



Stock Codes:

Red - GBS170000 White - GBS170010



SafeSite Facilities

GB2 Barrier

Specification Sheet

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F A C I L I T I E S

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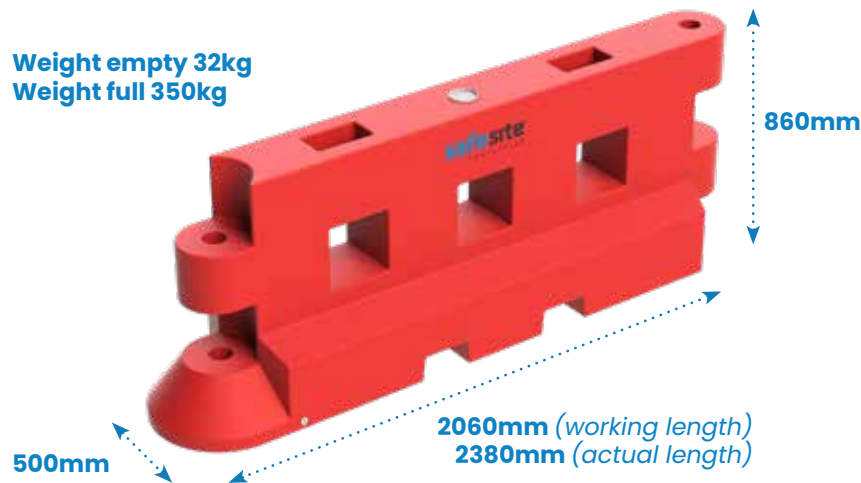


Heavy duty GB2 barrier

The GB2 is a heavy duty water filled barrier specifically designed for safety and security on roadways and construction sites.

The GB2 is the most cost-effective barrier system for projects which require perimeter protection to span long distances. Each barrier provides 2 metres of ground coverage and weighs just 32 kg when empty. Up to 180 linear metres of barriers can be delivered in a single lorry load.

The height of each barrier is under 1 m (860 mm). You can assemble and install the barriers on their own, or add height with mesh and hoarding panels. When assembled as red/white alternating units, the system is very striking and offers high visibility.



GB2 Barrier Specification

Measurements in mm

Length*	Width	Height	Weight (kg)	Weight Full (kg)	Colour	Product ID
2060	500	860	32	350	Red	GBS170000
2060	500	860	32	350	White	GBS170010

Working Length, actual length is 2380mm*

Key Features

- ▶ Easily deployed and handled by your own workforce
- ▶ 32kg when empty making manual installation easy
- ▶ Compatible with mesh and hoarding panels
- ▶ When filled, withstands with speeds of up to 78 mph (Class A)
- ▶ Fully stackable for transport and storage
- ▶ Vehicle and pedestrian gates available
- ▶ Suitable for low level containment
- ▶ Highly visible for added safety
- ▶ Allows for angles and curves
- ▶ Fill capacity 318 litres

GB2's form road boundary on site



GB2 town centre segregation





The GB2 barrier with hoarding

Add extra security and privacy to your site with our easy to install metal hoarding.

With the GB2 barrier acting as a solid footing, the hoarding can withstand winds speeds of up to 38mph (not to failure point). Infill panels are also available for seclusion on private sites where there is a risk of buildings being illegally entered and or expensive machinery stolen. The infill panels also make the hoarding a lot more difficult to climb.



Hoarding & Add-On Specifications

Measurements in mm

Item	Length/Width	Depth	Height	Overall Height	Weight (kg)	Product ID
Hoarding	1790	40	1400	2300	22	GBS170200
Infill panel	76	-	1505	-	8.1	GBS170450
Mesh fence extension	1790	38	400	-	8	GBS170320
Connection fence post	175	80	1500	-	7	GBS170400

Key Features

- ▶ Lightweight for easy transporting and handling
- ▶ Increased height to 2.30m with hoarding panels
- ▶ Infill panels available for extra security
- ▶ Fit 25 hoarding panels per pallet
- ▶ Units link via vertical pins
- ▶ Non-permanent fixing
- ▶ Rapid installation
- ▶ Wind resistant up to 38mph
- ▶ Highly visible white colour
- ▶ Steel powder coated
- ▶ Hoarding poles weigh just 10.2kg

