

# Swiss Solutions Ladder Rung Grip

## Creating a safer environment

### Product description

#### Rung Grip Stair Rung Safety

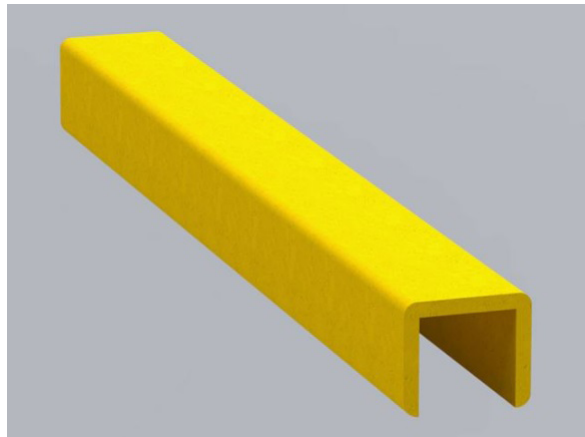
The Swiss Solutions Rung Grip is designed specifically to fit over traditional round steel ladder rungs, Rung Grip enhances ladder safety by enlarging the surface area for foot contact and friction co-efficiency with its integral grit surface. Constructed from durable chemical resistant fiberglass, Run Grip is capable of withstanding the busiest environments and will resist chemical attack from corrosive fluids transferred from the sole of the boot.

### Suitable applications

Marinas, Power Stations, Industrial stairs, Military.

### Product characteristics

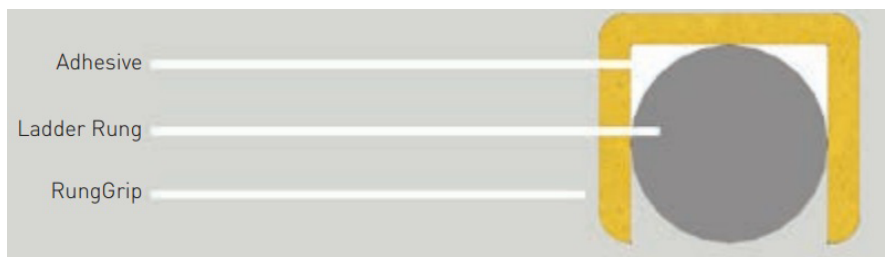
Slip resistant top surface. Impact resistant. Fire retardant option. Corrosion resistant. Lightweight. Non Sparking. Non Metallic. Tough and durable. Choice of sizes. Quick installation.



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### Technical data

Description:	Slip resistant ladder rung covers	Service temperature:	-20°C to 80°C
Top finish:	Grit top anti slip surface	Chemical resistance:	GRP made from ISO resin as standard.
Stock colours:	Yellow	Load capabilities:	Credited with no load bearing strength (requires adequate substrate)
Rung sizes:	25mm x 25mm 38mm x 38mm	Impact resistant:	Yes
Lengths:	Up to 1220mm	Corrosion resistant:	Yes
Weight:	25mm: 0.55kg full length 38mm: 0.70kg full length	Design life:	10+ years (subject to traffic analysis)
Tolerances (including cut):	+/- 3-4mm	Other info:	Hand lay up
Thickness:	4mm		

### Slip resistance test results

Ladder Rung Grip slip resistance levels measured using the Pendulum Test method (WF rubber slider).

Slip resistance of a floor for able bodied pedestrians. The higher the value the safer the floor.

Top surface	Dry reading	Wet reading	Four S Pendulum value	Potential for slip
Standard grit surface	59	55	Above the 65 35 to 65 25 to 35 25 and lower	Extremely low Low Moderate High

To ensure that the above slip resistant levels are maintained the panels should be kept clean in accordance with the information below.

### Cleaning and maintenance

Use of a stiff brush will usually be sufficient when cleaning the Ladder Rung Grip to remove every day dirt. For more stubborn items, it is recommended that a mild detergent such as a mild degreaser is used and then rinsed with warm water. It is important to remove any excess water from the Ladder Rung Grip prior to being put back into use with suitable absorbent materials or a wet/dry vacuum cleaner. Where circumstances allow, Ladder Rung Grip can be power washed on a low setting. When Ladder Rung Grip has been sealed with a sealant; repeated use of a pressure washer could undermine the integrity of the sealant. The security of the fixings should be checked on regular basis. Circumstances will vary, based upon the volume of foot traffic etc.. monthly inspections would be advisable.

### Handling & storage

Safe handling practices should always be employed and the appropriate Personal Protection Equipment is to be worn. Store the Ladder Rung Grip flat and upside down.

### Personal protection equipment

It is recommended that the following Personal Protection Equipment is worn for installation of the Ladder Rung Grip and further protective measures may be necessary but this will depend on the installation environment:

Bonding: Use eye goggles, protective gloves, safety boots

Cutting & mechanical fixing: Use ear defenders, eye goggles, dust mask (Fine dust), protective gloves, safety boots.



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### Cutting

Ladder Rung Grip can be cut to size using an angle grinder with diamond blade. Cutting should be carried out externally or where there is dust extraction or suitable ventilation and appropriate protective equipment as described should be worn. A jigsaw can be used for trimming or for occasions where only a small amount of cutting is required. Use a laminating jigsaw cutting blade.

### Preparation

Ensure that the area is clean, dry and free of 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 Rung Grip Covers to ensure they fit freely and that they sit flat down on the surface. If required, Ladder Rung Grip can be trimmed on site to suit, ideally using a small grinder with diamond blade or a skill saw with special blade. Please ensure that goggles, dust mask and gloves are worn at all times when any form of cutting is involved.

### Application

Using a suitable abradant, rub down the substrate to give an adequate "key".

Turn the Ladder Rung Grip profile upside down and apply approx. 6mm bead (this may need to be increased dependant on the size of the rung) of the structural adhesive around the inside of the Rung Grip profiles. Then simply push the Rung Grip profile over the rung and twist to ensure the adhesive coats the rung. Level the Ladder Rung Grip profile so that the top surface is completely horizontal. A spirit level can be used if required.

**Important:**

Allow a minimum of 24 hours for the adhesive to cure. Test that the Ladder Rung Grip profile is completely bonded before putting the ladder back into service.

