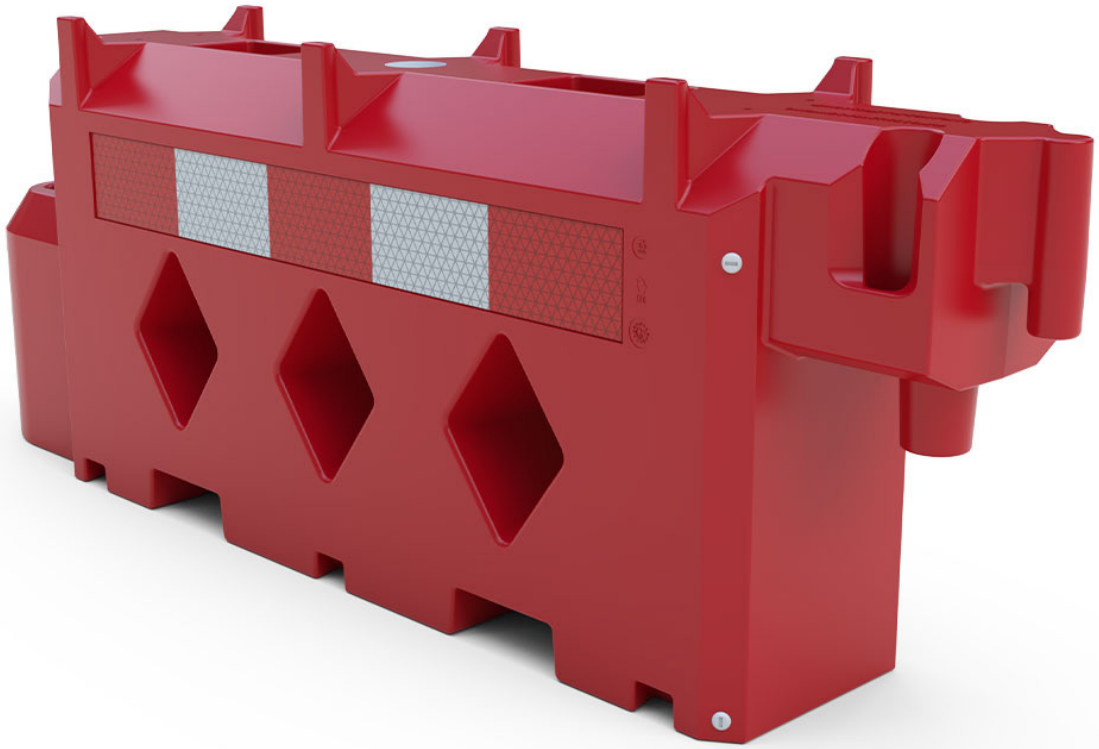


Nexus Barrier

Specification Sheet

WFS140100

22/10/26

safesite FACILITIES

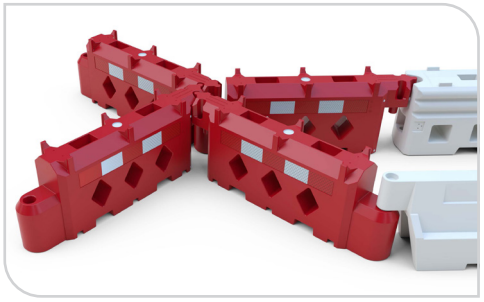
Nexus Barrier

The Nexus Barrier is a versatile water filled barrier designed for construction site perimeters, temporary compounds and pedestrian walkways.

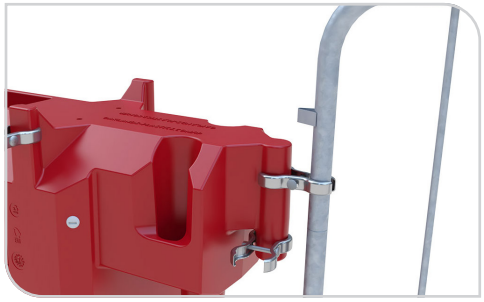
Its multi-directional linking system allows you to create straight runs, curves and branching layouts, helping you adapt your boundary as site requirements change.

