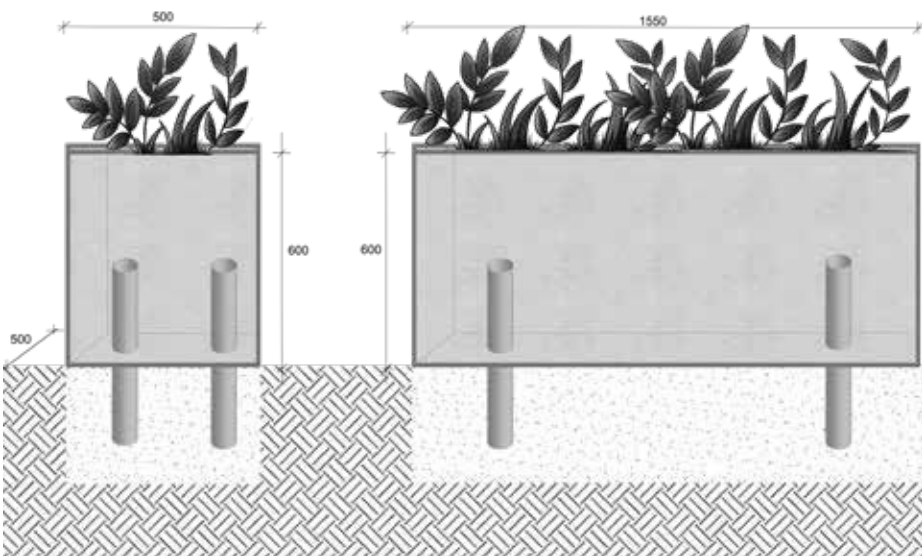
Red Verona
Multi Veneziano
Yellow Mori
Black Ebony
Cream Bottoccino
Green Alps
Brown Porphyry

See page 14 for color swatches, materials and mounting options



SPHERICAL BOLLARDS & NON-RATED PLANTERS

PASSIVE BARRIERS ENGINEERED SOLUTIONS



**Product design and dimension are not fixed and can be modified according to client's preference.*

**Product design and dimension are not fixed and can be modified according to client's preference.*



DESCRIPTION

Spherical Bollards are designed to provide robust and selection of colours alongside the standard exposed silver effective demarcation of pedestrian areas, while providing a grey, complementary look and feel to public spaces.

The Spherical 700 Bollard is manufactured from high-quality etched finish. Additional finish options include personalised concrete for added strength and durability to increase sand etching, which allows custom designs to be etched protection. Sitting on top of a 100mm plinth, the bollard into the bollard's surface, on smooth finishes only. measures 700mm in diameter, and can be supplied in a

The bollard can be provided in either a smooth, exposed or

MATERIALS: Pre- Cast
Granite
Precious Stone

FINISH: Anti-Graffiti Coating;
Nanotechnology Coating;
Manufacturer's coating

Pattern and logo can be added to the finished product

COLOURS Pre-Cast Grey;
Pre-Cast White;
Pre-Cast Charcoal

White Granite
Off White Granite

Red Verona
Multi Veneziano
Yellow Mori
Black Ebony
Cream Bottoccino
Green Alps
Brown Porphyry

See page 14 for color swatches, materials and mounting options

DESCRIPTION

The Ezi Planters are passive security barriers providing balance between security measures and functionality of a public space advocating a green environment. These planters are fitted with a water reserve system that maintains the soil at a proper moisture level. A self-levelling

system ensures that the planter is levelled on slopes with up to a 6% incline.

Ezi planters dimension can be modified to fit our PAS 68 Truckstopper range of products.

