

TECHNICAL:

Test standards and specification data

Introduction

Our metal modular ramp system has been developed from the ground up, to be fully compliant with the latest accessibility regulations, whilst being tested for strength, corrosion resistance and safety against recognised standards.

This gives us the ability to offer our market leading warranty period, providing our clients with the confidence they are receiving a tried and tested system, which has been installed nationwide for a wide array of clients.

This document provides an overview of these test standards and results - should you require any further details, please contact us.

Specifying and installation

Whilst the design and manufacture of our equipment is an important factor when it comes to safety and functionality, the survey, specification and installation of the equipment is equally important.

We have amassed a wealth of experience surveying and installing access solutions in all kinds of environments, and are highly skilled in ensuring the solution specified will be fit for purpose, compliant and future-proof.

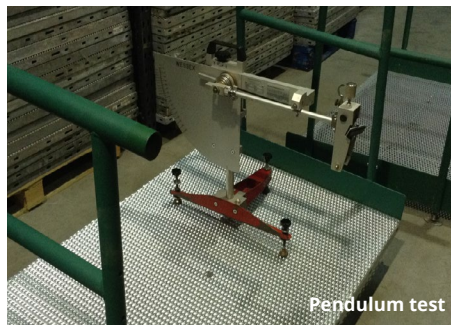
Our installation teams are fully qualified, highly trained and DBS cleared ensuring a safe, efficient and effective installation.

Slip resistance

Our multi-directional slip resistant surface has been tested and certified to **BS7976 Part 2** (Pendulum Test) and has been identified as having a low slip potential rating (>35 PTV) across a range of gradients, in both wet and dry conditions.

The properties/design of the surface provides natural drainage allowing users to maintain a secure footing in all weather conditions.

Due to the mesh profile, grip is provided in all directions and is designed to create a comfortable yet sturdy surface underfoot, that is suitable for most types of footwear.



Pendulum test

Load testing

Horizontal line load testing:

Our handrails have been tested against and satisfied the load deflection requirements of **BS6180:2011** 'Barriers in and about buildings - Code of practice.'

The tests showed our standard handrails have a deflection value of <25mm (maximum deflection permitted when a 0.74kNm load is applied).

The balustrade (Infill) panels satisfied the same criteria when a 1kNm load was applied.



Balustrade panel deflection



Handrail deflection

Static load testing:

We have tested our system against the requirements of **BS4592** and **BS6399** which consider deflection levels at specified loads whereby we satisfied the requirements of the 'light loading' conditions (3kNm).



Uniform distribution load test

We have also conducted in-house testing given the difficulty in determining specific load ratings owing to the possibility of varied configurations and the effects of load distribution.

Loading a typical ramp setup with 3420kg and maintaining this for 20 minutes, no adverse effects were witnessed.



The leg, foot and handrail upright assembly has also been tested in isolation, applying a downward force through the handrail, simulating the primary force exerted during use under foot. The leg allen bolt was stable up to 1900kg.

Corrosion resistance

Our system is predominantly manufactured from mild steel (EN 10111 Grade DD11) and is fully galvanised to EN ISO 1461 standards, offering superior corrosion resistance.

The handrails themselves have an electrostatic powder coating, with a highly durable, non reflective surface which satisfies the 'not cold to the touch' criteria.

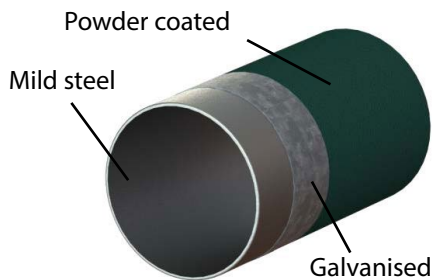
Our standard handrails are available in Green (RAL 6005) or Black (RAL 9005), with balustrade rails standard in Green only. Bespoke colours are available upon request, subject to a lead time and surcharge.

The corrosion resistance of our handrails has been determined using the most common accelerated

corrosion test which is the destructive "Salt Spray Test" (ASTM B117).

In this, a handrail was continuously sprayed with a light mist using a 5% salt solution dissolved in water in a closed cabinet at 35°C. After 120 hours, the handrail showed no signs of red rust or deterioration of any form.

We have also conducted cross hatch testing to EN ISO 2409, giving us the confidence to offer our 10 year warranty period against corrosion.

