



RB2000 Barrier

Specification Sheet
WFS150700

18/12/25

safesite[®]
F A C I L I T I E S



RB2000 Barrier

This low containment water-filled barrier system weighs just 35 kg when empty, making it easy to move. Once filled, its weight increases to 400kg.

The RB2000 Barrier has been wind tunnel tested at the Mira facility and proven to withstand high wind speeds with or without mesh panels. It can also be used with hoarding, mesh panels, vehicle, and pedestrian gates. Adding mesh and fence panels increases the system's overall height to 2.1 meters.

The barriers, designed with a patented five-position interlocking system, can be arranged in straight lines or smoothly around bends and corners. This system allows the barriers to form a flat, solid wall even across uneven surfaces.



RB2000 Barriers connected



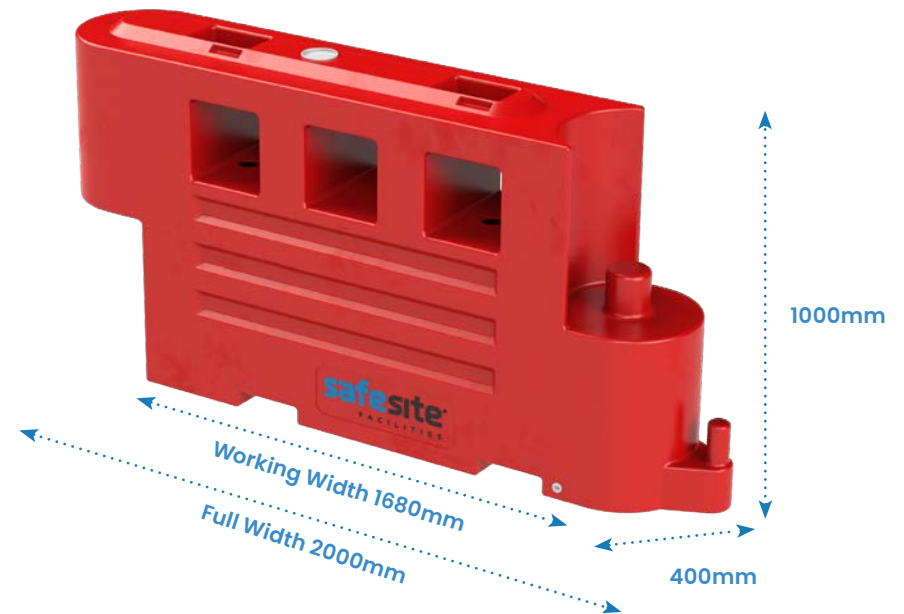
Can be installed with mesh or hoarding or half hoarding & half mesh

RB2000 Specification

Description	Size (mm)	Working Width (mm)	Weight Empty (kg)	Weight Full (kg)
WFS150700 - RB2000 Barrier Red	H1000 x W2000 x D400	1680	35	400
WFS150710 - RB2000 Barrier White	H1000 x W2000 x D400	1680	35	400

Key Features

- Ideal for road and construction site safety
- Compatible with mesh fence panels, hoarding and gates
- Proven to withstand wind speeds of up to 72mph
- Light and easy to move when empty
- Creates a flat, solid wall when connected
- Allows for angles and curves





RB2000 Barrier with Hoarding

Add enhanced security and privacy to your site with our easy-to-install metal hoarding system. Designed to prevent unauthorised access, it is ideal for construction sites, restricted areas, and high-security environments.

Supported by the water-filled RB2000 barrier beneath, the hoarding accessory benefits from a solid, stable footing and can withstand wind speeds of up to 50 mph. This robust solution provides a reliable physical barrier while maintaining site safety, security, and discretion.



Hoarding & Add-On Specifications

Description	Size (mm)	Overall Height (mm)	Weight (kg)
WFS150740 – RB2000 Hoarding Panel	H1120 x W1500 x D40	2100	21
WFS150800 – RB2000 Hoarding Infill Panel	H1150 x W150 x D1.2	2000	1.5
WFS150770 – RB2000 Mesh fence Extension	H570 x W1500 x D40	2670	10

Key Features

- Lightweight for easy transporting and handling
- Increased height to 2.1m
- Infill panels available for extra security
- Non-permanent fixing
- Easy to transport and installapid installation
- Highly visible white powder coating
- Top extensions available for extra height and security

Option for Mesh Extension



Please note: Adding infill panels will change the wind loading capabilities



RB2000 Barrier with Mesh Fence Panels

RB2000 mesh panels connect to barriers and add height for extra security and privacy on your site, giving a total height of 2100mm.