Each unit provides a 2m working length and weighs 28kg empty, and weighing 408kg when filled. Optional mesh fencing and hoarding panels extend the system beyond low-level delineation, providing additional height for site security or screening.

Integrated fork slots and stacking lugs assist with handling and organised storage. The angled anti-climb top surface adds a further deterrent to climbing over the barrier.



Multiple connection configurations



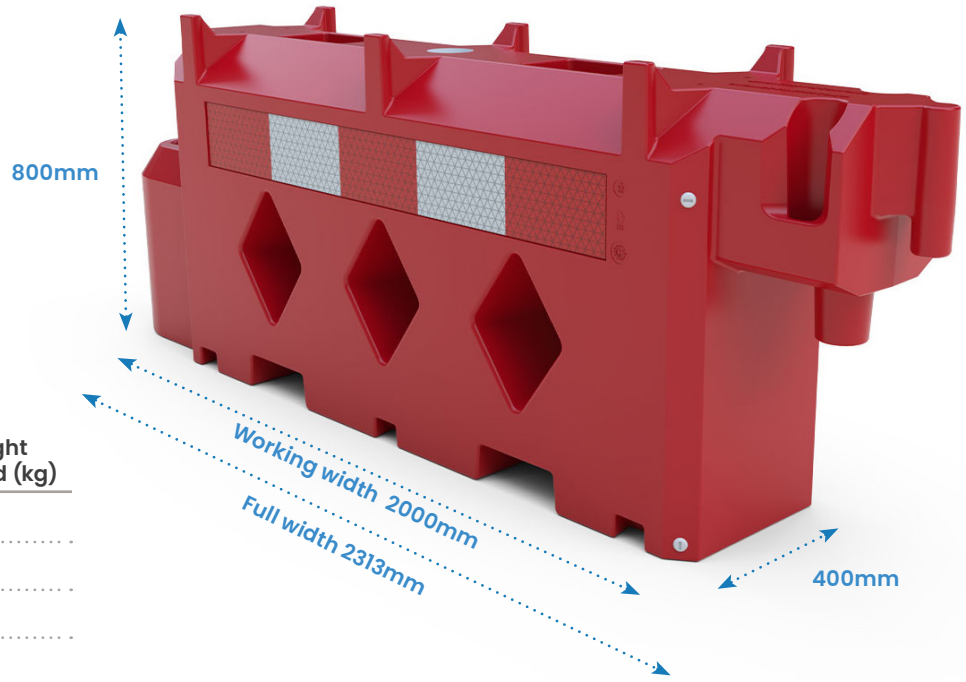
Nexus Barrier connected with 2.3m Pedestrian Barriers

Nexus Barrier Specification

Description	Size (mm)	Working Width (mm)	Weight (kg)	Weight Filled (kg)
WFS140100 - Nexus Barrier (Red)	H800 x W2313 x D400	2000	28	408
WFS140110 - Nexus Barrier (White)	H800 x W2313 x D400	2000	28	408
WFS140320 - Nexus Barrier Mesh Panel	H1345 x W1949 x D41	-	13.5	-
WFS140300 - Nexus Barrier Hoarding Panel	H1345 x W1949 x D41	-	20	-

Key Features

- Multi-directional linking for corners, junctions and enclosed compounds
- Rotates 90° degrees for corners
- Made from UV MDPE
- Easy to assemble, stack, and transport
- Can be filled with water or sand
- Option with and without reflective strips
- Can connect with others water filled and street work barriers
- Chapter 8 compliant
- Pallet stack quantity: 6 or 9
- Mesh & hoarding available for 2.15m total height
- Wind resistance for standard and buttressing configuration set-ups