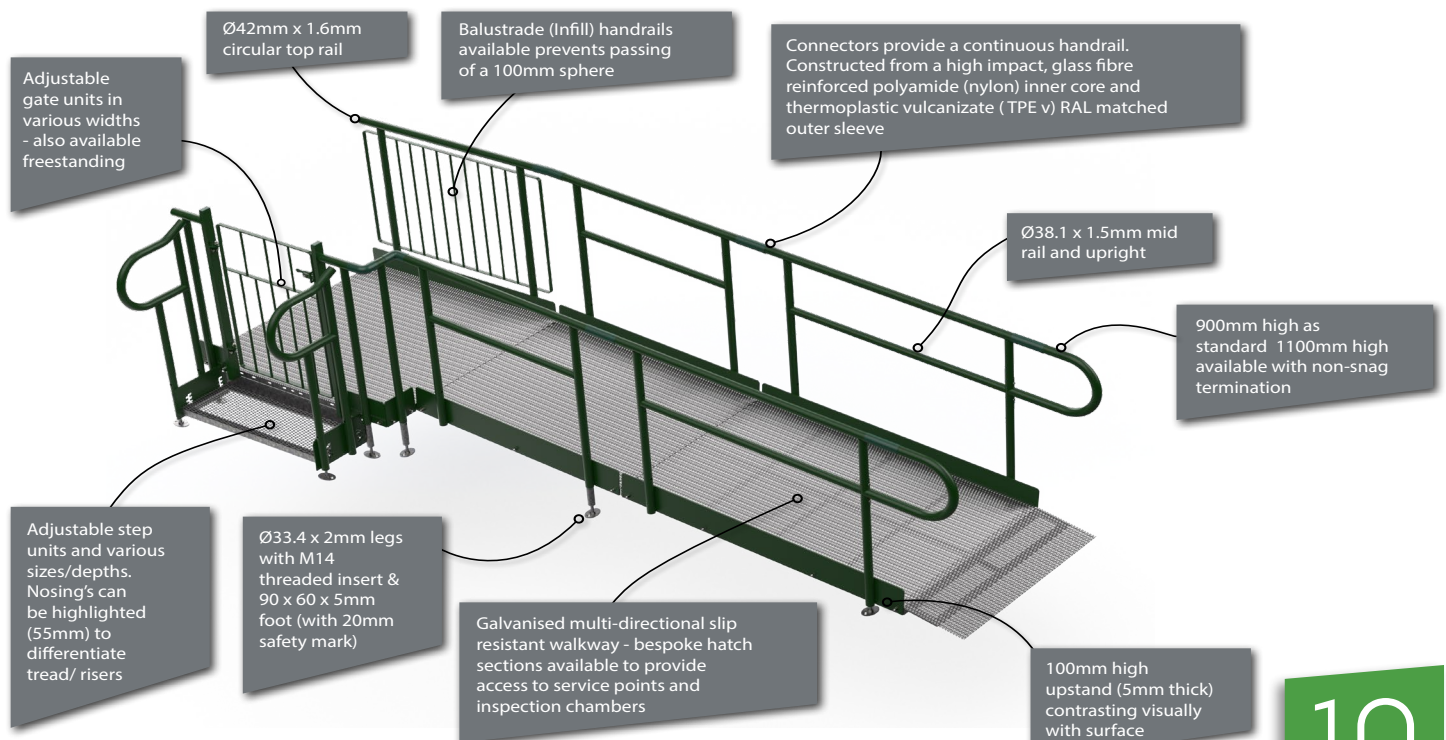


Product development

At Easiaccess, we are constantly seeking to improve the way we do things, the products we supply, and the services we offer. Adopting this approach, ensures we continue to provide the most effective solutions to independence across the UK.

This ethos applies to our product development, whereby we continuously seek to improve our ramp and handrail systems. We also welcome feedback - should you have any comments as to how we can improve, please get in touch with us!

Core specifications



We also offer...

... different surface options in GRP and Rubber Crumb which are well suited to environments such as hospitals, industrial buildings and schools.

Alongside our metal modular ramps, we also provide our unique and widely used and specified 'Easirail'

handrail system, which is both simple and cost effective to install.

Further information can be found on our website or speak to one of our Technical Advisors, who are trained in the latest accessibility guidance and product offerings, ensuring you receive the most appropriate advice.

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