The mesh fence is a perfect solution for sites where vision beyond the construction area is required. They're easy to transport and install and compatible with all mesh and hoarding gates. Powder coated white as standard.



Mesh Fence & Add-On Specifications

Description	Size (mm)	Overall Height (mm)	Weight (kg)
WFS150750 - RB2000 Mesh Panel	H1120 x W1500 x D40	2100	12
WFS150770 - RB2000 Mesh Fence Extension	H570 x W1500 x D40	2670	10

Key Features

- Lightweight for easy transporting and handling
- Increased height to 2.1m with mesh panel
- Non-permanent fixing
- Easy to transport and installapid installation
- Highly visible white powder coating
- Top extensions available for extra height and security

Option for Mesh Extension





RB2000 Barrier with Half Mesh & Half Hoarding Panels

The half mesh / half hoarding panel is ideal for sites that need to conceal untidy areas from public view while still allowing natural daylight through. Formed as a single, integrated unit, it is just as easy to install as full mesh or full hoarding panels.

Designed to connect securely to RB2000 barriers, these panels enhance site security and privacy while maintaining visibility where required. Lightweight and easy to transport, they are compatible with all mesh and hoarding gates and are supplied powder-coated white as standard.



Mesh Fence & Add-On Specifications

Description	Size (mm)	Overall Height (mm)	Weight (kg)
WFS150760 – RB2000 Half Hoarding & Half Mesh Panel	H1120 x W1500 x D40	2100	15
WFS150770 – RB2000 Mesh Fence Extension	H570 x W1500 x D40	2670	10

Key Features

- Lightweight for easy transporting and handling
- Increased height to 2.1m with mesh panel
- Non-permanent fixing
- Easy to transport and installapid installation
- Highly visible white powder coating
- Top extensions available for extra height and security

Option for Mesh Extension



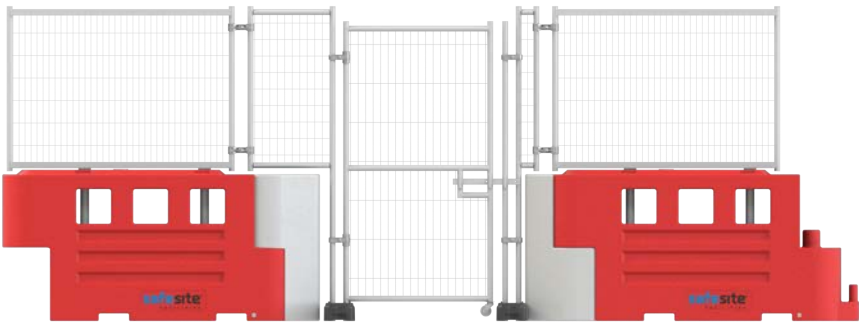


RB2000 Barrier – Vehicle & pedestrian gates

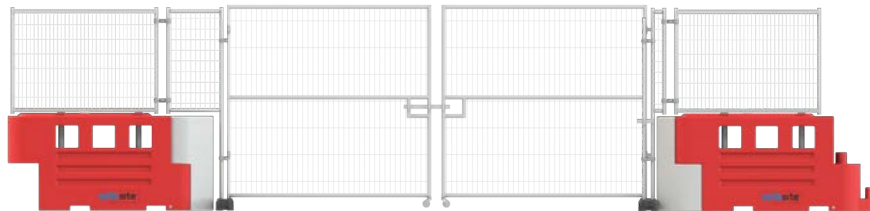
Ideal for pedestrian segregation, when safety and access are a priority, the pedestrian gate is necessary for both security and evacuation purposes. Supplied either framed or non-framed, the latter is often preferable as it doesn't restrict the movement of long or tall materials onto site.