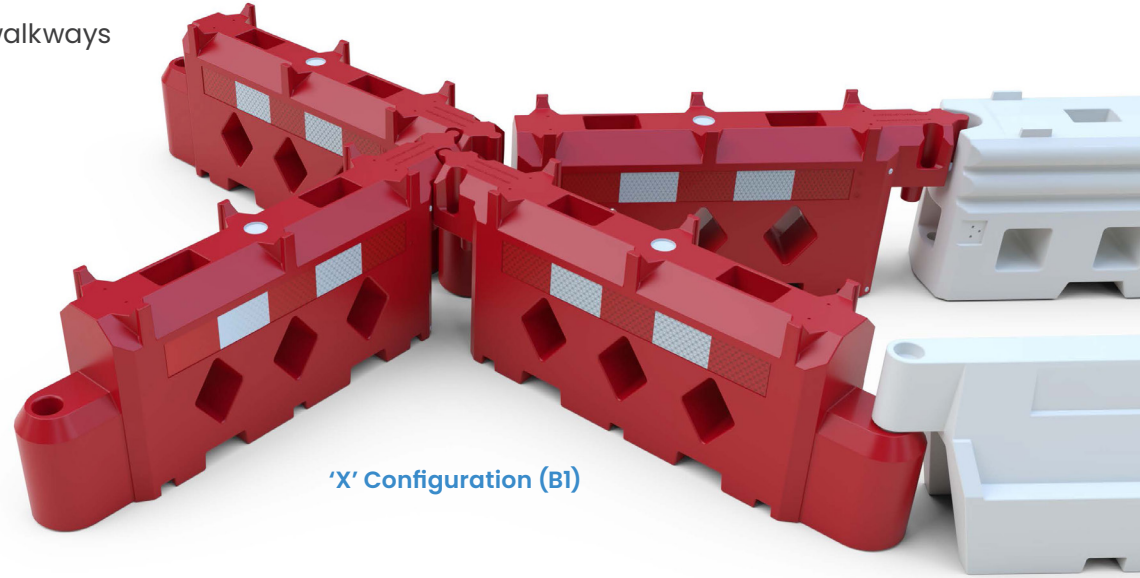


Nexus Barrier Flexible Layout Options

Connect up to four Nexus barriers at a single junction to create **X**, **T** and **Y** configurations. The linking system also forms 90-degree corners, curved perimeter runs and square internal compounds.

This flexibility makes it easier to divide working areas, create intersecting walkways and accommodate changes in direction within a single barrier system.

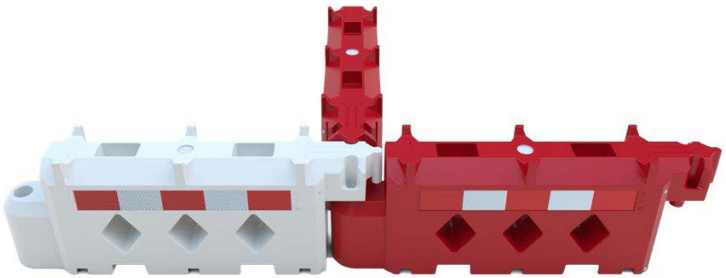
The Nexus Barrier can be linked in “P” (parallel) or “T” configurations to suit the available space and enhance wind load resistance. This versatile design enables deployment in locations where other barriers may require additional support products, without the need for separate supporting systems.



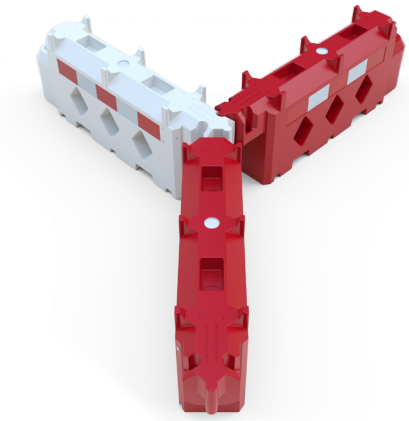
‘X’ Configuration (B1)



‘P’ Configuration (B2)



