Durbar®
Structural steel floor plate with slip resistance
DURBAR® REDUCES CONSTRUCTION COSTS

Durbar® hot-rolled structural steel floor plate is an economic and competitive solution for flooring and other applications.

Delivering benefits
Durbar is a strong, robust and stiff floor plate. Its spanning properties and slip resistance have been extensively tested. Its performance has been proven in a range of applications over four decades.

Produced from hot-rolled steel, Durbar is a structural component and can be used as an integral part of structural performance. Its distinctive pattern of raised studs provides a slip-resistant surface. Durbar offers benefits including reduced construction costs, reliable, repeatable processing, easy cleaning and a long life.

Saving you money
Durbar’s structural properties reduce cost by eliminating the need for separate structural and flooring components. This gives Durbar a distinct advantage over other materials including aluminium.

Because it is stronger than ordinary mild steel, you will need less Durbar material to perform a structural role.

Reliable performance
Durbar’s structural integrity means you can rely on it to perform - even when subjected to extreme heat. At temperatures where aluminium alloys have begun to melt, Durbar steel floor plate will still be supporting design loads.

At 500°C, aluminium alloys used for floor plate have lost all of their strength. By comparison, Durbar plate still retains more than two-thirds of its ambient temperature capacity. Hot-rolled structural steel regains all of its strength if cooled down to ambient temperatures from 500°C. This means Durbar will continue to perform at the required strength.

Good slip resistance
Durbar has been independently tested and assessed for slip potential. Laboratory testing of dry samples of Durbar showed an extremely low potential for slip. Wet sample testing showed low slip potential.

Durbar’s stud pattern creates a slip-resistant surface at all angles. This allows plates to be used in any direction – making life simpler during fabrication and construction.

The evenly distributed, raised stud pattern offers additional benefits. It creates a self-draining surface which is easy to clean. It also reduces corrosion – giving Durbar a long life.
PERFORMANCE THAT LASTS

We offer a choice of Durbar® products to meet your needs. Whatever the application, you can rely on our durable floor plate to keep on performing.

Versatile products
Durbar’s durability means it lasts a very long time. It can be re-used if it is dismantled. It can also be used to refurbish existing structures. At the end of its useful life, Durbar is 100 per cent recyclable.

Durbar can be used uncoated. It can be galvanised for enhanced corrosion resistance. It can also be treated with various paints and coatings for aesthetic reasons.

Durbar is suitable for a wide range of applications including bridges, cladding and protective barriers, commercial vehicles, containers, lifts, offshore installations, shipbuilding, stairs and walkways and steps and safety platforms.

Readily available and easy to process
We are committed to prompt and reliable delivery. We supply Durbar through an extensive network of processors and distributors.

The consistent quality of Durbar offers reliable, repeatable processing. It can be readily welded by normal processes and can also be cut and bent.

Quality and choice
We have been producing Durbar to the highest quality standards for more than 40 years. Durbar is certified to ISO TS 16949:2009 and meets the requirements of the Construction Products Directive.

To meet your performance requirements, Durbar is available in three different grades. These are S235JR+AR, S275JR+AR and S355JR+AR.

Supporting your project
To support our customers, we offer world-class technical and design services. To make sure you get the best results from Durbar we can help you to select the appropriate grade and calculate safe working loads and deflections.