As many sites also require vehicular access, the RB2000 barrier system can accommodate this with a compatible vehicle gate, which can be rapidly installed, fixed to the existing barriers, and supported by its own 18kg thermoplastic rubber feet for extra stability.

Code	Item Needed	Qty.
WFS152000	Mesh Pedestrian Gate – White – 2m High	1
WFS152060	Pedestrian Gate Slam Post – White – 2m High	1
WFS150780	RB2000 System Large Mesh Flag Section	1
WFS150785	RB2000 System Small Mesh Flag Section	1
WFS150720	RB2000 End Start Section RED/ WHITE	1
WFS150725		
WFS150730	RB2000 End Stop Section RED/ WHITE	1
WFS150735		
TFS100520	HD/Z Gripper Fence Coupler	4
TFS100540	Large Fence Coupler	4
TFS100605	HD Rubber Fence Foot	2



RB2000 with Pedestrian Gate



RB2000 with Vehicle Gate

Framed Ped Gates & Mesh Vehicle Gates

All items stay the same apart from switching out the Pedestrian Gate and the Slam post for the desired gate.

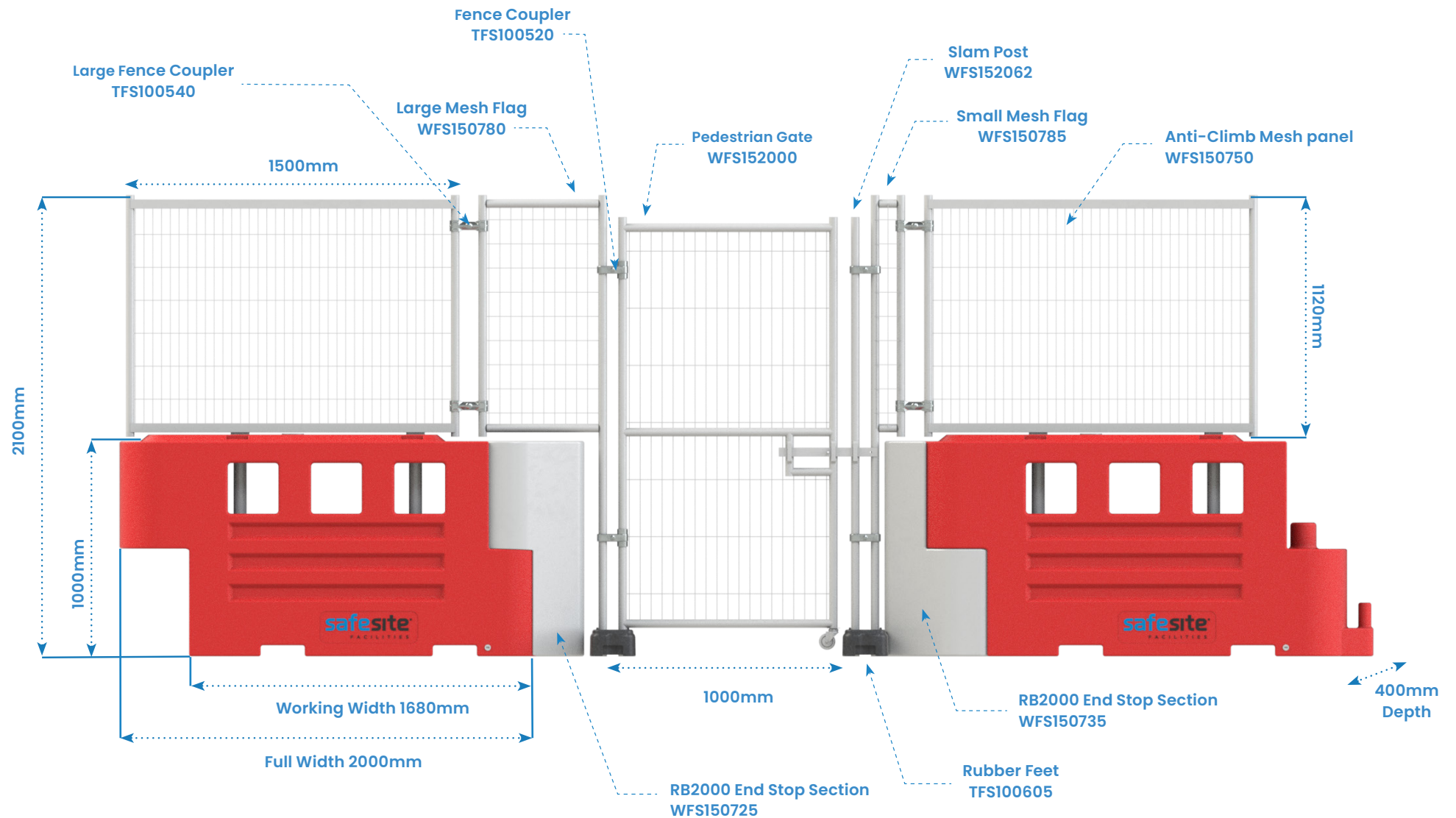
Hoarding Gates

When using hoarding gates the Mesh Flags need to be switched for hoarding versions. (WFS150790 – RB2000 System Large Hoarding Flag Section ,WFS150795 – RB2000 System Small Hoarding Flag Section)