MATERIALS: Pre- Cast
Granite
Precious Stone

FINISH: Anti-Graffiti Coating;
Nanotechnology Coating;
Manufacturer's coating

Pattern and logo can be added to the finished product

COLOURS Pre-Cast Grey;
Pre-Cast White;
Pre-Cast Charcoal

White Granite
Off White Granite

Red Verona
Multi Veneziano
Yellow Mori
Black Ebony
Cream Bottoccino
Green Alps
Brown Porphyry

See page 14 for color swatches, materials and mounting options

COLOUR & MATERIAL SPECIFICATIONS

PRE-CAST OPTIONS



PRE-CAST CHARCOAL



PRE-CAST WHITE



PRE-CAST GREY

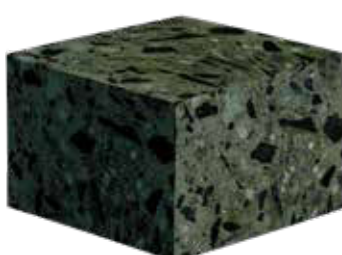
GRANITE & PRECIOUS STONE OPTIONS



HYAMS WHITE
(G)



WHITSUNDAYS OFF WHITE
(G)



PERISHER GREEN ALPS
(PS)



CAIRNS BOTTICINO
(PS)



QUEENSLAND PORPHYRY
(PS)



SOUTH AUSTRALIAN BLACK EBONY
(PS)



WESTERN SYDNEY YELLOW MORI
(PS)

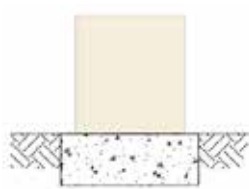


MELBOURNE VENEZIANO
(PS)

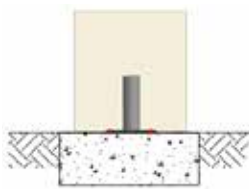


SYDNEY RED VERONA
(PS)