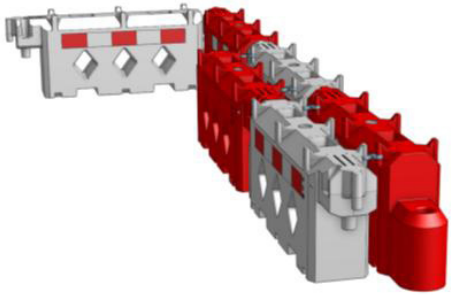
‘T’ Configuration (B1)



‘Y’ Configuration (B1)

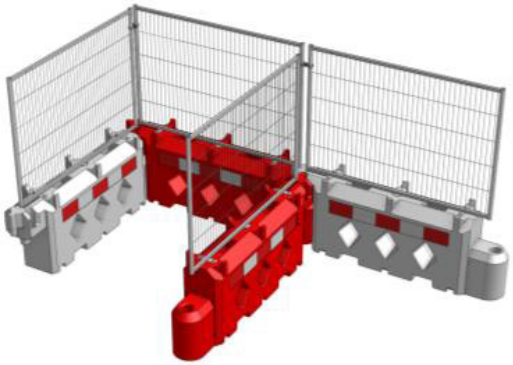
Nexus Barrier Flexible Layout Options

This barrier system offers a versatile and modular solution for creating secure, clearly defined boundaries across a range of working environments. Its flexible connection system allows individual barriers to be joined in various configurations to suit site layouts, pedestrian routes and changing operational requirements. By combining water filled barrier units with optional buttressing, mesh fencing and hoarding, the system can provide additional stability, enhanced separation and controlled access where required.



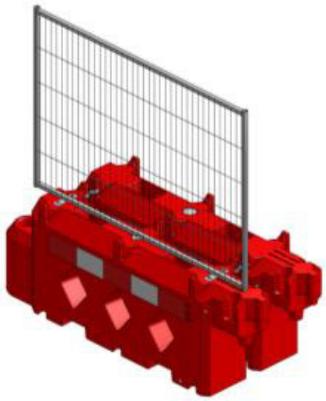
Buttressed Option (B2)

Connected in a straight line, with additional buttressing units providing support and stability to the barrier system.



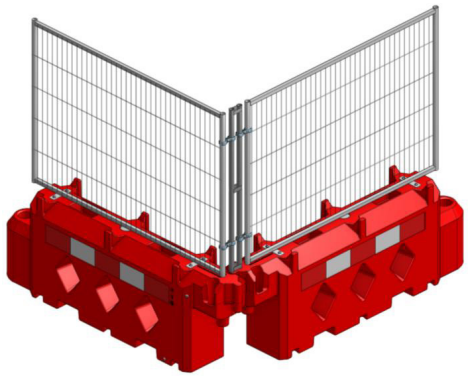
Angled Buttressed Option with Mesh Fencing (B1)

Barriers are connected at intersecting angles and supported by buttressing units, with mesh fencing fitted above to provide additional separation and restrict access.



Paralleled Buttressed Option with Mesh Fencing (B2)

Connected with supporting buttress units and vertical mesh fencing, providing a reinforced boundary suitable for separating work areas and controlling pedestrian access.



90° Degree Corner Connections (B1)

Individual barriers are joined at right angles to create corner sections, allowing the barrier line to change direction while maintaining a continuous boundary. Mesh fencing can be incorporated to increase the height of the protected area.

Compatible with Other Barriers

Nexus is designed to integrate with other products, helping you build a connected perimeter using different barrier types.

