FirstFence®
HIRE & SALES

WonderWall™ Barriers

Specification Sheet

SPC-WONDERWALL-001A



Call our Expert Sales Team for more information.

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Heavy-Duty Traffic Management & Site Safety

Engineered for incredible stability and performance, the heavy-duty WonderWall™ Barrier delivers quality and protection for roadside roadworks and on-site excavations. Providing a safer working environment, this robust system ensures stability in high winds without the need for additional ballast, easily withstanding harsh environmental conditions and prolonged outdoor use.

Designed for rapid deployment and highly efficient logistics, the WonderWall™ features a securely fixed connection peg for quick assembly and integration with both existing barrier networks and the WonderDoor™ access system. With fully stackable bases featuring integrated fork-lift entry holes and an efficient design that allows for 21 pieces per pallet, it provides effortless single-person handling and streamlined transportation to meet your site's dynamic temporary safety requirements.

Key Features

- Exceptional Wind Stability
  (The heavy-duty design is stable in high winds without additional weight)
- Rapid & Secure Connection
  (Features a fixed peg for quick assembly)
- Highly Efficient Logistics
  (Bases are fully stackable with integrated fork-lift entry holes)
- Complete Corporate Customisation
  (Tops & bases can be colour coded for corporate identity)
- Versatile Accessory Integration
  (Includes location holes for courtesy signs and lamp brackets)



Suitable For

- Roadworks & Highway Maintenance
- Construction Sites & Excavations
- Pedestrian & Plant Segregation
- Large-Scale Events & Crowd Control
- Temporary Traffic Management

Specification

HEIGHT	WIDTH	DEPTH	WEIGHT	MATERIAL	COLOUR
1000mm	1140mm	50mm (Barrier Depth) 500mm (Base Depth)	25kg	Blow-Moulded HDPE (Top Section) Recycled PVC (Base)	Red

CONFORMITY AND STANDARDS

- Reflectivity requirements of BS EN 12899-1
- Chapter 8 - The Traffic Signs Manual
- Traffic Signs Regulations & General Directions



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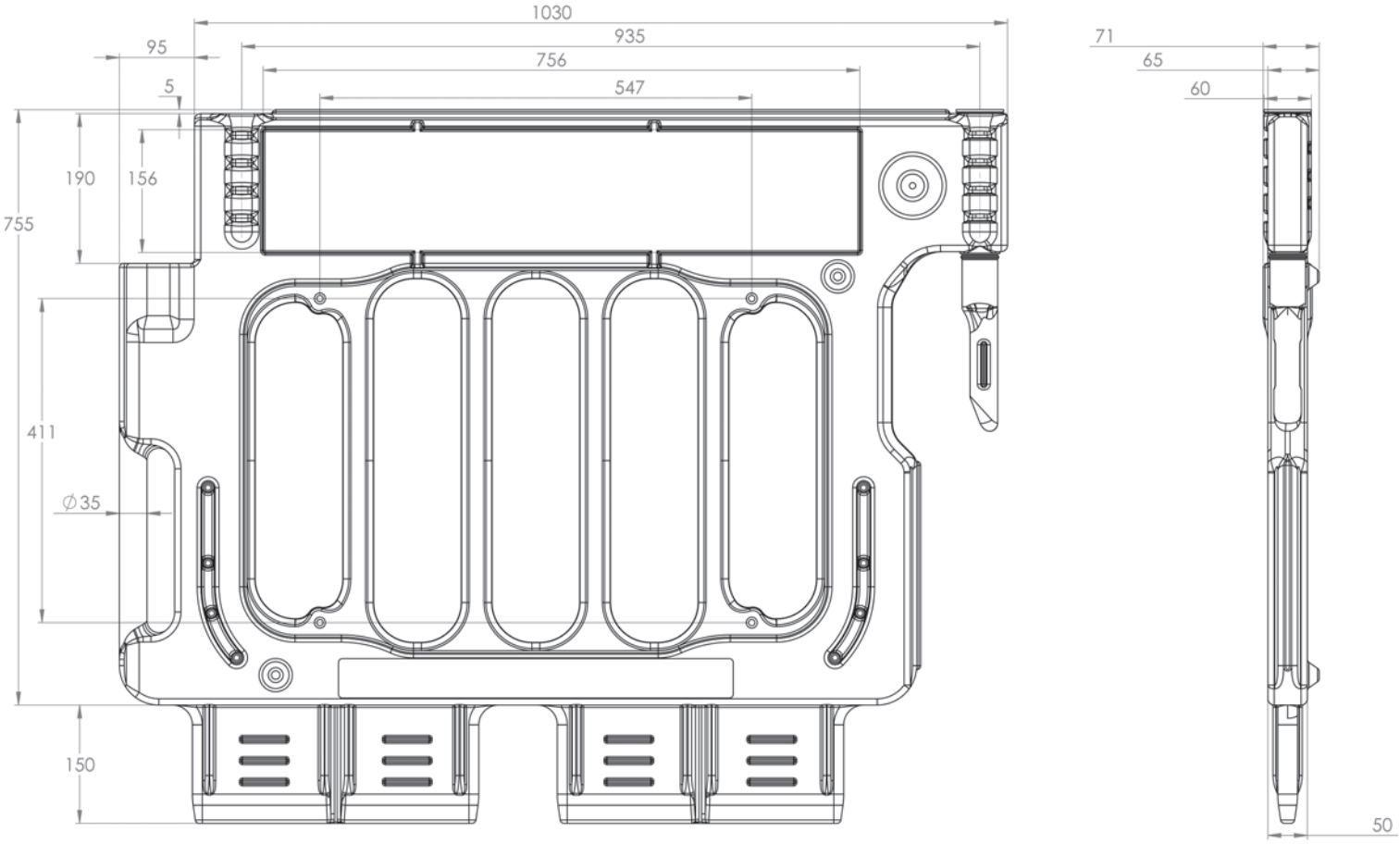

Wind Speed Testing

Temporary traffic barriers require ballast to comply with the three wind speed classifications outlined in BS 8442:2015:

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 its maximum wind resistance. Below are the results and the required ballast weights for each class.

CLASS C

Withstood up to 33.2 mph
Recommended Ballast Weight: 0kg



CLASS B

Withstood up to 47.8 mph
Recommended Ballast Weight: 15kg



CLASS A

Withstood up to 65.6 mph
Recommended Ballast Weight: 65kg



BOXED

Withstood up to 63.2 mph
Recommended Ballast Weight: 40kg



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