Technical Details

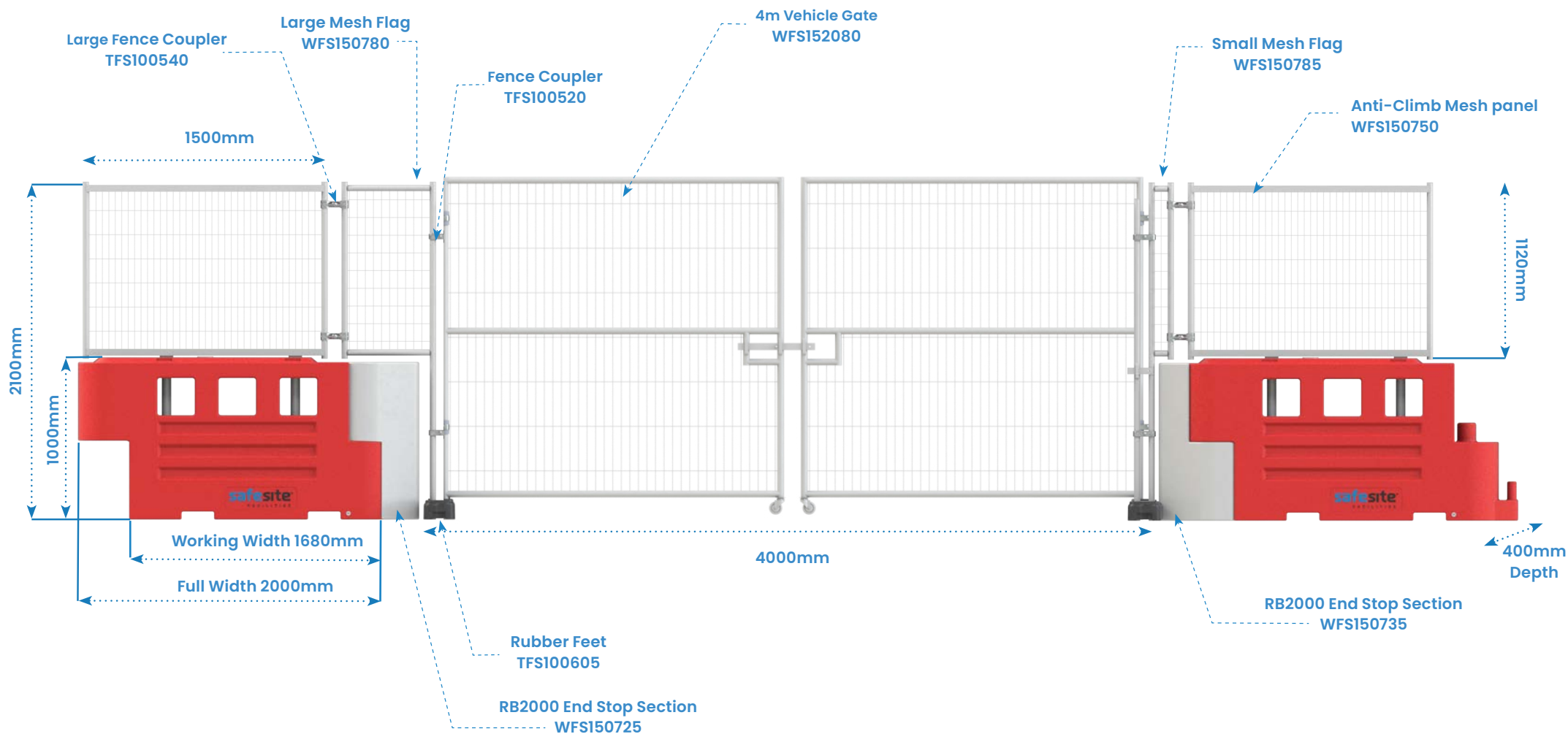
Fencing with Pedestrian Gate





Technical Details

Fencing with Vehicle Gate





1 RB2000 Barrier Single Unit

Wind load test summary

The RB2000 water filled barrier system is a far safer and superior alternative to standard traffic cones, providing increased safety to both public and your workforce.

Unlike traditional traffic cones, when filled the barriers cannot easily be moved by either the vandals or the UK weather. The RB2000 Barrier system has been MIRA wind tested to ensure that it will not fall foul to the elements; just three RB2000 Barriers water filled to the recommended fill line were able to withstand wind speeds up to 72 mph.

The MIRA Class passes, and the wind resistance speeds achieved for each panel is displayed here.

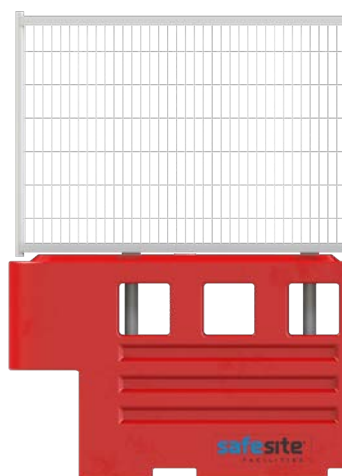


72 mph

Wind speed withstood, not to failure point.

 **MIRA** CLASS A - **PASSED**

2 RB2000 Barrier + Mesh Fence Panel



78 mph

Wind speed withstood, not to failure point.

 **MIRA** CLASS A - **PASSED**

3 RB2000 Barrier + Hoarding Panel



50 mph

Wind speed withstood, not to failure point.

 **MIRA** CLASS B - **PASSED**



RB2000

The RB2000 water filled barrier system is a far safer and superior alternative to standard traffic cones, providing increased safety to both public and your workforce.

Each barrier measures 2 metres end to end, providing a ground coverage of 1.68m. The base width is just 0.4m ensuring it does not extend to far into either your site or the roadway, and each barrier measures 1 metre high. For additional security, either hoarding or mesh panels can be added to the 2000 barrier system, potentially increasing the overall height of your barrier to 2.1 metres.

Additional safety lights may be mounted onto the RB2000 water filled barrier system to ensure top level visibility at any time of night or day.