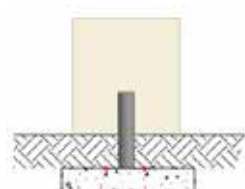
MOUNTING OPTIONS



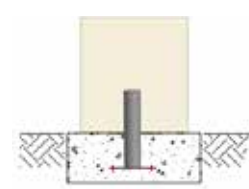
FREE STANDING



SURFACE FIXED



BASE PLATE FIXED



ROOTFIXED



CREATING GREAT AND
SECURE OUTDOORS



PAS68 TESTED & CERTIFIED



EOS SEAT



CRASH RATED PLANTERS



STREET INFO FRAMES



FLOWER TRAY PLANTER



LITTER BIN



GIOVE PLANTER AND IGNEO SEAT



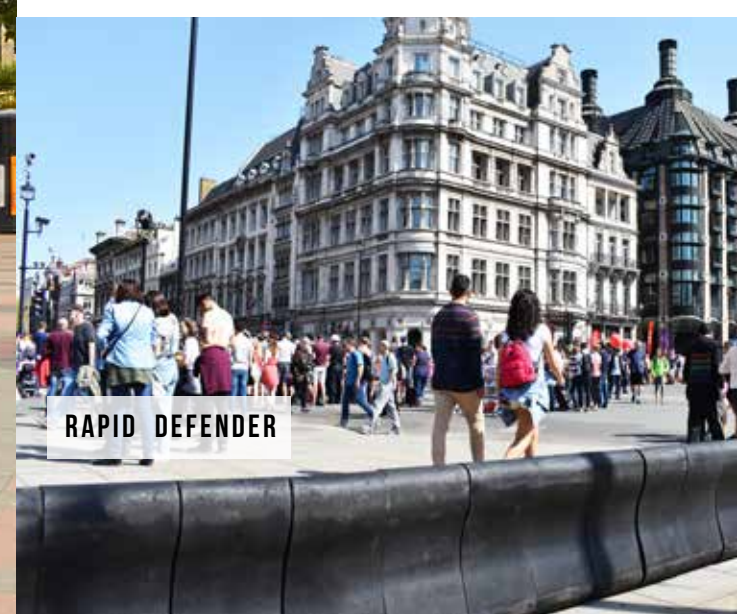
CRASH BLOCKS



BALUSTRADE



BIKE RACK



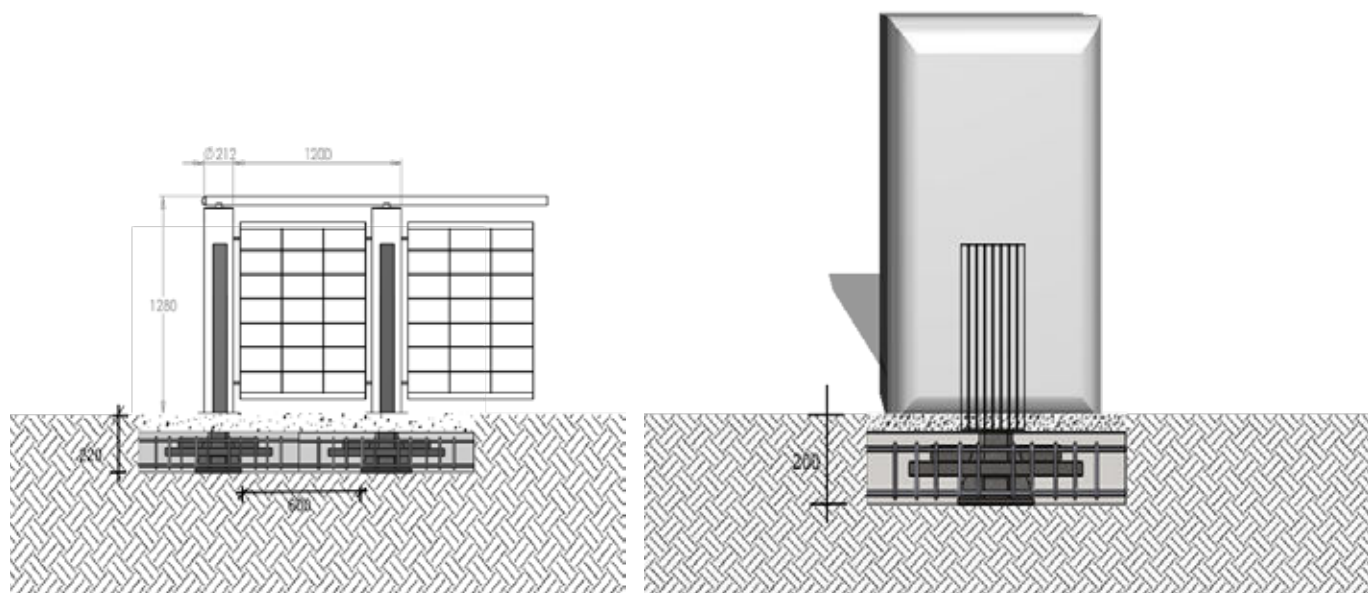
RAPID DEFENDER



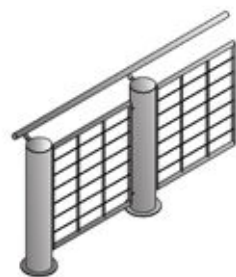
IMPAKT DEFENDER

BESPOKE SECURITY SOLUTIONS

SAFETY BALUSTRADE, BIKE RAILS & SIGN FRAMES



*Product design and dimension are not fixed and can be modified according to client's preference.



BALLUSTRADE



BIKE RACKS WITH
HANRAILS



STREET SIGN FRAMES



SAFETY BALUSTRADE



TRUCKSTOPPER 7 WITH HANDRAIL



BESPOKE SIGN FRAMES

SEAT AND LITTER BINS

- ✓ Made from high grade stainless steel,
- ✓ The PAS 68 certified Spring Technology system within these shrouds guarantees a high standard perimeter protection
- ✓ Camouflaged real security without compromising site design and architecture
- ✓ Contemporary and timeless



*Product design and dimension are not fixed and can be modified according to client's preference.



Ezi provides a flexible range of bespoke solutions using PAS & IWA certified Safetyflex spring technology. All of these bespoke solution can be engineered to be crash certified for a 48-80kph range of speed camera

PLANT GIOVE

- DESCRIPTION

Manufactured from a mix of concrete & fine Italian marble aggregate, Protective planting solution providing 1, 224 litre planting capacity
- FINISH

Polished smooth surface treated with a protective varnish. The excavation depth should be at least 950mm
- COLOURS

