SUSTAINABLE MOULDING SOLUTIONS

OAKLANDS PLASTICS

Water - Filled Plastic Barriers

Improved Safety

Engineered to absorb and deflect impacts, reducing the likelihood of injury and damage during collisions or vehicle contact.

Easy Installation

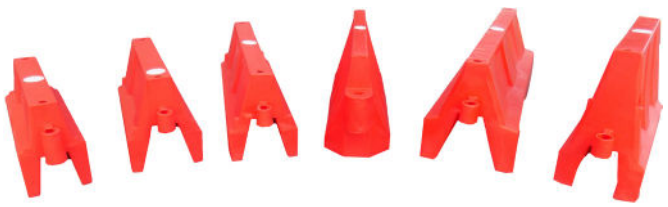
Lightweight when empty, these barriers are simple to transport & set up, making them ideal for temporary use at construction sites, public events, or emergency roadwork areas.

High Visibility

Vibrant, high-visibility colors paired with optional reflective strips provide excellent visibility in both daylight and low-light conditions.

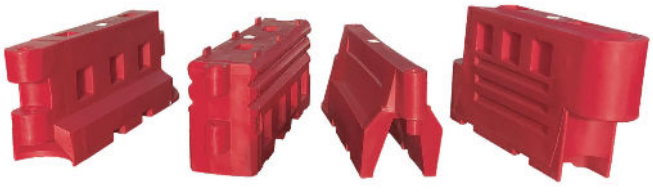
Our Range

Light Duty



Evogator Evo 1m Evo 1.5m Sitewall Euro 2m Evo 80

Heavy Duty



GB2 RB22 Novus RB22

Sustainability | Safety | Quality | Customer Focus | Reliability | Friendliness

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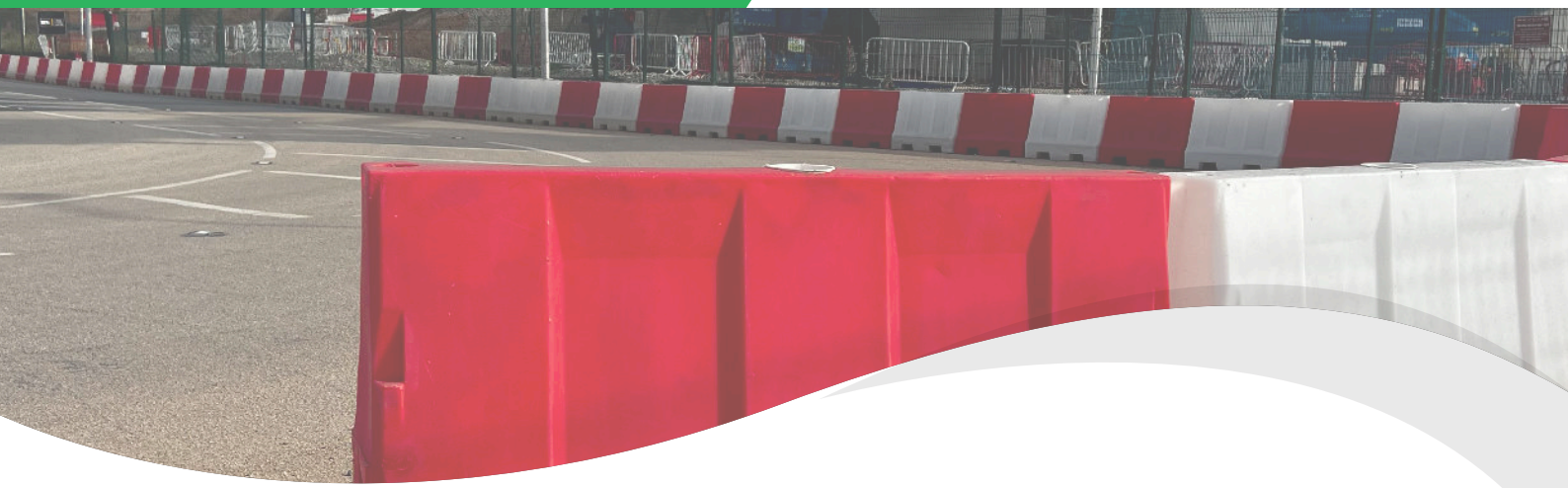

Water Filled Plastic Barriers - Your Questions Answered

What are water-filled plastic barriers made of?
Barriers are made from UV stabilised Medium Density Polyethylene (UV MDPE), highly durable and ideally suited for where prolonged exposure to sunlight could degrade alternative materials.

How do water-filled plastic barriers work?
Water ballast is used inside the barriers to increase their wind resistance. Unfilled, Barriers are typically designed to interlock together, to form an unbroken, continuous 'run'. When filled, accessories such as mesh or hoarding panels are typically available for increased visibility and security where required.

What is the weight of a water-filled plastic barrier?
Depending on the barrier chosen, weights can range from 4.6kg when empty up to 600kg when full. This allows for a wide range of applications from site demarcation to use in a live traffic, highways situation.

