



Richco Stair Treads

DESCRIPTION

Richco Stair Treads are a high performance safety stair tread made from high quality GRP (glass reinforced plastic).

CHARACTERISTICS

1. Slip Resistant Top Surface
2. Impact Resistant
3. Fire Retardant Option
4. Corrosion Resistant
5. Lightweight
6. Non Sparking
7. Non Metallic
8. Tough & Durable
9. Choice of Nosing Colour
10. Choice of Thickness
11. Choice of Sizes
12. Quick Installation
13. Manufactured to ISO 9001

TECHNICAL DATA

Description	Slip Resistant Stair Treads
Top Finish	Carbon and Silicon Grip Top Surface
Stock Colours	Black with Yellow / White Nosing
Thickness	Nominally 4mm Thick
Chemical Resistance	Difference Chemical Resistance Available, Please Call our Technical Department for Advice.
Panel Sizes	3000mm x 345mm (cut to size)
Panel Weight	11.3kg
Service	-20 to + 80 °
Load Capabilities	Credited with no load bearing strength
Design Life	10+ Years (subject to traffic analysis)
General Use	Standard Pedestrian Traffic

APPLICATIONS

Ideal for the installation of ramps, fire escapes, all staircases, decking top surface, mezzanine floors and spiral staircases.

SLIP RESISTANT LEVELS

Measured using the Pendulum test method (WF rubber slider).

Top Surface	Dry Reading	Wet Reading
Standard Grit Surface	105	67

The UK Slip Resistance Group guide to slip resistance of a floor for able bodied pedestrians.

Four S Pendulum Value	Potential for Slip
Above 65	Extremely Low
35 to 65	Low
25 to 65	Moderate
25 and Below	High

To ensure that the above slip resistant levels are maintained the panels should be kept clean in accord with the attached cleaning guides and tips.



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SAFETY

When installing Richco Stair Treads standard personal protective equipment should be worn as a minimum. These include 3M dust mask (or similar), safety goggles, heavy duty gloves and overalls. The Stair Treads should be cut in a well ventilated areas or close to extraction points. Dust residue can be disposed of using normal waste disposal methods. No special permissions or licenses are required at the time of going to print.

PREPARATION

Ensure that the areas that are to have Richco Stair Treads fitted are clean and dry and free from loose and friable material. Any “dished” or damaged surface areas should be patch repaired to provide a reasonably flat and consistent surface.

Dry fit all Stair Treads and ensure that they fit freely and that they sit flat down on the surface. If required Richco Stair Treads can be trimmed onsite to suit using an industrial jigsaw and appropriate cutting blades (Bosch “T101 A1F” or similar are ideal).

Drill the fixing locating holes in the Stair Treads. Whilst individual circumstances will vary, the following can be used as a guide:

Drill two holes on each side of the Stair Tread, one approximately 15mm in from the back edge and 15mm in from the side. The second one should again be approximately 15mm in from the side and in line with the black and yellow dividing line. Use the first drilled Stair Tread as a template for the other Treads so you can achieve some form of uniformity.

FITTING

Whilst mechanical fixings are all that is required to secure Richco Stair Treads, wherever possible, the application of an appropriate high strength gap filling adhesive will provide the following benefits:

A secondary fixing in the event that the mechanical fixings should fail.

A barrier against the “Drumming” noise that is created when fitting a cover over the existing substrate. Apply a 6mm bead of high strength gap-filling adhesive around the periphery of the Stair Tread and in horizontal stripes at approximately 200mm centres. Immediately press the Stair Tread firmly to the substrate to ensure adequate transfer of adhesive. A firm bond will be achieved in about one hour under normal circumstances and conditions. Secure with the mechanical fixings and allow the adhesive sealant to cure before allowing excessive traffic to use the areas.

RECOMMENDED MECHANICAL FIXINGS

Over Timber

No 8 x 30mm zinc plated or stainless steel screws.

Over Steel Plate

No 8 x 20mm Self-Tapping Pan Head Pozi Stainless Steel Screws.

No 8 x 20 Self-Drilling Pan Head Philips Zinc Plated Screws

Over Concrete

No 8 x 30mm Zinc Plated or Stainless Steel Impact Anchors (Hilti HPS-1 or Similar)

Over Open Mesh

Stainless steel or zinc plated saddle clips and domed head bolts suitable in length for the depth of the existing treads.

CLEANING GUIDE AND TIPS

Whilst Richco Stair Treads are extremely resilient to dirt and contaminations it will, as with most other things, become dirty.

Dry dirt and debris can easily be removed using a stiff brush and should be carried out on a regular basis.

If Richco Stair Treads have been subjected to spillages or the dirt has become embedded, detergents can be used. It is always advisable to test any cleaning product on Richco Stair Treads before starting the cleaning procedure. This can be done in an inconspicuous areas of the installation.

Using the detergent, warm water and a suitable brush, scrub the effected areas until clean. The excess water can be removed using a wet/dry vacuum cleaner or suitable absorbable materials.

Where circumstances allow, Richco Stair Treads can be power washed without causing harm. Care should be taken when the Stair Treads has been stuck down and / or edge sealed as very high pressure power washing or repeated power washing could cause damage to sealants and adhesives.

GENERAL ROUTINE MAINTENANCE

The security of the fixings / adhesives should be checked on a regular basis. Circumstances will vary, based upon the volume of foot traffic etc. but, as a guide, monthly inspections would be advisable.