

AVALON BARRIER

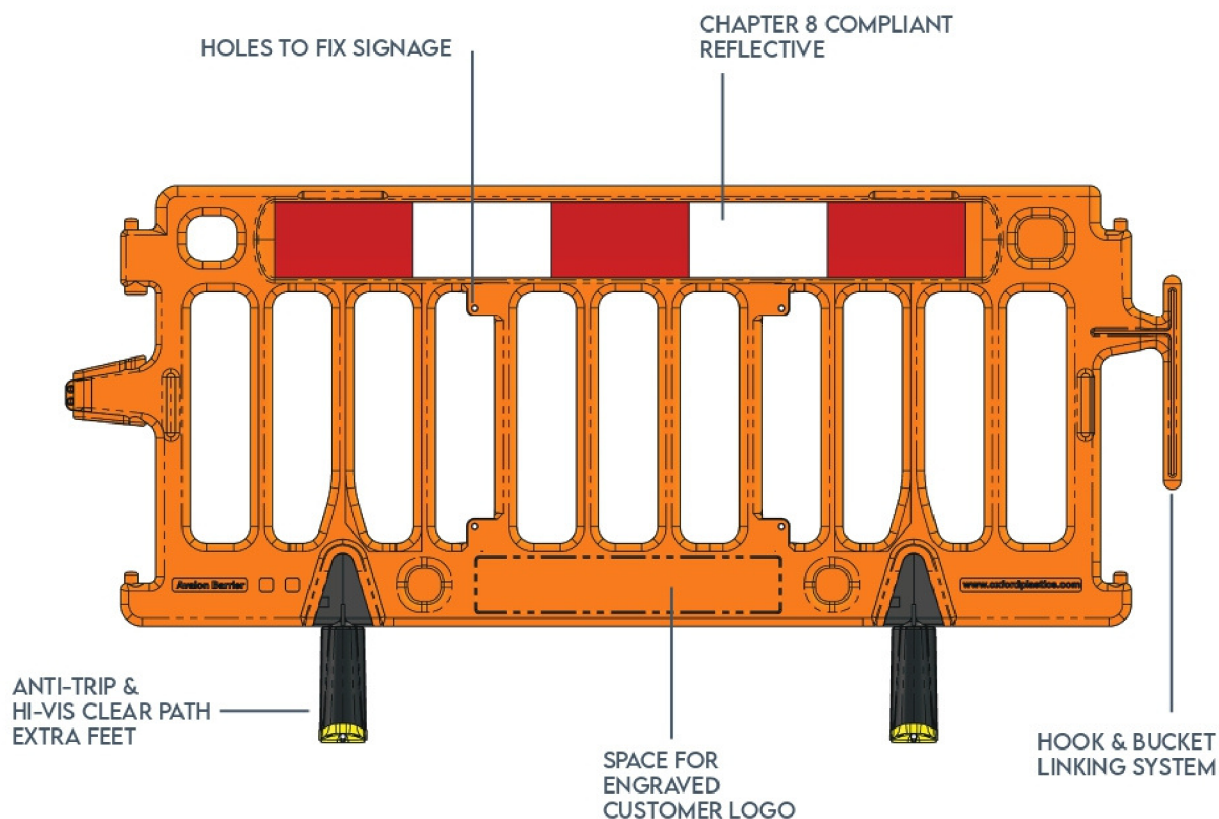


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FEATURES AND BENEFITS



SAFETY BARRIER

Fully compliant with Chapter 8 Street Works.

Oxford Plastics most versatile safety barrier.

2m / 80", 1m / 42" and 0.5m / 26" sizes available to meet specific requirements.

Tamper-proof locking system.

Create semi-permanent perimeter using our ballasting options.

EASY TO USE & TRANSPORT

Barriers nest together for efficient and secure stacking.

2m / 80" sections weigh only 11kg.

Available with ballasting options up to category A wind resistance.