Hoarding with mesh extension



Easy to install infill panel

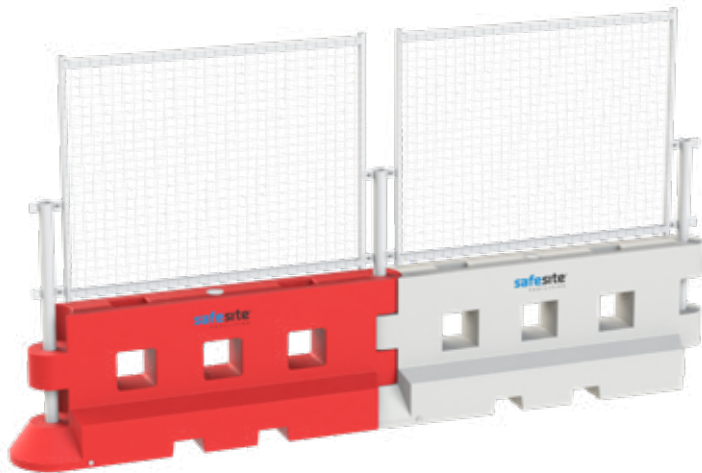




The GB2 barrier with fencing

In addition to the hoarding we can also provide an anti-climb fencing add-on.

The mesh fence is a perfect solution for sites where vision beyond the construction area is required, the panel can also withstand wind speeds of up to 78mph (not to failure point).



Fencing & Add-On Specifications

Measurements in mm

Item	Length/Width	Depth	Height	Overall Height	Weight (kg)	Product ID
Fencing	1790	38	1400	2300	8.5	GBS170220
HD 2" Fencing	1790	38	1400	2300	9	GBS170230
Mesh fence extension	1790	38	400	-	8	GBS170330
Connection fence post	175	80	1500	-	7	GBS170400

Key Features

- > Lightweight for easy transporting and handling
- > Increased height to 2.30m with mesh panels
- > Fit 25 panels per pallet
- > Units link via vertical pins
- > Non-permanent fixing
- > Rapid installation
- > Wind resistant up to 78mph
- > Highly visible white colour
- > Steel powder coated
- > Fencing poles weigh just 10.2kg

GB2's with fence securing building materials



GB2's with fence forming curved perimeter





GB2 barrier with hoarding and mesh

Some sites may wish to conceal an untidy construction area from view, while still being able to allow natural daylight through.

Using both hoarding and mesh with the GB2 barrier offers the perfect solution for providing privacy without losing light. The panel is formed as one single unit, and benefits from being as easy to install as the full mesh or hoarding panel.



Half Fence / Hoarding Panel & Add-On Specifications

Measurements in mm

Item	Length/Width	Depth	Height	Overall Height	Weight (kg)	Product ID
Half panel	1790	40	1400	2300	19	GBS170250
HD 2" Half panel	1790	40	1400	2300	19	GBS170260
Mesh fence extension	1790	38	400	-	8	GBS170330
Connection fence post	175	80	1500	-	7	GBS170400

Key Features

- > Lightweight for easy transportation and handling
- > Increased height to 2.30m with mesh / hoarding panels
- > Fit 25 panels per pallet
- > Units link via vertical pins
- > Non-permanent fixing
- > Rapid installation
- > Wind resistant up to 45mph
- > Highly visible white colour
- > Steel powder coated
- > Fencing poles weigh just 10.2kg

