



WonderWall Barrier

SPECIFICATION SHEET



WonderWall Barrier

When excavation protection and street works demand additional strength and endurance, SafeSite WonderWall Barriers offer the optimum system.

With extra ballast for enhanced strength in high winds, the system includes many features for additional roadside and excavation site safety - on both sides of the barrier.

Each barrier unit comprises a base of depth 500mm, which is securely attached to a panel barrier of depth 50 mm, to create an overall barrier of 1000 mm x 1140 mm (width).

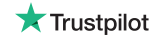
With a barrier weight of 21.3 kg, single (unlinked) barriers can easily be moved by one person, whilst forklift entry holes in the base make it easy for stacked bases to be moved and transported by forklift. All bases are manufactured from 100% recycled material, including recycled PVC.

WonderWall Barrier Specifications

Length	Base Width	Height	Weight
1140mm	500mm	1000mm	25kg

Key Features

- Pedestrian & Plant WonderDoor can be used
- Embossing with corporate branding available
- Compatible with other barrier systems
- Base manufactured from 100% recycled material
- Bases can stack with one another
- Reflective area for high visibility
- Extremely tough & durable for life longevity
- Holes in base for fork lift entry
- Can be coloured coded for corporate identity
- Available for hire or purchase
- Delivery anywhere in the UK



Wonderwall Base



Wonderwall Barrier Front On



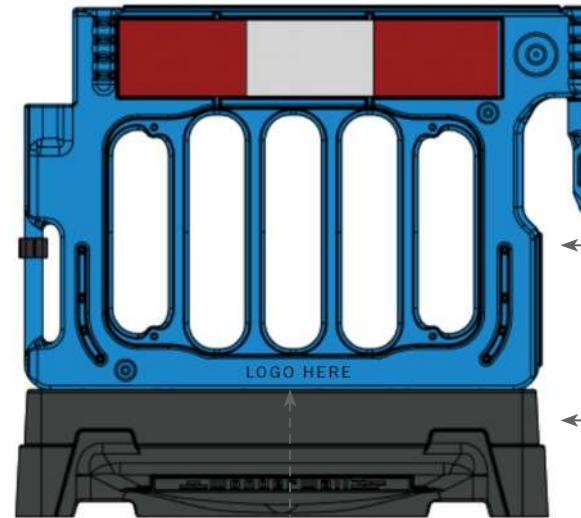
WonderWall Customisation

The WonderWall Barrier can be fully customised to suit your companies brand.

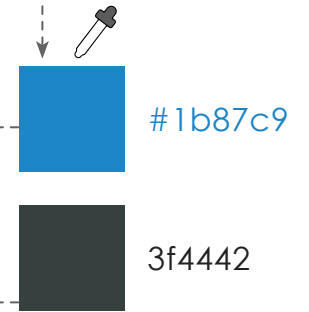
When ordering over 200 barriers we are able to offer the option to customise the colour of your WonderWall Barriers. This can be utilised to further your companies brand and identification, using a web based colour code as shown on the right we can generate the correct pantone to colourize your barriers.

We are also able to offer logo embossing on the WonderWall Barrier, with a one time purchase of the embossing plate your company identification can be added to the barrier.

Company Branding



safesite[®]
FACILITIES



Company Identification Embossed



Fence Add-On

For additional versatility and security, WonderWall barriers can be used in a double-decked system, for example by adding anti-climb fencing panels.

The WonderWall barrier system is optimised for endurance, both in deployment and strength within site situations.

This easily transportable, long-life system from SafeSite offers maximum strength and cost-efficiency combined.

Fence Specifications

Length	Width	Height
970mm	40mm	1060mm



Box Configuration With Fence



Fence Insertion Opening



Double Top Add-On

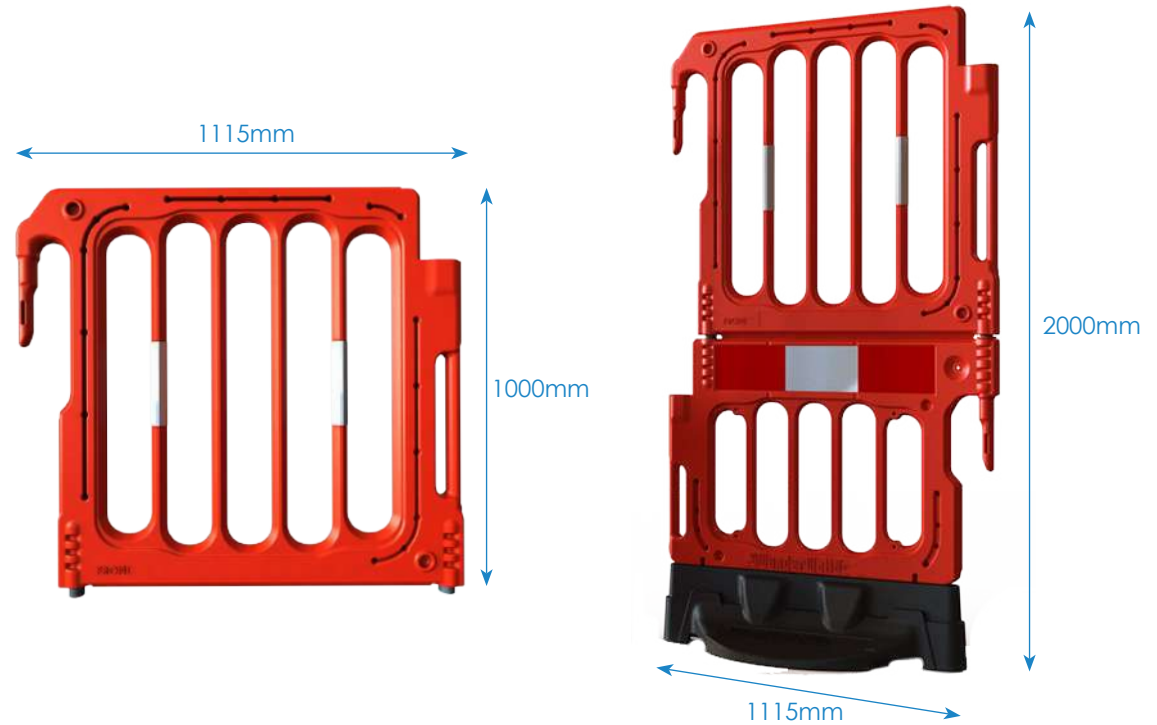
The Double Top has been designed to be a lightweight, durable fence panel, that eliminates the need for additional brackets that are used with the more conventional metal fence tops.