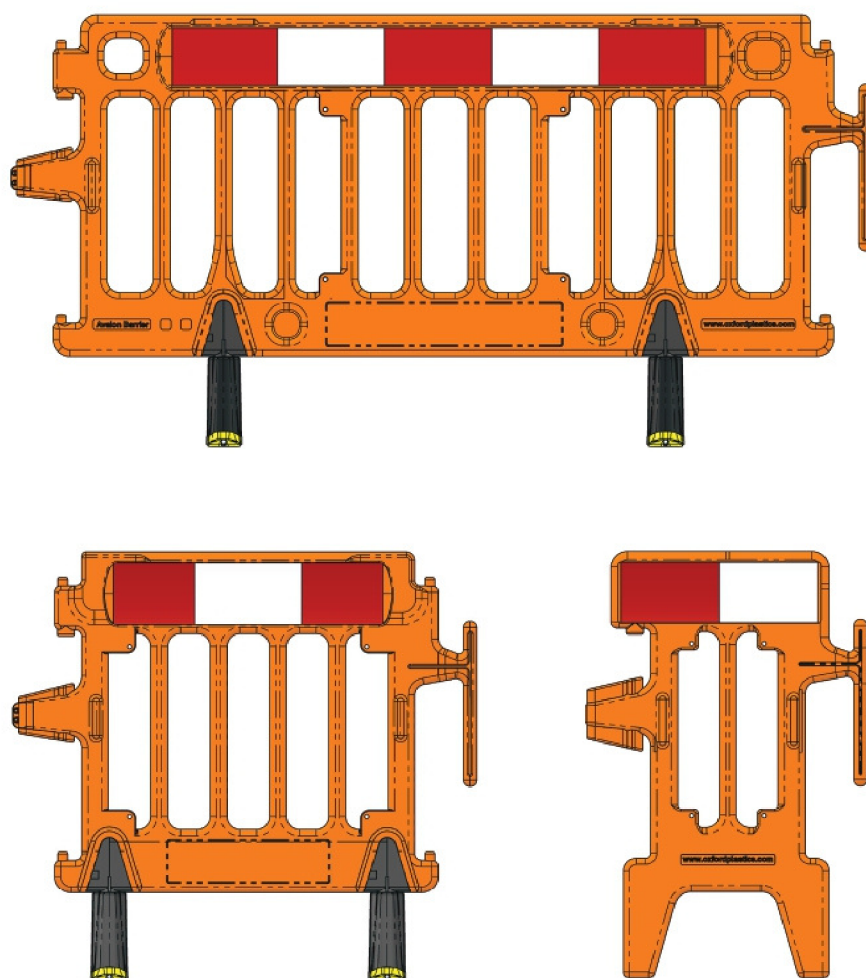
EXTRAS

Can be customised with customer logos.

Colour customisable, MOQs apply.

Maintain quality and performance with spare parts if necessary.

WHAT PROBLEMS DOES IT SOLVE



PLASTIC ROAD SAFETY BARRIER

Provides safe access for pedestrians through highways and construction works.

Maximise safety for members of the public and site workers.

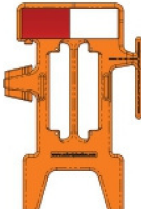
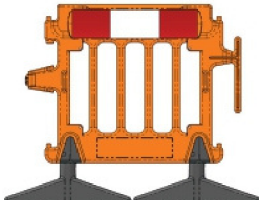
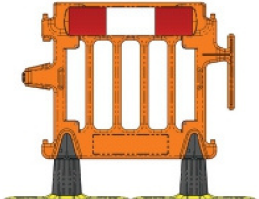
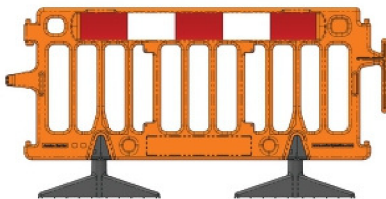
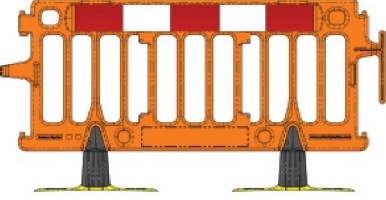
Feet available in 2 options: ClearPath Extra which is 100% anti-trip, or Standard.

CREATE ACCESS



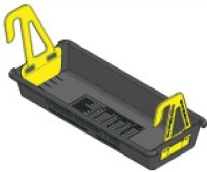


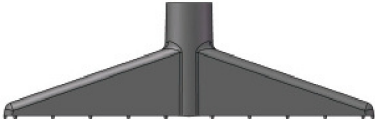
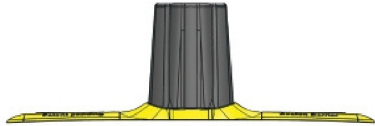
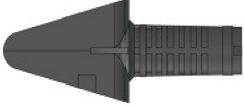

Clearly defined access in high traffic areas.

