



Ogden Transteel Guide to:

Road Plates

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This short guide on steel road plates provides you step by step guidance from specification and fabrication through handling and installation to storage and transportation.

1) Specification and Fabrication

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1) Specification and Fabrication

a) Road plate thickness

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;

- ½" – 8ft x 4ft road crossing plate
- ¾" – 8ft x 4ft road crossing plate

Road plates we manufacture are available in ½", and ¾" thickness.

b) Road plate dimensions

Anti skid road plates and Plain steel road plates are available in standard dimensions and bespoke specifications.

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.

If you have bespoke requirements, please call us on 0113 257 8221 or email us at info@ogdensteel.co.uk

c) Rocbinda skid resistance resurfacing system

All our anti skid road plates are manufactured using the industry leading, Rocbinda High Friction, Skid Resistant Surfacing System.

Ogden Transteel is an approved installer of the Rocbinda High Friction Surfacing System and manufacturer of anti skid road plates and steel road plates.

Anti skid road plates and steel road plates we fabricate are done so in accordance with all BBA and HAPAS standards.

d) Bespoke fabrication

We can provide anti-skid road plates and steel road plates in any required specification and dimensions.

For more details or to discuss your requirement contact us on – 0113 257 8221 or email us at – info@ogdensteel.co.uk

e) Aggregates and finishes

We offer a wide choice of over 20 colours, alongside a range of protective paint finishes which offer additional protection and longevity to the steel edges of road plates.

We also provide various branding and customisation options including; welding services where ID numbers and batch codes can be welded onto the road plates. Spray painted logo customisations are also available basic logos can be added on top of the aggregate anti-slip surface.

f) UK Safety Standards

All of Ogden Transteel's anti skid road plates and steel road plates we manufacture, supply, repair or recondition are tested and verified to meet with all BBA and HAPAS standards.

All road plates manufactured and supplied by us, not only meet, they exceed all required UK and EU safety standards.

2) Handling and Installation

a) Handling and moving road plates

Anti skid road plates and steel 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, doing so, is at the user's own risk.

b) Installation

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

c) In service checks

Regularly inspect the trench walls to ensure the trafficked units are not overloading them. Check that the units are not moving longitudinally or laterally.

3) Storage and Transportation

a) Uninstalling Road Plates

Steel or anti skid road plates should not be handled solely by one person.

Appropriate lifting equipment must be implemented for loading, unloading and installation. Anti skid road plates and steel 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 4" x 3" battens placed between the plates to prevent aggregate and edge defects and damage.

b) Storage of Steel and Anti Skid

Anti skid road plates and steel 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, whether that be steel or anti skid should be stowed in the following manner;

- Stacked neatly when not in use on a suitable, firm level surface and should be stacked on top of each other, with 4' x 3' battens in between each road plate.
- They should be mechanically maneuvered using crane 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.

c) Transporting Road Plates

Steel and anti skid road plates should be stacked as described above, before being securely chained 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.