Half mesh & hoarding panel secured to GB2



Half mesh & hoarding extension



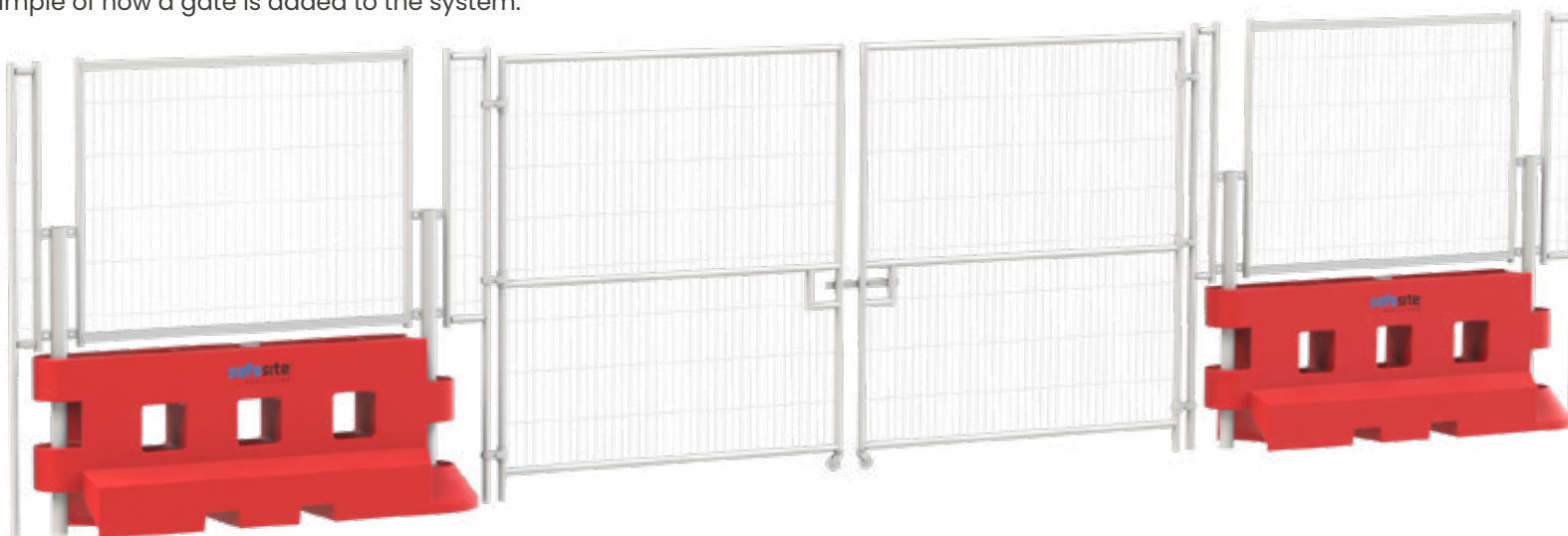


The GB2 barrier with vehicle or pedestrian gate

Vehicle gates can be added to the GB2 System with ease.

A large and small flag is attached to the system to enable a pedestrian or vehicle gate to be attached. You have a range of options for the gates you use, including hoarding, HD and anti-climb mesh. The gates can also be unframed, or framed for a more finished presentation.

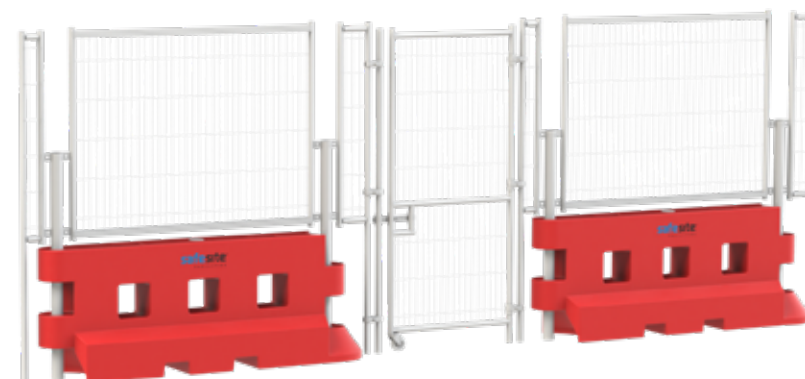
See below for an example of how a gate is added to the system.