Link barriers together using the hook and bucket linking system to create any configuration for street works or construction sites.

FULL PRODUCT RANGE

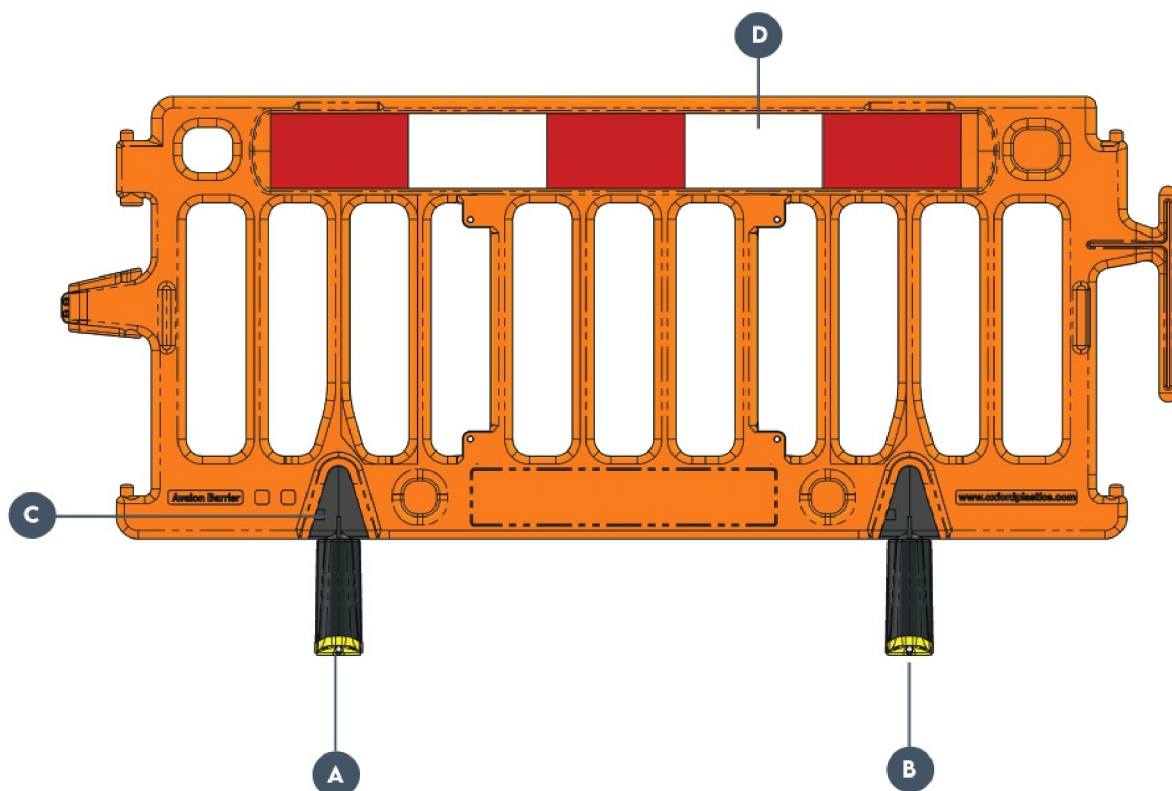
Description	Dimensions	Images
O646 Avalon Barrier 0.5m Orange with reflective	655mm / 25.8"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	
O634 Avalon Barrier 1.0m Orange with reflective, with Standard Black Feet	1075mm / 42.3"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	
O634 Avalon Barrier 1.0m Orange with reflective, with ClearPath Extra Feet	1075mm / 42.3"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	
O635 Avalon Barrier 2.0m Orange with reflective, with Standard Black Feet	2005mm / 78.9"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	
O635 Avalon Barrier 2.0m Orange with reflective, with ClearPath Extra Feet	2005mm / 78.9"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	