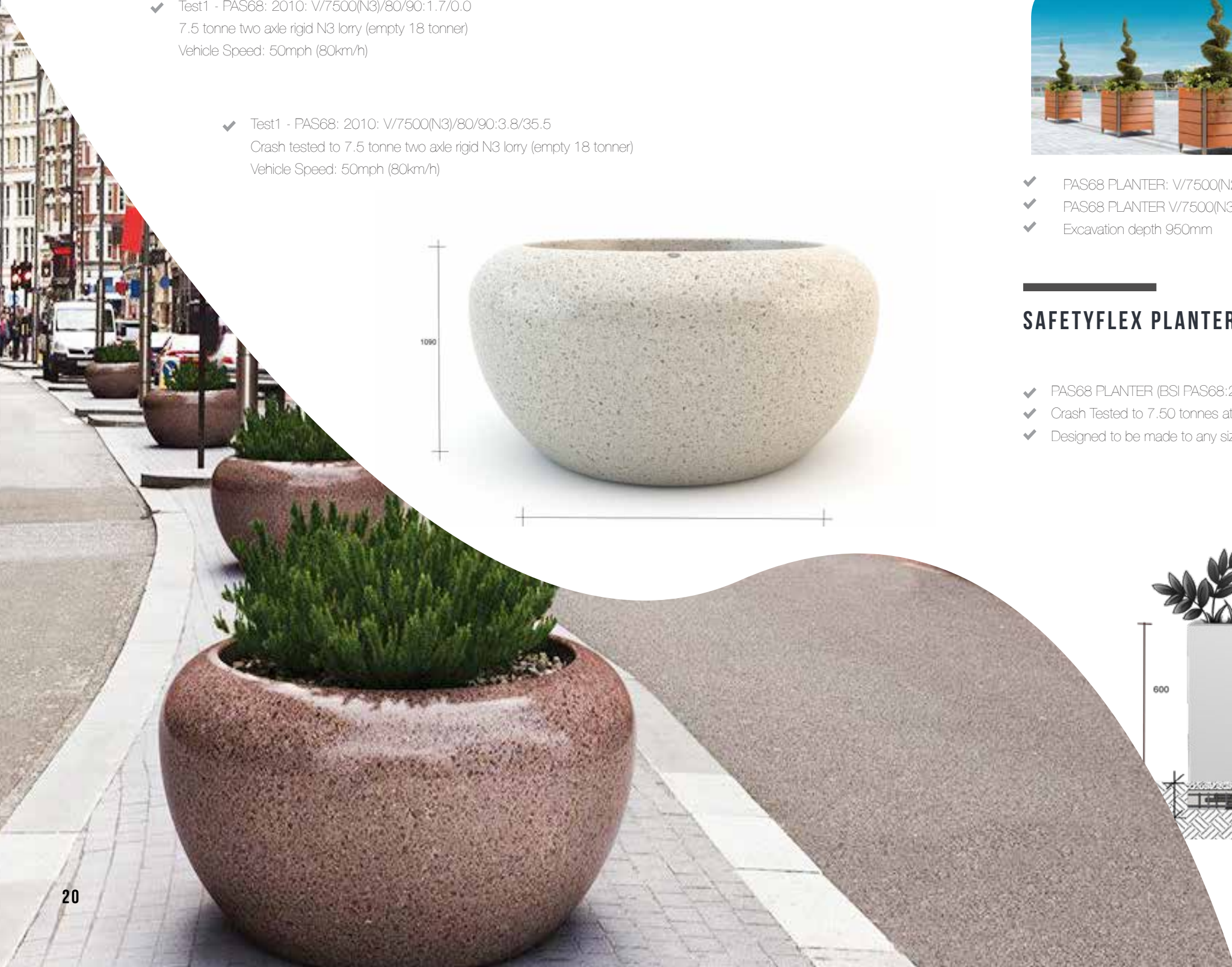
White Granite

Red Verona
Multi Veneziano
Yellow Mori
Black Ebony
Cream Bottoccino
Green Alps
Brown Porphyry
- See page 14 for color swatches, materials and mounting options
- ✓


Test1 - PAS68: 2010: V/7500(N2)/64/90:0.0/0.0
Crash tested to 7.5 tonne two axle rigid N2 lorry
Vehicle Speed: 40mph (64km/h)
- ✓


Test1 - PAS68: 2010: V/7500(N3)/80/90:1.7/0.0
7.5 tonne two axle rigid N3 lorry (empty 18 tonner)
Vehicle Speed: 50mph (80km/h)
- ✓