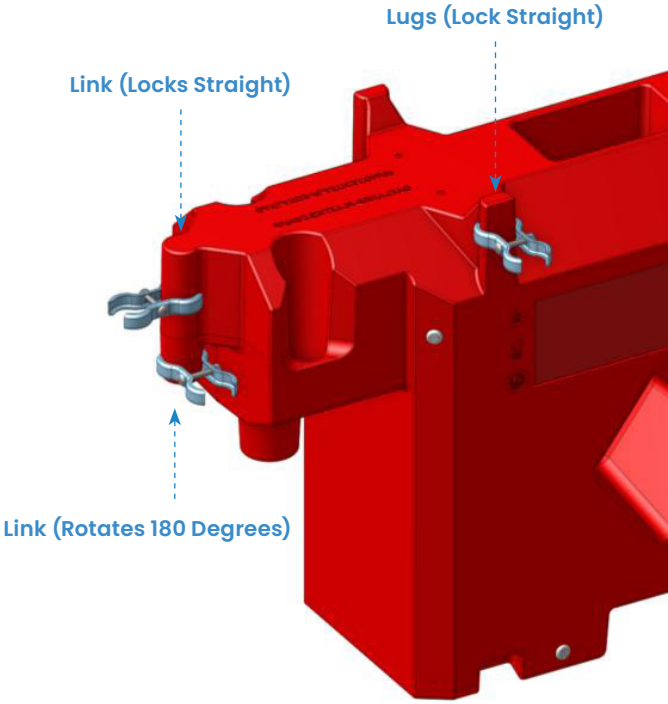
The barrier can connect to other barriers in straight runs or some with 90-degree corners. The Nexus and other water filled barriers can connect using the male to female slots. With the Chapter 8 street work barriers connect using the standard fence coupler and also can connect to 38.1mm tube products, and barriers with mesh fencing.

Connections allow compatible products to share the stabilising benefit of the Nexus ballast, with the layout and fittings selected to suit your installation.

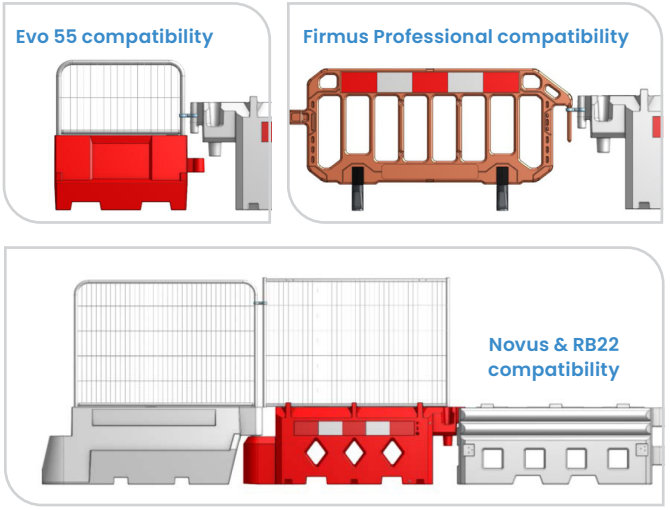
Below are the following products that are compatible with the Nexus Barrier, identifying what part of the barrier connects with Nexus.

Compatible products & coupler	Lugs	Link
Firmus Professional (Pin)	✓	✓
2.3m Pedestrian Barrier (End Rails)	✓	✓
Walkthrough Barrier (End Rails)	✓	✓
3.5m Temporary Mesh Fencing with Rubber Feet (End Rails)	✓	✓
Evo 55 Barrier with Mini Mesh (Mesh Ends, Barrier Pin End)		✓
Evo 55 Barrier with Mini Mesh (Mesh Ends, Barrier Flat End)	✓	✓
Evo Gator 500 Barrier with Mini Mesh (Mesh Ends, Barrier Pin End)		✓
Evo Gator 500 Barrier with Mini Mesh (Mesh Ends, Barrier Flat End)	✓	✓
Rota Slot with 3.5m Mesh Fencing (Mesh Ends)	✓	✓

Compatible products & coupler	Nexus Female End Link	Nexus Male End Link
Novus (Male End link)	✓	
Novus (Male End link, Mesh End & Coupler)	✓	
RB22 Barrier (Female end)		✓



Examples of compatible connection options



Wind resistance calculations summary

The Nexus Barrier has wind calculations

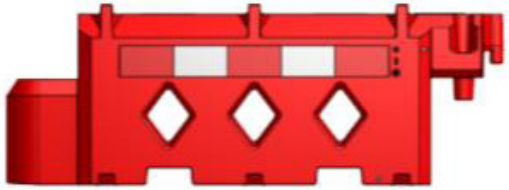
Our Nexus Barrier system has had wind reistant calculations to assess its performance and stability under different configurations. Covering the single barrier unit, buttressed barrier, and barrier systems fitted with mesh fence and hoarding panels, including buttressed panel configurations.