FULL PRODUCT RANGE

Description	Dimensions	Images
O197 Avalon Double Sided Ballast Base	1000mm / 39.3"(L) x 520mm / 20.5"(W) x 300mm / 11.8"(H)	
O274 DropBlock Barrier Ballast Weight	98mm / 3.9"(L) x 250mm / 9.8"(W) x 395mm / 15.6"(H)	
O88 Avalon Ballast Tray - Large	930mm / 36.6"(L) x 365mm / 14.4"(W) x 400mm / 15.7"(H)	
O95 Avalon Ballast Tray - Small	380mm / 15"(L) x 305mm / 12"(W) x 400mm / 15.7"(H)	
O501 Avalon Stability Bar	1248mm / 49.1" closed, extends to 2048mm / 80.6"(L) x 80mm / 3.2"(D)	
O621 Avalon Standard Feet Replacement (per foot)	640mm / 25.2"(L) x 87mm / 3.4"(W) x 200mm / 7.9"(H)	
O657 Avalon ClearPath Extra Feet Replacements (per foot)	645mm / 25.4"(L) x 40mm / 1.6"(W) x 1000mm / 39.3"(H)	
O622 Avalon Spigot Replacements (per item)	85mm / 3.3"(L) x 85mm / 3.3"(W) x 200mm / 7.9"(H)	
O9899 1.25m Reflective Strip Only	1250mm / 49.2"(L) x 140mm / 5.5"(H)	

SPARES

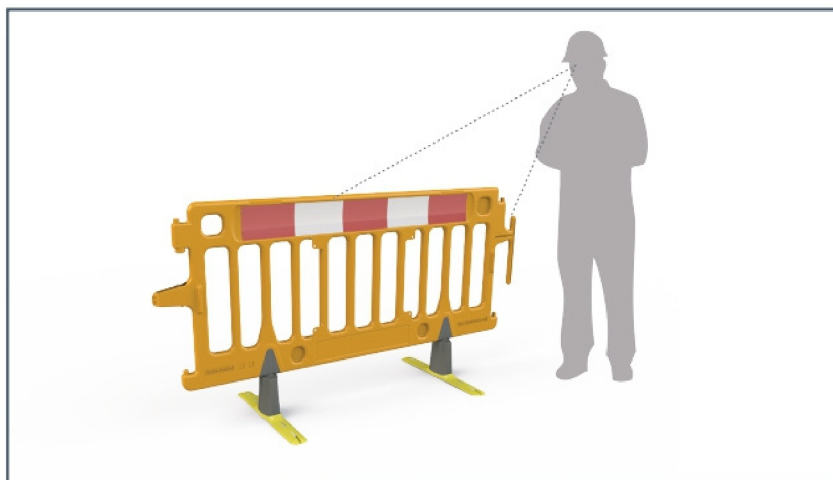
Parts can be disassembled, enabling elements to be replaced in the unlikely event of damage.



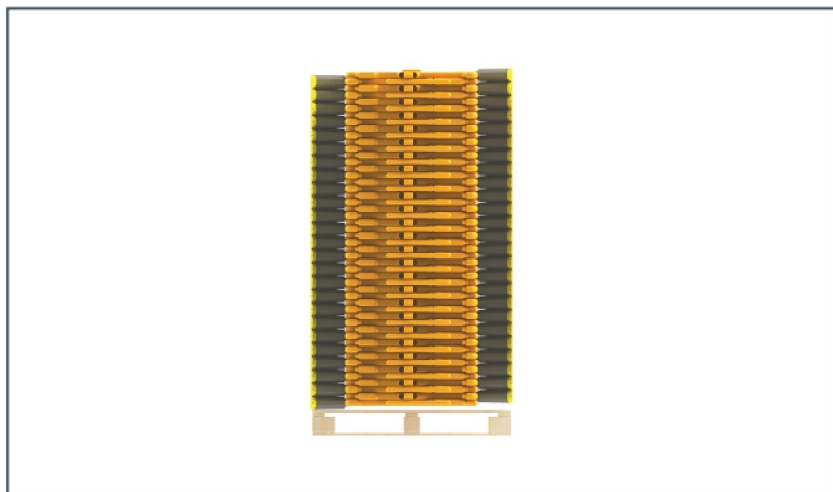
	Part Name	Material	Product Code
A	ClearPath Extra Feet	Yellow HDPE, Black recycled PVC, GRP Rebar	O657
B	Standard Foot	Black Recycled PVC	O621
C	Spigot	Black Recycled PVC	O622
D	Reflective	Red & white prismatic acrylic	O9899

INSPECTION AND MAINTENANCE

Care for the product by following the below guidance:



Inspect each product for signs of damage, between every installation.