GB2 Pedestrian & Vehicle Gate Accessories Specifications

Measurements in mm

Item	Depth	Length	Width	Height	Weight (kg)	Product ID
Large adaption panel (mesh)	-	-	255	-	-	GBS170500
Small adaption panel (mesh)	-	-	165	-	-	GBS170510
Large adaption panel (hoarding)	-	-	255	-	-	GBS170520
Small adaption panel (hoarding)	-	-	165	-	-	GBS170530
Rubber fence feet	-	770	190	120	13.5	TFS100605





GB2 barrier–corners & angles

The GB2 barriers are ergonomically designed to easily form curved sections.

This valuable feature means that you can create boundaries or track layouts which include bends without additional parts.

The curved lines are possible because each barrier, can be placed at an angle of up to 35°.

The 'zero fuss' nature of these curved lines means that the barriers can be fast to install.



Two GB2 Barriers, set at the maximum 35° degree angle.



Four GB2 Barriers, set at 30° degree angles forming a complete 90° degree 'U' bend.

Create a curve whilst holding mesh fencing



Forming bend around site perimeter





Wind load test summary

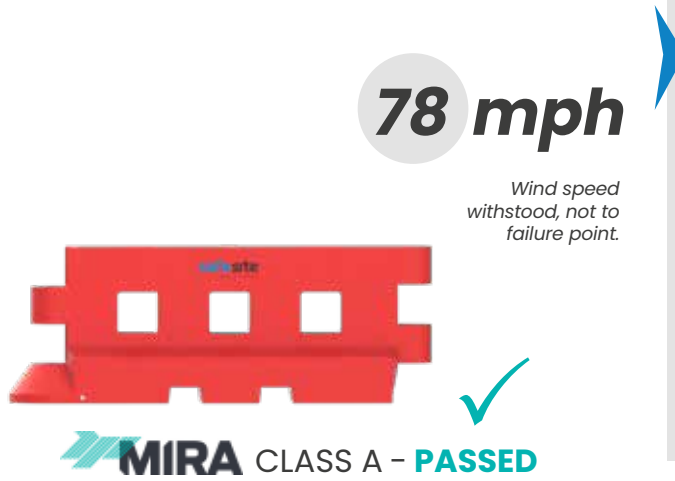
The GB2 Barrier has been rigorously tested in the MIRA wind tunnel, and achieved multiple Class A passes.

When the GB2 Barriers are filled with water, they act as a solid base for the various add-on panel accessories. When used alone the barrier can withstand wind speeds of up to 78 mph.

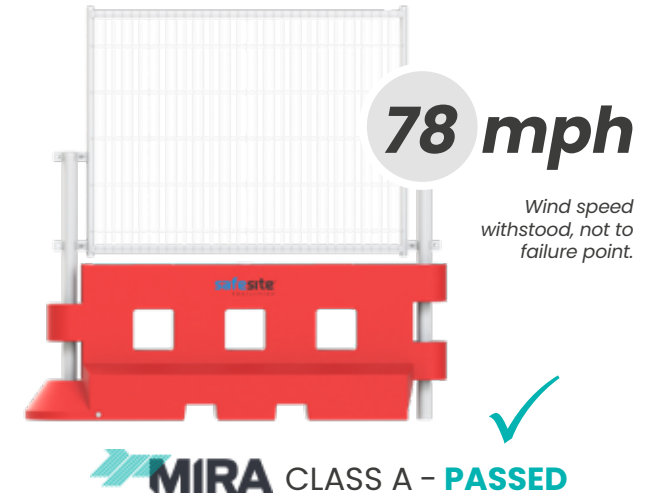
As is expected, the lower the ratio of solid panels to mesh, the greater the wind speed the system can withstand.

Please see to the right the MIRA Class passes and wind resistance speeds achieved for each panel accessory.

