



Road Plates

User Guide

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Actavo 

Specification



Road plate dimensions and thickness

Road plates are available in standard dimensions and bespoke specifications in both plain and anti-skid finish. The standard road plates dimensions are:

- 4ft x 4ft
- 6ft x 4ft
- 8ft x 4ft

Typically, for road works and environments where road plates are installed in the proximity of the public and road works, installations are usually for either 6ft or 8ft anti-skid road plates.

All our road plates are available in any required specification.

The most common thickness for road plates in use within the UK are as follows:

- 1/2" - 8ft x 4ft road crossing plate
- 3/4" - 8ft x 4ft road crossing plate

Road plates are available in 1/2", and 3/4" thickness.

Actavo hire fleet stock are 3/4" thick and weigh 490kg each.

Skid resistance resurfacing system

All our anti-skid road plates are manufactured using the industry leading, high friction, skid resistant surfacing system.

Our anti-skid road plates and steel road plates are manufactured in accordance with all BBA standards.

Safe working load

The Safe working load of a Road Plate needs to take into account not only the size, thickness and grade of steel used in manufacture, but needs to consider the dimension of the span and position of the hole or aperture. The stability of how the road plate is supported and the maximum wheel load inclusive of the position the load is imposed on the plate.

It is the responsibility of the user to refer to an engineer that the Road Plate is suitable for the application taking into account all the above factors.

Handling and moving road plates

Road plates must be moved and handled with care with the mechanical assistance of a forklift or a crane. It is not recommended to manually handle road plates due to their size and weight.

Installation

Road plates must always be maneuvered into position with mechanical assistance. Once in the correct location and position the road plate can be lowered to the ground and secured.

Securing road plates to a road surface is done so by using the anchorage points located at each corner. Where applicable, tapered edge ramps/toe ramps must also be installed.

Where applicable, handrails and guardrails should also be installed. This will not be required in all situations. However, events and public areas may require additional safety measures.

All road plates are required by law to be securely fixed to the road surface to avoid any movement, accident or injury. It is also a requirement by law that all authorities/contractors must also incorporate regular in-service checks ensuring the road plates are in a working condition and free of any defects and damage.

In-service checks

Regularly check the trench walls to ensure that traffic has not affected the support of the road plate and that the unit has not moved longitudinally or laterally.

Uninstalling road plates

Appropriate lifting equipment must be implemented for loading, unloading and installation. Road plates must be removed from the area of installation using appropriate lifting equipment or crane. They must then be stowed correctly for transport, stacked one on top of the other, with battens placed between the plates to prevent aggregate and edge damage.

Storage of road plates

Road plates must be stored correctly when not in use. Failure to do so will result in defects and damage - rendering your road plate unfit for purpose. Road plates should be stowed in the following manner:

- Stacked when not in use on a suitable, firm level surface and should be stacked on top of each other, with battens in between each road plate
- They should be mechanically maneuvered using cranes or a forklift
- Regularly checked for damage or defects and kept in a dry area
- Other tools equipment and machinery should not be stored on top of, or leaning against road plates in storage
- We also recommend road plates are kept in a secure, lockable area, ideally undercover to help preserve longevity and condition when stored

Transporting road plates

Road plates should be stacked as described above before being secured to the transport vehicle. Road plates must be securely fastened to prevent any movement and damage during transit.

We strongly advise you give time to correctly load and secure your road plates as the steel edges of road plates can become easily bent, warped and damaged during transit.