How are water -filled plastic barriers used?
Barriers have a multitude of uses, from segregating specific areas in car parks or school playgrounds to enclosing construction or utility sites. They are also often used on the highway, where operatives are road working.

How do you fill and empty water-filled plastic barriers?
Barriers can be filled easily by mains or bowser water supply through the large, easy fill caps. Drainage is through drain holes at the base of each barrier, fitted and sealed with a bung, which can be removed with a dedicated tool or simple screwdriver.

Can water-filled plastic barriers be used in freezing temperatures?
Water filled barriers, by their very nature, can be affected by freezing temperatures. As the ballast doesn't completely fill the barrier there is room for water's expansion during freezing. Steps can be taken to mitigate potential damage when the water inside barriers freezes and expands. It is not recommended to use anti-freeze products inside barriers, which could pose a toxic threat to the surrounding environment as well as causing potential damage to the barrier structure. A simple, and cost- effective solution, is to add salt to the water, which lowers the freezing point.

How are water-filled plastic barriers transported?
Barriers are transported either on a standardised or oversized pallet and shrink wrapped or banded together for safety during delivery. Once on site, barriers are easily manoeuvred in to position by either a one or two person team without the need for heavy machinery prior to water filling. The products also have fork slots for convenient movement. It isn't recommended barriers are moved while containing ballast.

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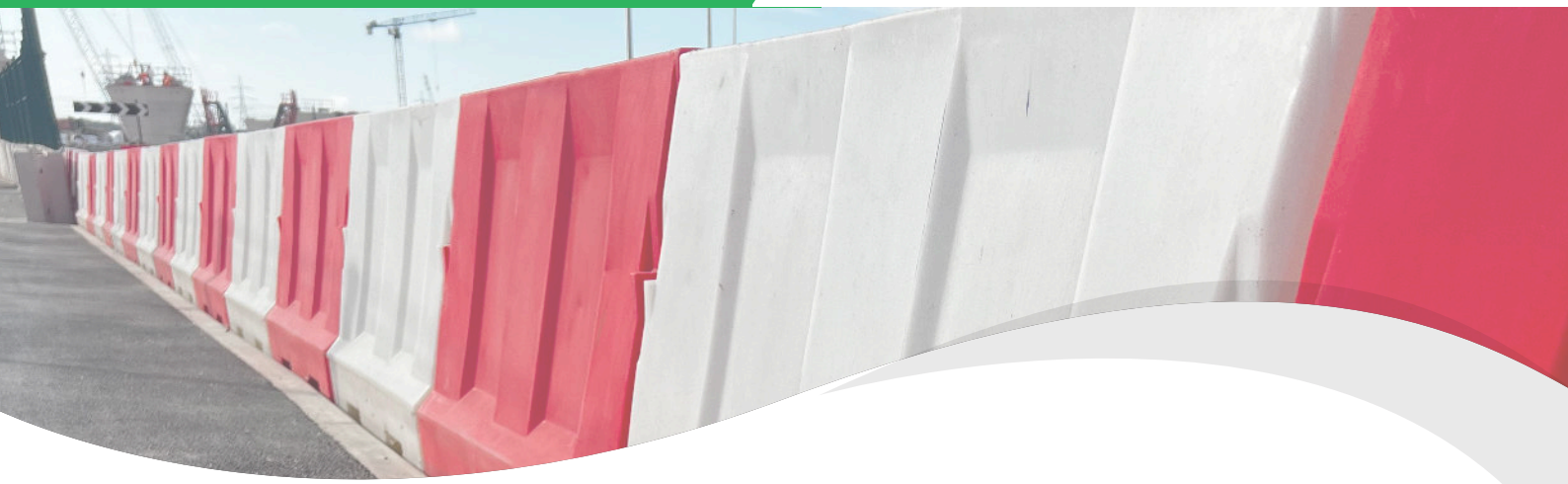

Water Filled Plastic Barriers - Your Questions Answered

How long do water-filled plastic barriers last?
Barriers, particularly those that are rotationally moulded are designed to be durable and long lasting under normal working conditions. The lifespan of barriers will vary depending on use and care.

Can water-filled plastic barriers be stacked or connected?
Most barriers can be stacked for both easy storage or transportation. This makes them a very cost-effective solution.

Are water-filled plastic barriers eco-friendly?
Many barriers are designed to be recyclable and minimise the overall lifetime impact on the environment

Can water-filled plastic barriers withstand high winds?
Many barriers on the market are independently tested and certified to withstand winds. Some barriers depending on weight can withstand winds in excess of 77mph, even with a 2 metre mesh panel included.

Are water-filled plastic barriers effective for safety?
Barriers are designed as a visual deterrent when marking a site boundary, restricting access, and increasing security, particularly when paired with top panels. When it comes to road safety, certain barriers are independently crash tested and approved to British Standards.

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