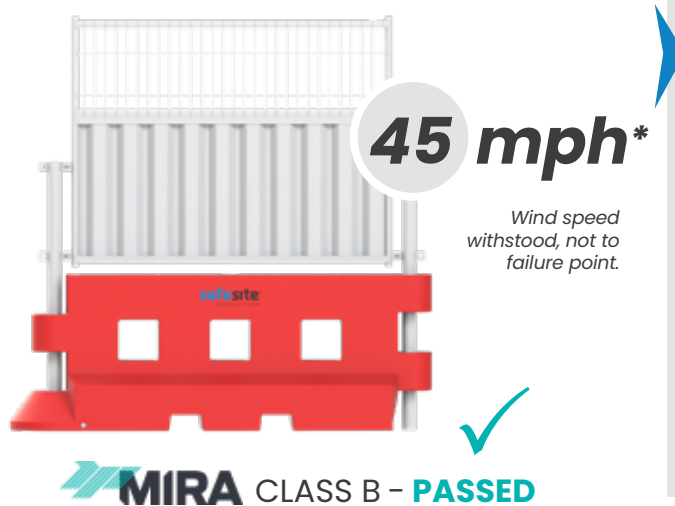
1 GB2 Barrier Single Unit



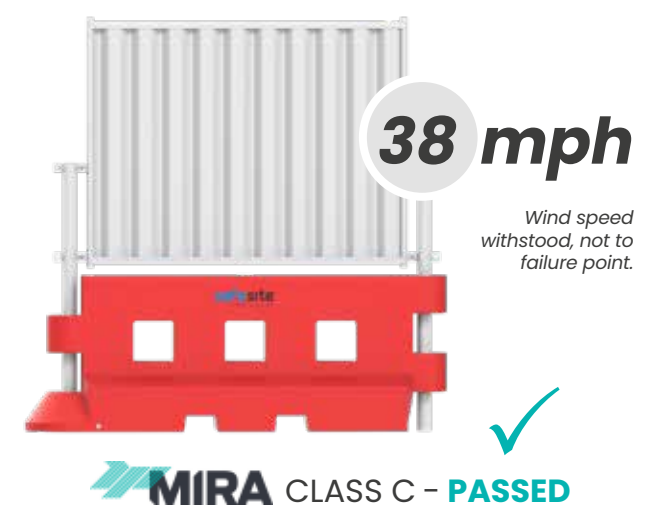
2 GB2 Barrier + Mesh Fence Panel



3 GB2 Barrier + Half Hoarding, Half Mesh Panel



4 GB2 Barrier + Hoarding Panel





GB2 barriers in action

Here are some examples of our robust GB2 Barriers doing what they do best!

As the images on the right show, the GB2 is an extremely versatile barrier.

When used on its own, the GB2 provides a neat, high visibility low profile barrier solution.

The barriers' ability to create long sweeping curves makes for a perfect solution for stretches with bends.

The versatility of the barrier is improved further by its interconnectivity with mesh and hoarding add-ons including, vehicle and pedestrian gates.

Each unit is made from HV HDPE and is recyclable.

The high MIRA wind test pass rates offer the peace of mind. You can assured that once filled and in position, the barriers offer sturdy, professional solution for workforce and public safety.

GB2's forming road perimeter on site



Full & half hoarding securing site entrance



GB2's securing large demolition site



GB2's on site with mesh fence





Installation parts

GB2 Water Filled Barrier - Measurements in mm

Please see below pictures and quantities of additional parts you will receive with each GB2 Barrier, the parts below are an essential safety requirement when installing the GB2 correctly.

Standard parts:

1 Quantity required 1:
Connection pin.



Length	Width	Height	Weight (kg)
115	115	830	3.5

2 Quantity required 1:
Drainage plug per barrier.



Length	Width	Height	Weight (kg)
20	28	28	0.01

3 Quantity required 1:
Plug key.



Length	Width	Height	Weight (kg)
45	35	6	0.02

4 Quantity required 1:
Filler cap.



Length	Width	Height	Weight (kg)
100	100	20	-

Accessory parts:

1 Quantity required 2:
Fencing / hoarding connection posts for connecting one panel unit.



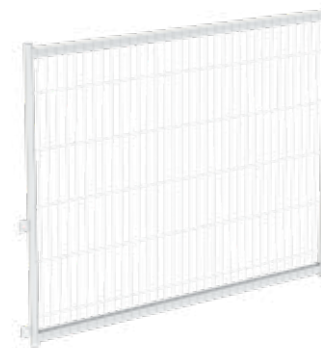
Length	Width	Height	Weight (kg)
175	80	1500	7