Test1 - PAS68: 2010: V/7500(N3)/80/90:3.8/35.5
Crash tested to 7.5 tonne two axle rigid N3 lorry (empty 18 tonner)
Vehicle Speed: 50mph (80km/h)





MARSHAL PLANTER

- 



DESCRIPTION

Steel upright with over-lapping slats and timber panels. Each support has a stainless laser cut steel adjustable foot.
- 



FINISH

Powder coated and galvanized steel liner made available in different colors; Tropical hardwood
- ✓

PAS68 PLANTER: V/7500(N2)/64/90:0.0/0.0
- ✓

PAS68 PLANTER V/7500(N3)/80/90:1.7/0.0
- ✓

Excavation depth 950mm

SAFETYFLEX PLANTER

- ✓

PAS68 PLANTER (BSI PAS68:2010) V/7500(N2)/64/90:2.8/7.2
- ✓

Crash Tested to 7.50 tonnes at 40mph/64kph.
- ✓

Designed to be made to any size required

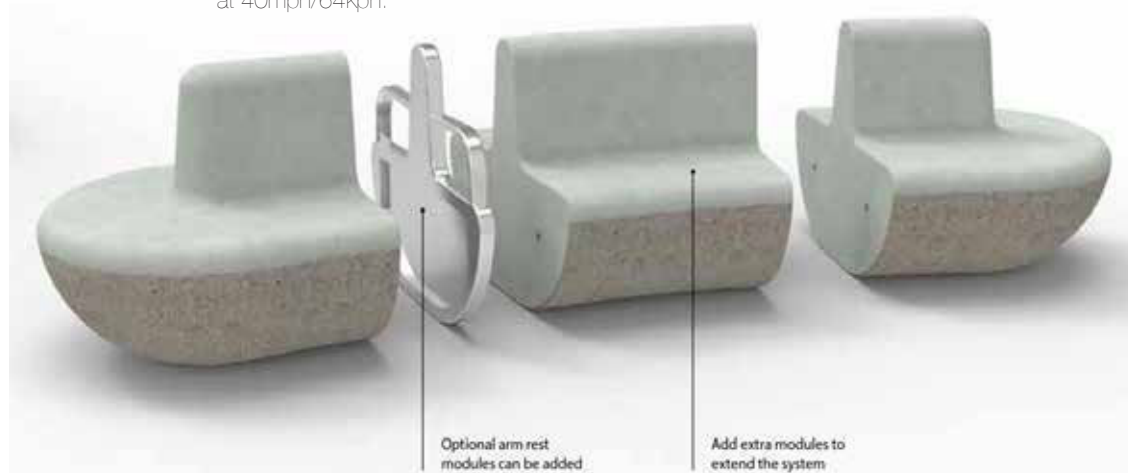


- DESCRIPTION
- Stainless Steel planter box plugged to Springline Technology Bollard. The system is designed to be surface mountain with very shallow foundation - reducing the re-divert utilities requirements.

IGNEO SEAT

DESCRIPTION Reinforced precast concrete strengthened by rhinoGuard technology/ Armrests Ferrocast polyurethane.

- ✓ Test1 - Centre: PAS68V/7500(N2)/64/90:3.7/0.0
- ✓ Test2 - Off Centre: V/7500(N2)/64/90:3.5/0.0
- ✓ Crash tested to 7.50 tonnes two axle rigid N2 lorry at 40mph/64kph.



Igneo modular seating system can be specified to any length, based on the module sizes available

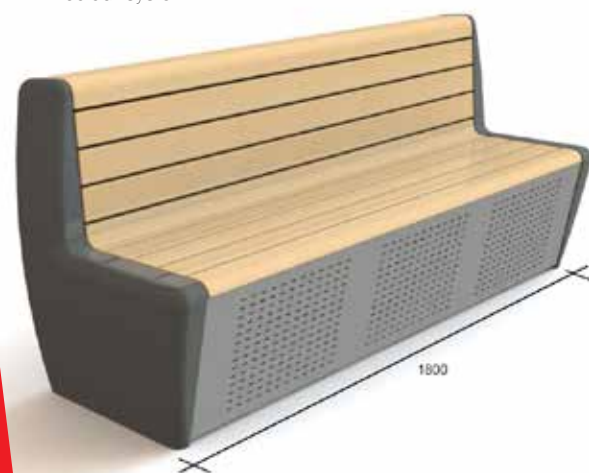
COLOUR & FINISH Pre-Cast Grey;
Pre-Cast White;
Pre-Cast Charcoal
Pre-Cast South Australian Black Ebony
See page 14 for color swatches, materials