The Double Top has highly reflective sleeves on two of the vertical spindles for high visibility. It has a hook and eye connection making installation easy and efficient.

Manufactured from HDPE and 100% recyclable.

Double Top Specifications

Length	Width	Height	Weight
1115mm	60mm	1000mm	2.8kg



Slots Into The Top Of The WondeWall



Hook & Eye Connection



90° Degree Corner Layout

The WonderWall system has been designed to easily navigate angles.

The barrier can be pivoted at the connection pin and the bases allow for 90° angles which can be very beneficial when creating pedestrian walkways or making small square compounds for minor street-works.



Boxed Formation



Configured At 90°



Pivot On Connection Pin



Boxed With Double Top



Gate Barrier Wind Loading

All temporary traffic barriers must be able to withstand three different classes of wind speeds with the use of a ballast.

The standard BS 8442:2015 states the three classes as the following - Class A: 26.3 m/s (58 mph), Class B: 17.6 m/s (39 mph), Class C: 8.7 m/s (19 mph).

The WonderWall system was tested under strict conditions at the Mira Full Scale Wind Tunnel to determine what level of wind speeds the barrier can withstand.

1 0kg Ballast Weight

33 mph

Wind speed withstood, not to failure point.



MIRA CLASS C - PASSED

2 15kg Ballast Weight

47 mph

Wind speed withstood, not to failure point.



MIRA CLASS B - PASSED

3 65kg Ballast Weight

65 mph

Wind speed withstood, not to failure point.



CLASS A - PASSED

4 40kg Ballast Weight

63 mph

Wind speed withstood, not to failure point.



CLASS A - PASSED

WonderWall In Action

SafeSite's WonderWall barrier system links with a separately moulded peg, which provides a secure fix and offers easy connection between barriers.

This system allows for runs of extra strength barriers to be readily erected, ensuring efficiency in emergencies or short-schedule situations. This peg linkage system also means that any dismantling and repositioning can also be achieved quickly.

The peg linkage also makes WonderWall barriers compatible with other barrier systems, including the WonderDoor gates which can be easily connected using the door's S-Clip system, to allow access points.

Compatible With The Wonder Door



Barrier Slotting Into Base



WonderWall On Site

Attach Lamp Or Flashing Beacon



Compatible With The Gate Barrier



WonderWall Stacking

SafeSite's WonderWall barrier system links with a separately moulded peg, which provides a secure fix and offers easy connection between barriers.

Bases are designed to be stacked separately from the WonderWall, the WonderWall's are then stacked back to front with up to 21 barriers per pallet and then put atop the bases.

Once this is complete it is important to use shrink wrap around the bases and barriers for extra security.

1

Load from side



Stack as shown for trailer length



As viewed from trailer rear

2

Diagram below as viewed from trailer side

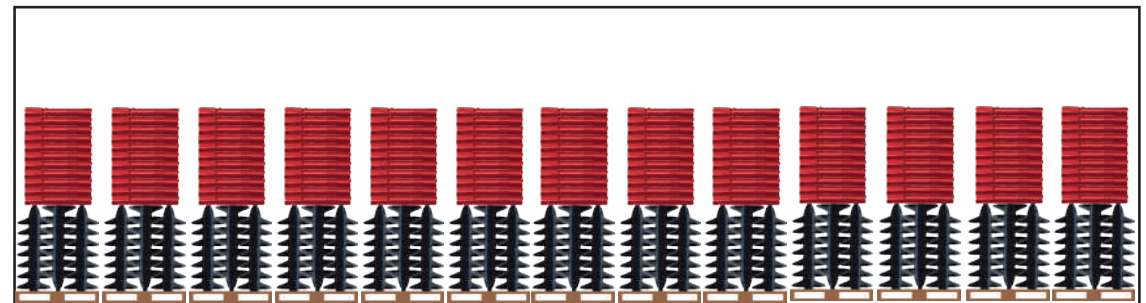


Diagram above demonstrates the correct loading formation when transporting a maximum load of 462 barriers.

Technical Details

Weight 21.3kg