2 Quantity required 4:
M10 x 40mm bolts & 8 washers for securing one panel unit.



Length	Width	Height	Weight (kg)
40	10	-	0.453

3 Quantity required 1:
Fence or hoarding panel per barrier with fixings listed.



Depth	Length	Height	Weight (kg)
38	1790	1400	8.5



Stacking & delivery guide

The barriers are designed to be easily stacked and transported.

Each GB2 barrier unit is approximately 2m wide and weighs just 32kg. You can stack and bind up to 90 units on a single arctic load.

Forklift slots at the base of the units make lifting and positioning barriers onto a lorry straightforward.

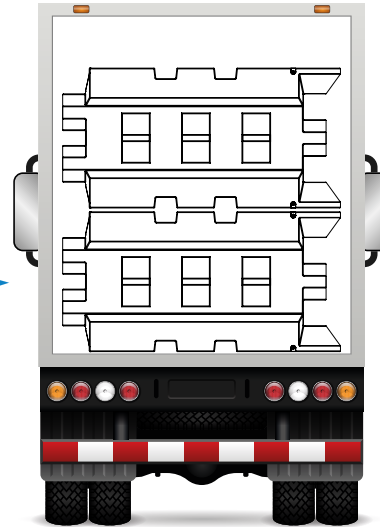
Please see right for a view of the barriers loaded onto a lorry trailer.

1

View from rear of vehicle

Load from side

Stack as shown for trailer length



2

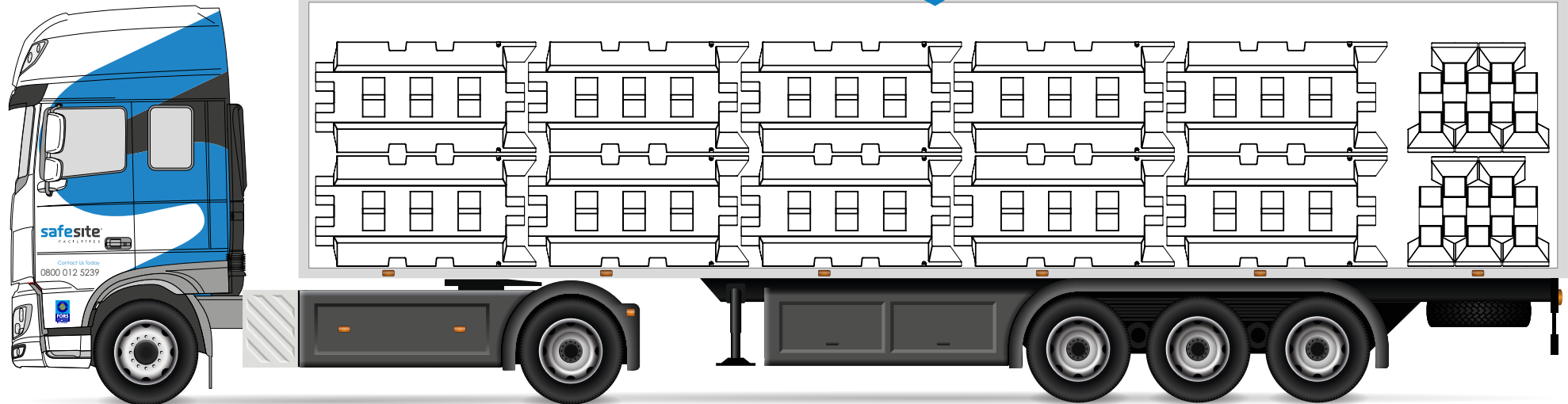
GB2's being loaded into an arctic trailer



90 GB2 barriers fully loaded into the arctic trailer



View from the side of a vehicle





Stacking the barrier & fencing

When delivered as a combined system (with fence and hoarding panels), the number of GB2 barriers you can load on a single arctic load is reduced.