When storing and transporting, ensure the Avalon Barriers are stacked and lay flat on top of each other.

Do not drop the product.
Do not lift or move with machinery.

SIGNS OF DAMAGE

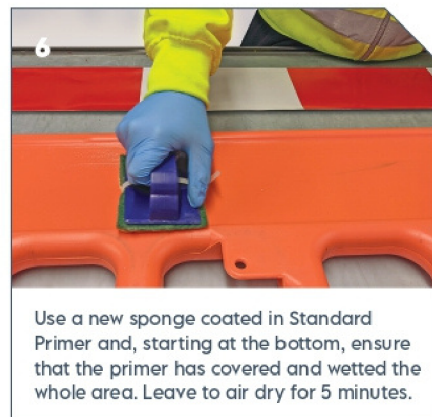
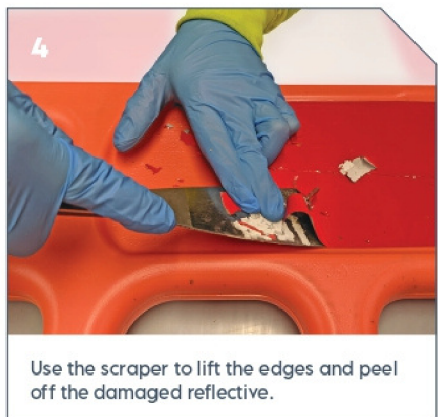
Cracks or breaks in the Avalon Barrier indicate it has been damaged through improper use.

If the products feet, spigots or reflective show signs of damage they can be repaired using the maintenance guide provided.

Repairing products extends the life of your equipment and reduces its carbon impact on the environment.

REPAIRING THE REFLECTIVE

A guide to reapplying reflective strips on Chapter 8 barriers.



REPAIRING THE FEET

A guide to removing the spigot and inserting new feet on the Avalon® Barrier.

1



You will need: protective gloves, a flathead screwdriver, a lump head mallet, 2 new barrier feet & spigots.

2



Place the damaged Avalon barrier on a workbench or a stable flat surface.

3



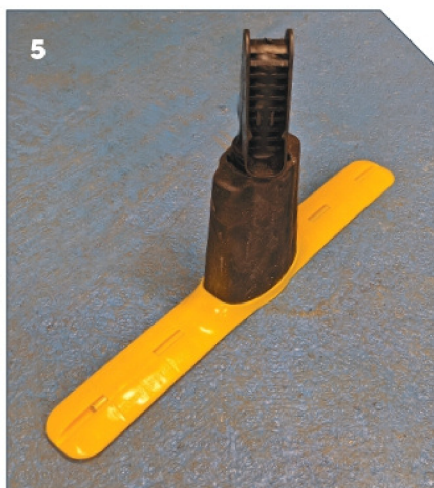
Insert the flathead screwdriver at the apex of the spigot, at a 45 degree angle.

4



Hammer the screwdriver down into the spigot until the spigot comes loose and remove it.

5



Insert the new spigot into the new foot and place on the floor.

6



Stand the Avalon Barrier in line with the foot and firmly press down.

7



Ensure the spigot is fully inserted.

INSTALLATION AND SAFE HANDLING

Follow the process below for safe and effective installation.

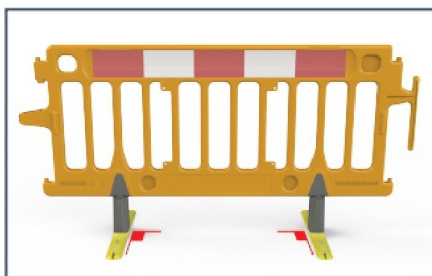
Site Specific Risk Assessments should be carried out to ensure the usage is suitable for the scenario.

The Avalon Barrier is suitable for Wind Category C (19mph) but does require additional ballasting for Category B (39 mph) and Category A winds (59 mph).

ROW OF AVALON BARRIER



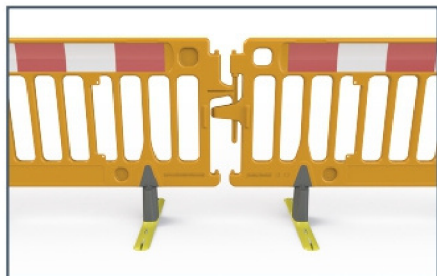
1. Assess the barriers to ensure there are no broken elements.