DIMENSION & WEIGHT Centre Section Span - 1102mm
Left/Right Section Span - 1037mm
Seating Section - 474mm
Ferrocast Arm Section Weight - 21.5 Kg
Cast End Section Weight - 1000 Kg
Cast Intermediate Section Weight - 1200 Kg

EOS SEAT

DESCRIPTION With Ferrocast and Timber composition, this crash rated barrier combines form, function and strength - offering not just a great seating solution, but also security and resilience for the area. Excavation depth: 950mm

COLOUR Available in wide selection of RAL-
colour system

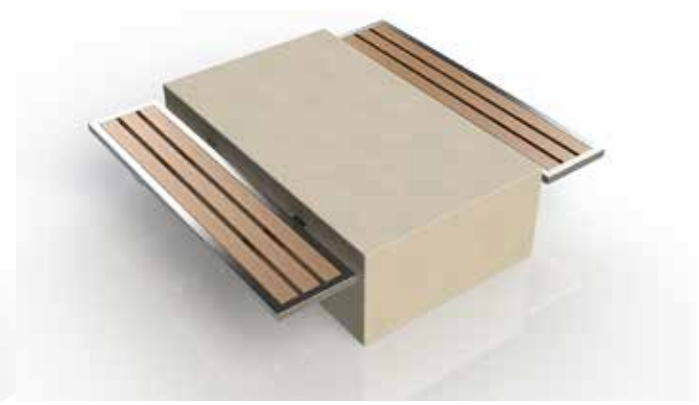


- ✓ Test 1: Front facing (centre): PAS68:2010:V/7500 (N2)/48/90:0.0/0.0
- ✓ Test 2: Back facing (centre): V/7500(N2)/48/90:3.1/0.0
- ✓ Test3: Back facing (Off centre): V /7500 (N2)/48/90:2.7/0.0
- ✓ Crash tested to 7.5 tonne two axle rigid N2 lorry travelling at 30mph (48km/h)

SAFETYFLEX CRASHBLOCK

NO requirements for a foundation

- ✓ Test1: IWA 14-1:2013 Block V/7200[N2A]/48/90:4.1
- ✓ Test2: IWA 14-1:2013 Block V/7200[N2A]/64/90:6.7
- ✓ Crash tested to 7.5 tonne two axle rigid N2 lorry travelling at 30mph/64km/h



Ideal for permanent or temporary solutions and can be dressed in any cladding of choice

RHINOBLK SEAT

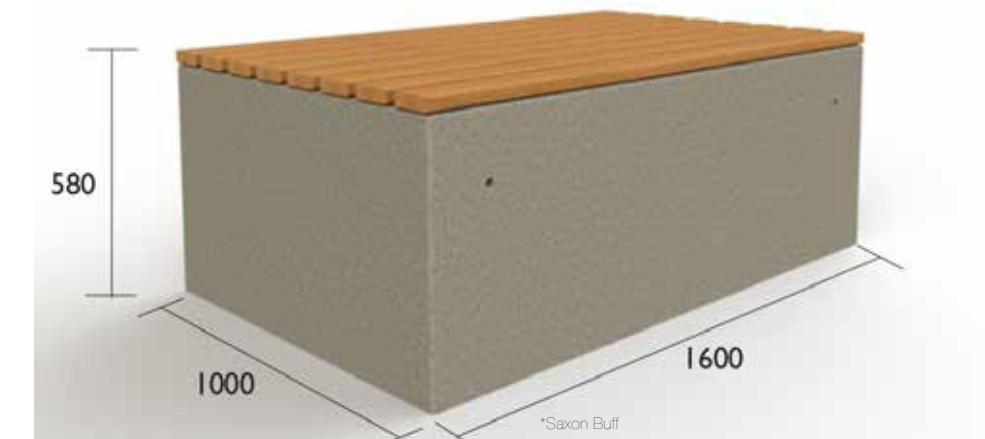
- ✓ Test1: IWA14-1:2013 BlokV/7200[N2A]/64/90:19.3
- ✓ Crash tested to 7.5 tonne two axle rigid N2A lorry travelling at 40mph (64km/h)

DESCRIPTION Protective concrete seat, available in a variety of finishes which integrate with the existing landscape, or alternatively, it can feature a timber-cladded top for a more modern look.