These calculations provide an overview of the system's performance across a range of applications.

Nexus Barrier Single Unit

87 mph

Wind speed calculations

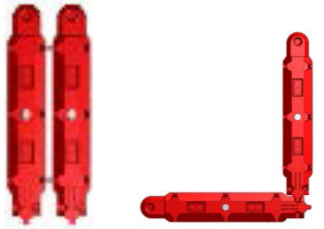


CLASS A

Nexus Barrier Buttressed

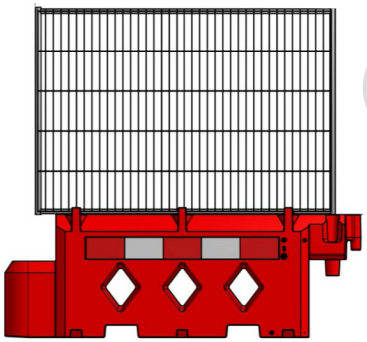
101 mph

Wind speed calculations



CLASS A

Nexus Barrier + Mesh Fence Panel

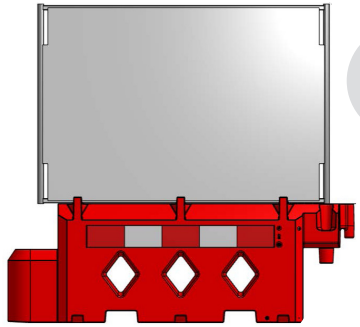


61 mph

Wind speed calculations

CLASS A

Nexus Barrier + Hoarding Panel

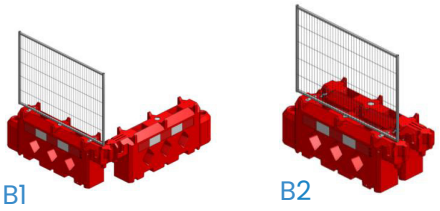


30 mph

Wind speed calculations

CLASS C

Nexus Barrier + Mesh Fence Panel Buttressed

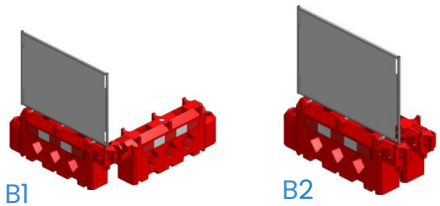


93 mph

Wind speed calculations

CLASS A

Nexus Barrier + Hoarding Panel Buttressed

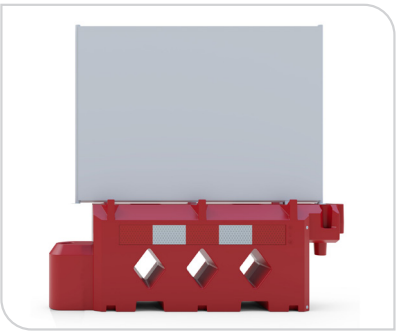


41 mph

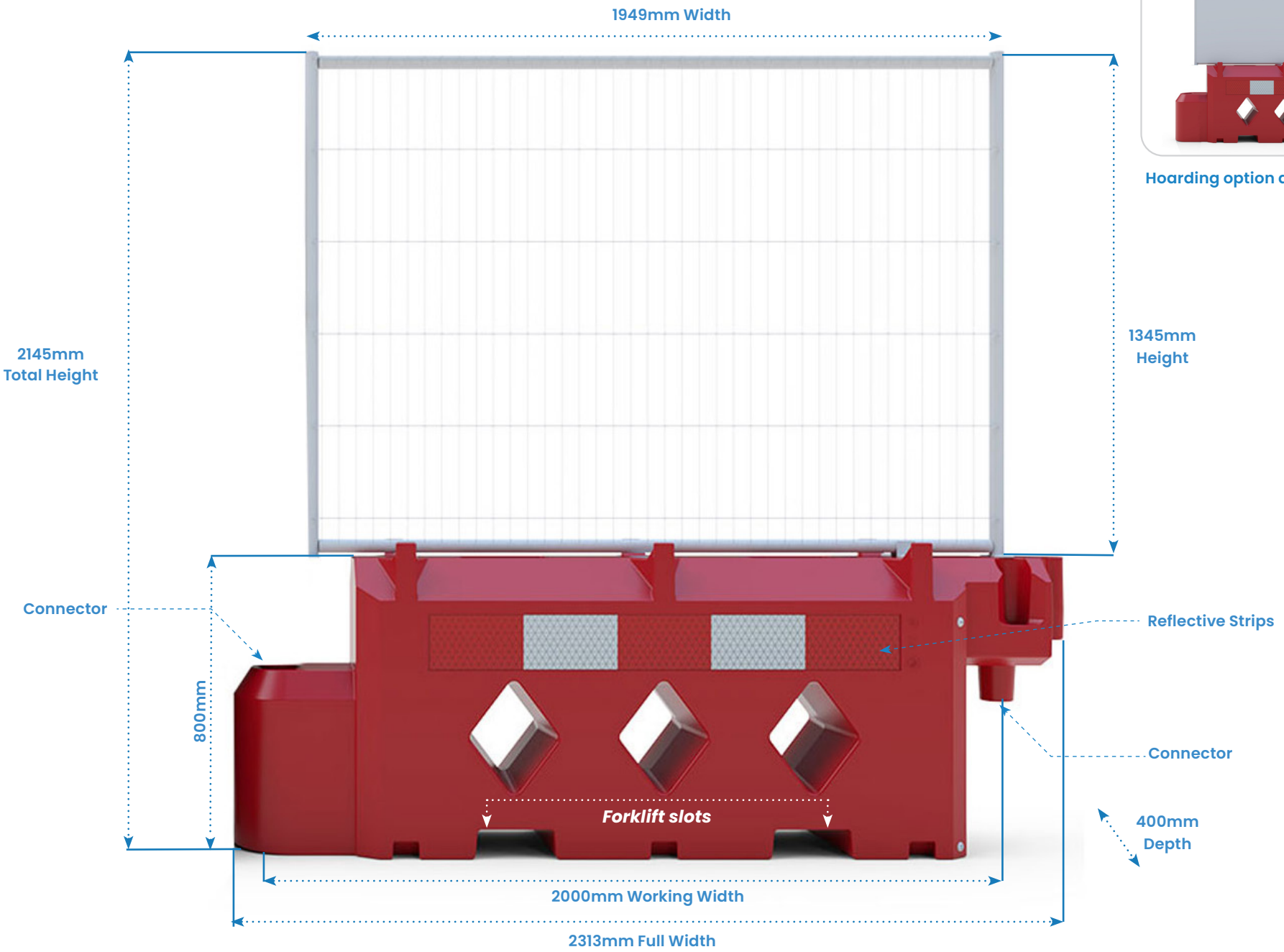
Wind speed calculations

CLASS C

Technical Details



Hoarding option also available



Installation parts

Nexus Water Filled Barrier - Measurements in mm

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

Accessory parts: The following accessories are required when attaching fence or hoarding panels to the Nexus barriers. Additional items (such as adaption flags) will be required should you require gates. Please contact our sales team for more information.

1 **Drainage plug**
Quantity: 1



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

2 **Filler cap**
Quantity: 1



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

1 **M12 x 25 Fasteners**
Quantity: 4



Size (mm)	**Weight** (kg)
-	-

2 **M12 x 25 Washers**
Quantity: 4



Size (mm)	**Weight** (kg)
-	-

3 **Galvanised Fence Couplers**
Quantity: 2



Size (mm)	**Weight** (kg)
H50 x W52 x D130	0.2

4 **WFS140320/WFS140300 Mesh or Hoarding panels**
Quantity: 1 per barrier



Size (mm)	**Weight** (kg)
H1345 x W1949 x D41	13.5/20