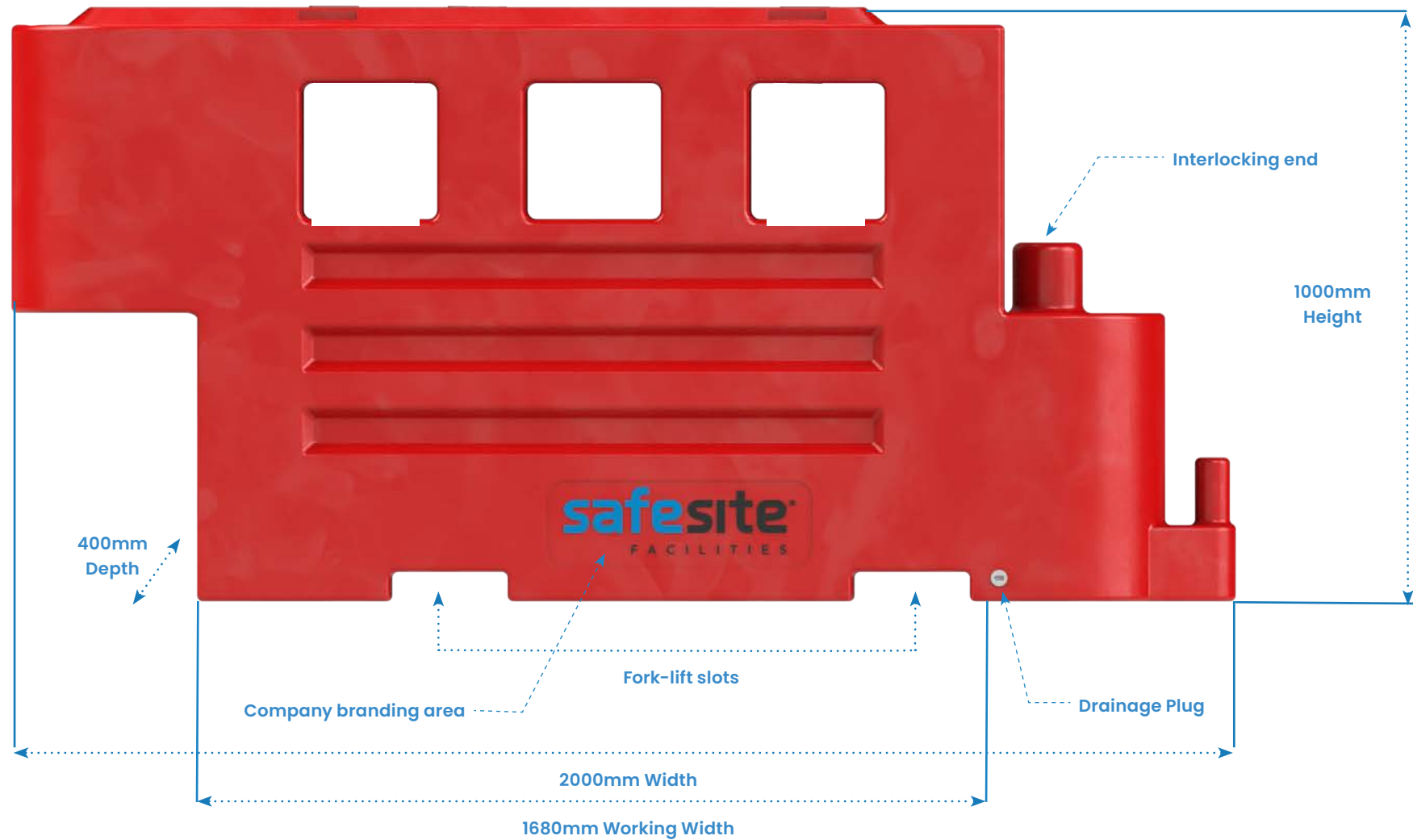
RB2000 with mesh in situ



RB2000 in situ

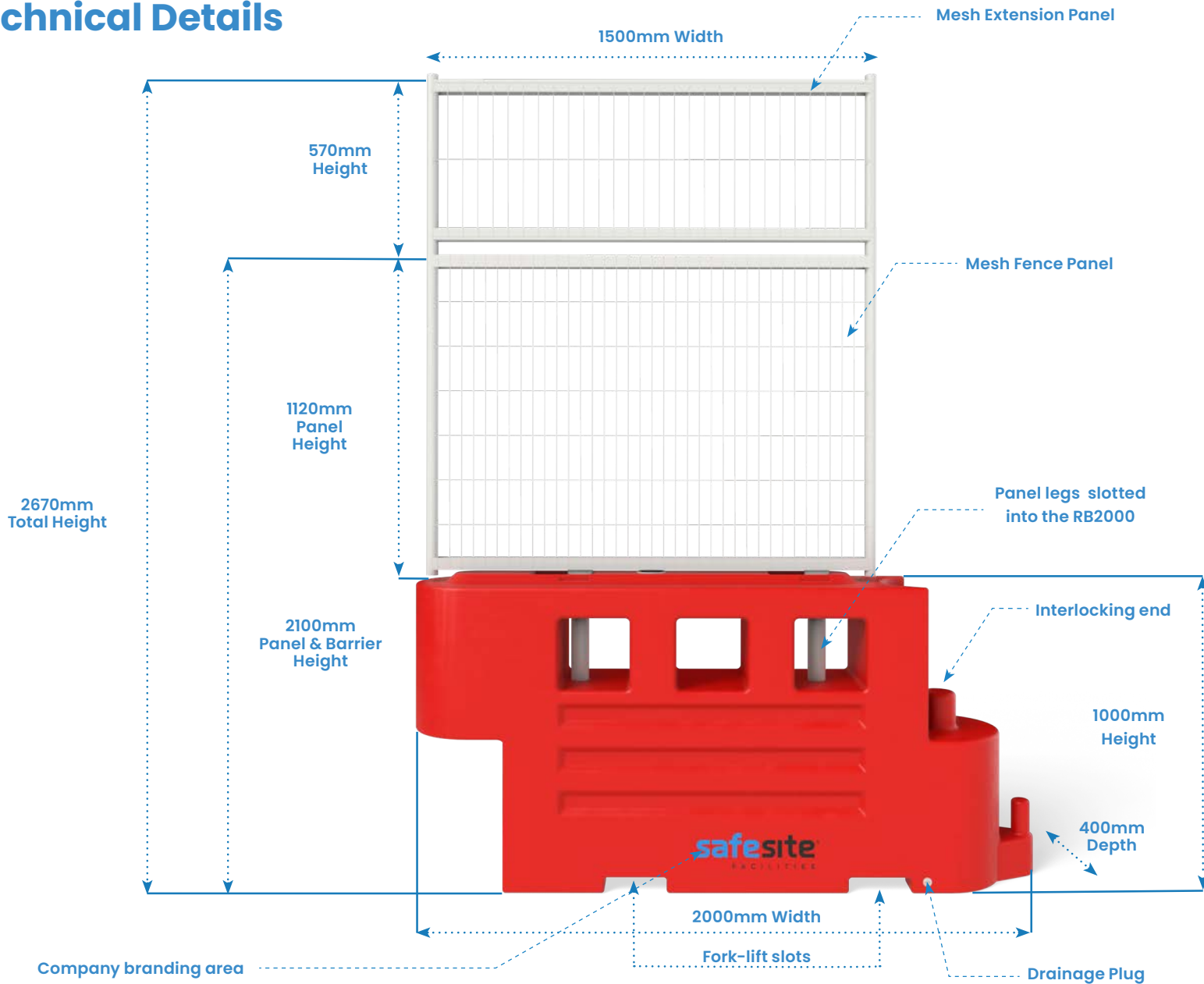


Technical Details





Technical Details



Option for hoarding with mesh extension



Option for half hoarding & half mesh with mesh extension





Installation parts

RB2000 Water Filled Barrier – Measurements in mm

Standard parts: Please see below pictures and quantities of additional parts you will receive with each RB2000 Barrier, the parts below are an essential safety requirement when installing the RB2000 correctly.

Standard part

- 1 Drainage plug**
Quantity: 1



Size (mm)	Weight (kg)
H65 x W65 x D28	-

Standard part

- 2 Filler cap**
Quantity: 1



Size (mm)	Weight (kg)
H20 x W100 x D100	-

Standard part

- 3 Large Fence Couplers**
TFS100540
Quantity: 1 per panel



Size (mm)	Weight (kg)
H35 x W170 x D50	0.4

Accessory part

- 1 Fence or Hoarding panels**
WFS150740 / WFS1507450
Quantity: 1 per barrier



Size (mm)	Weight (kg)
H1120 x W1500 x D40	12/21

Accessory part

- 2 Half Hoarding & Half Mesh**
WFS150760
Quantity: 1 per barrier



Size (mm)	Weight (kg)
H1120 x W1500 x D40	12/21

Accessory part

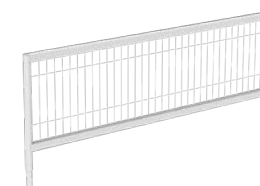
- 3 Hoarding Infill Panel**
WFS150800
Quantity: 1 per barrier if required



Size (mm)	Weight (kg)
H1150 x W150 x D1.2	1.5

Accessory part

- 4 Mesh Extension Panel**
WFS150770
Quantity: 1 per barrier if required



Size (mm)	Weight (kg)
H570 x W1500 x D40	10