2. Ensure the Avalon Barrier feet are perpendicular to the barrier for stability.



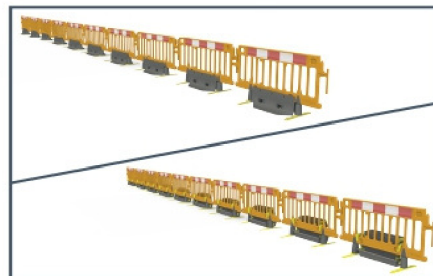
3. Begin placing Avalon Barriers with the reflective facing towards traffic.



4. Connect Avalon barriers at each end using the hook and pin locking system.



5. For high-wind conditions, install the StrongWall Base Ballast or Ballast Tray.



6. For additional information on ballasting to achieve each wind category, please refer to the Wind Resistance section.

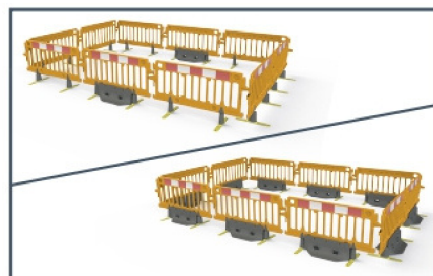
BOX OF AVALON BARRIER



1. Follow the same procedure as the row of Avalon Barriers up to stage 4.



2. Place the Avalon Barrier in a box formation, connecting them with the hook and pin system. Optional Stability Bars can be added to reduce the risk of barriers sliding & folding into



3. For additional information on ballasting to achieve each wind category, please refer to the Wind Resistance section.

WIND RESISTANCE

The Avalon Barrier system can be configured to meet wind classification requirements to BS8442 as shown below.

The Avalon Barrier is suitable for Wind Category C (19mph) but does require additional ballasting for Category B (39 mph) and Category A winds (59 mph).

WIND CLASSIFICATIONS FOR BS8442

Category A: 26.3 m/s, 59mph

Category B: 17.6 m/s, 39mph

Category C: 8.7 m/s, 19mph

AVALON BARRIER CONFIGURATIONS TO PASS WIND CLASSIFICATIONS FOR BS8442:

A



B & C



D



E

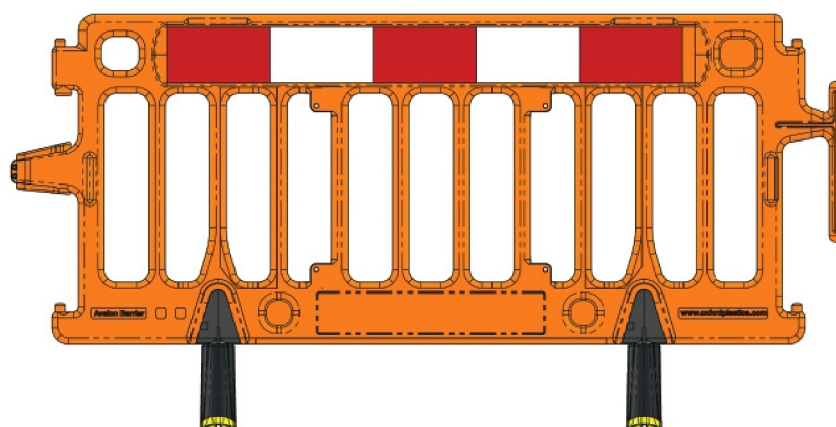
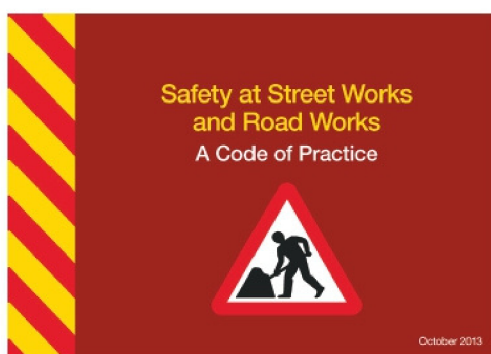