On a single arctic load you can fit 60 barrier units, and four additional pallets containing 60 panels and 60 posts.

The barrier units are banded in groups of five and three, these groups are then stacked side by side to form the eight unit top and bottom sections shown on the rear diagram. When combined this forms a column of sixteen units, four of these columns span the length of the arctic equalling the sixty four units in total.

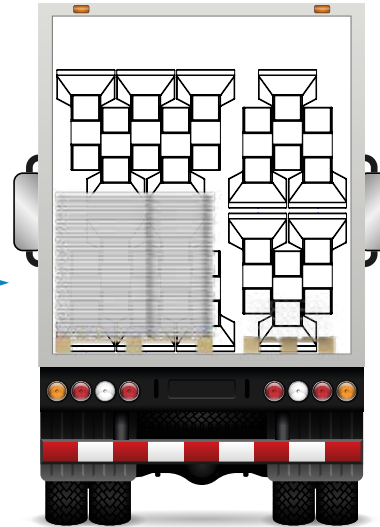
1

As viewed from trailer rear

Load from side

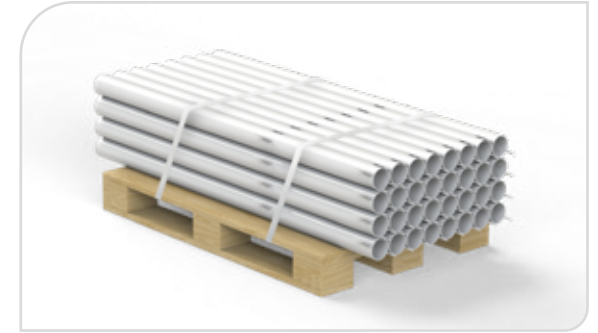


Stack as shown for trailer length



2

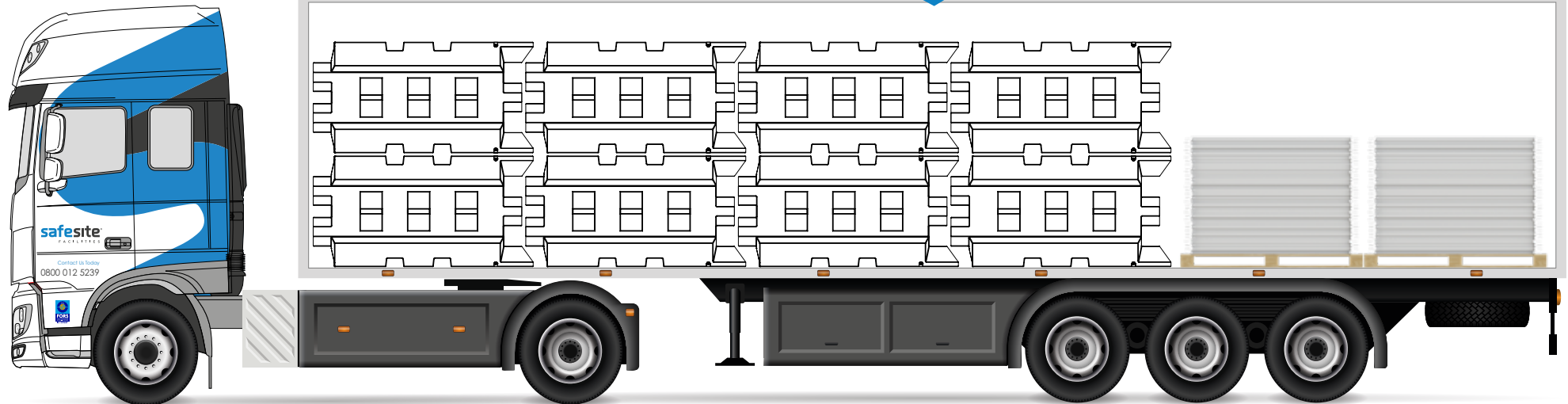
2x Pallets containing 30 posts each



2x Pallets containing 30 panels each



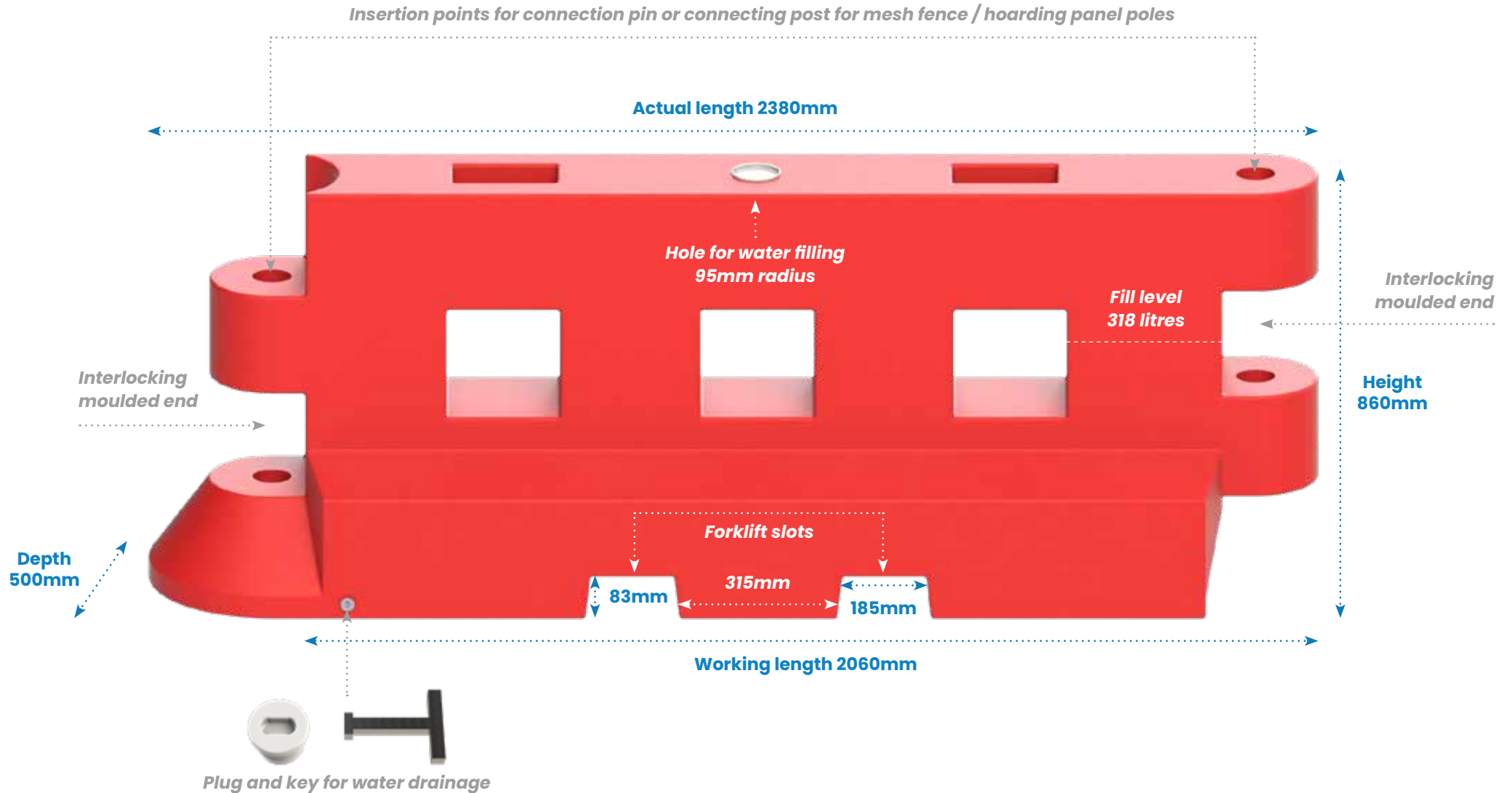
View from the side of the trailer





Technical details

GB2 Barrier





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