COLOUR & WEIGHT Available in Silver Grey, Mid Grey/Saxon Buff
2500 kg



*Medium Grey



*Silver Grey

RAPID DEPLOYABLE UNFIXED SOLUTIONS



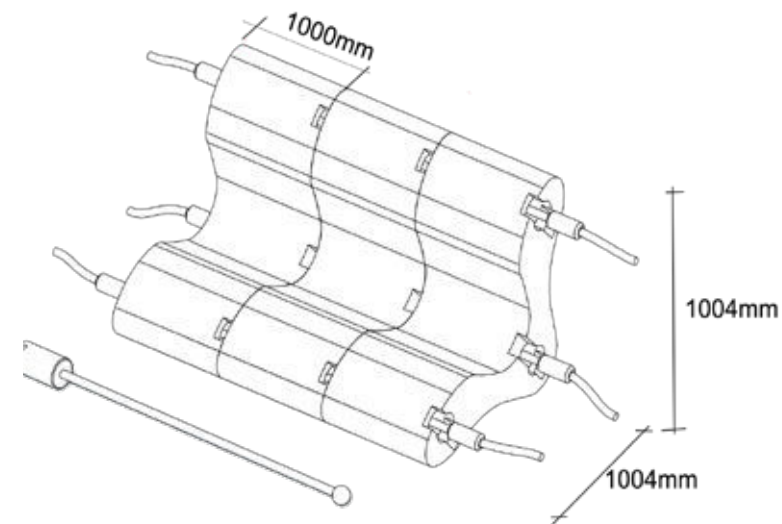
IMPAKT DEFENDER

DESCRIPTION

Manufactured from 100% recycled rubber and polyurethane, supplied complete with steel securing cables and fixings.

WEIGHT & DIMENSIONS

WEIGHT: 430 kgs each
DIMENSIONS: 1000 x 1004 x 1004 mm
CONNECTIVITY: 20mm Ø Steel cables



- ✓ Impact tested to IWA 14-1 specification
- ✓ Stopping a 7.2 tonne N2A lorry at 48kph (30mph).
- ✓ Vehicle security barrier (VSB)
- ✓ Requiring no foundations

RAPID DEFENDER

- ✓ Designed to provide protection for crowds of people at events from vehicle as a weapon (VAAW) attacks
- ✓ Temporary vehicle security barrier (VSB)
- ✓ Requiring no foundations and can be quickly deployed almost anywhere-
- ✓ Unbeatable lightweight

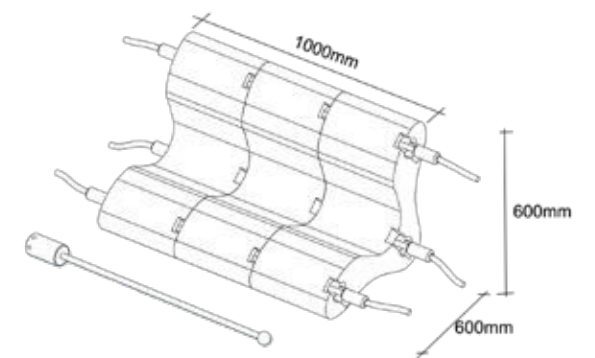


DESCRIPTION

Manufactured from 100% recycled rubber and polyurethane, supplied complete with steel securing cables and fixings.

WEIGHT & DIMENSIONS

WEIGHT: 49 kgs each
DIMENSIONS: 333 x 600 x 600 mm
CONNECTIVITY: 20mm Ø Steel cables





**NSW (1)**

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NSW (2)

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