F



Configuration	Description	Cat C	Cat B	Cat A
A	2m Avalon	✓		
B	2m Avalon + Small Ballast Tray & 18kg Fence foot	✓	✓	
C	2m Avalon + Small Ballast Tray & 2x 18kg Fence feet	✓	✓	✓
D	2m Avalon + StrongWall Base	✓	✓	
E	2m Avalon + Large Ballast Tray & 2x 18kg Fence feet	✓	✓	
F	2m Avalon + Stability Bar in a square	✓	✓	✓

CODE COMPLIANCE

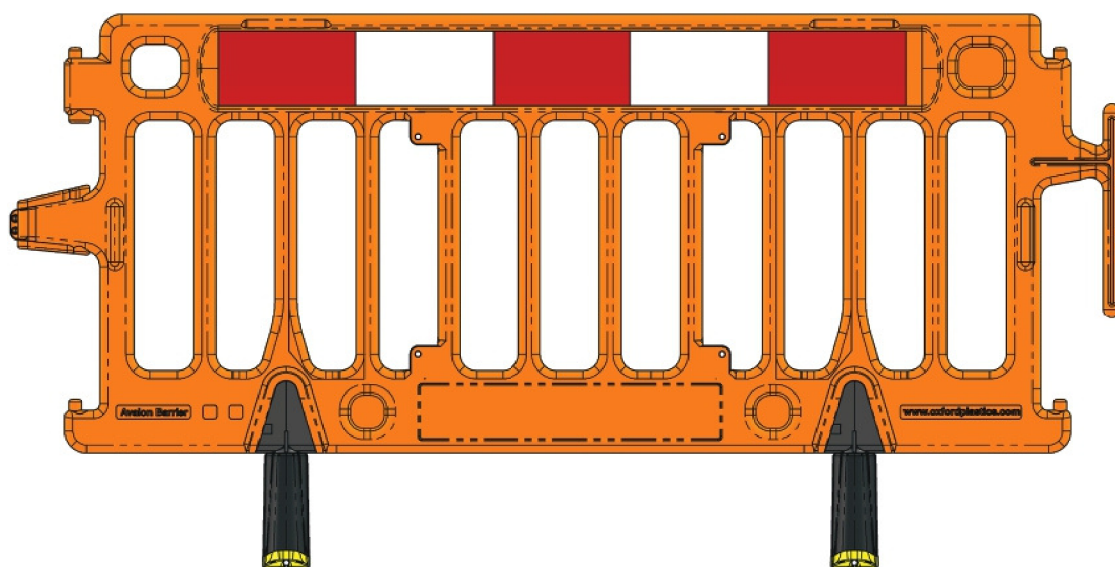


WHAT ARE STREET WORK REGULATIONS?

The Street Works manual, or Red Book, tells contractors how to set up their street works sites in a compliant manner and tells manufacturers how to make compliant products. Oxford Plastics design plastic safety barriers and anti-climb enhanced barriers that are 100% compliant with Safety at Street Works and Road Works (Red Book), Traffic Signs Manual (Chapter 8), BS 8442:2015 Miscellaneous road traffic signs and devices - requirements and test methods, BS EN 13422:2019 Vertical road signs — Portable deformable warning devices and delineators — Portable road traffic signs — Cones and cylinders, BS 7818:1995 Specification for pedestrian restraint systems in metal.

The Avalon Barrier system is Chapter 8 compliant for street works use.

RECYCLABILITY



MATERIALS

The Avalon Barrier body is made from HDPE, with Standard feet made using recycled plastics and ClearPath Extra feet made using recycled plastics & HDPE. StrongWall Base Ballast is also made using recycled plastics.

All Avalon components are recyclable.

Contact Oxford Plastics for information about returning end of life products.



ASSOCIATED PRODUCTS

When setting up a street works site, other Oxford Plastics solutions can be used to ensure compliance is achieved. Browse our Chapter 8 solutions; including advanced barrier systems, trench covers, road plates, wheelchair ramps and street works signs.



**ADVANCED
BARRIER SYSTEMS**



**PORTABLE
GATE BARRIERS**



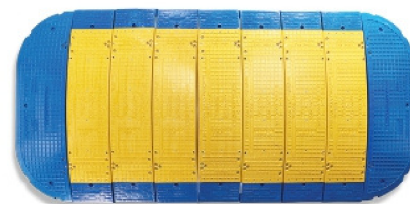
**STREET WORKS
SIGNS**



**WHEELCHAIR
RAMPS**



**TRENCH
COVERS**



**ROAD
PLATES**