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ACME PANELS® GRP
Provisional Technical Data & Installation Instructions

Description

ACME PANELS® GRP is an anti-slip safety flooring incorporating a graded wearing surface into a thermosetting reinforced composite.

Features:

- Easy to install
- Anti-slip
- Corrosion resistant
- Impact resistant
- Manufactured under BS EN ISO 9001 Quality controlled conditions
- Chemical and stain resistant
- Light weight
- Non-conductive
- Tough and durable

Suitable surfaces for applications include:

- Work platforms
- Open mesh catwalks
- Ramps
- Checkerplate
- Problem concrete surfaces
- Stairways
- Workstations
- Walkways
- Footbridges
- Loading bays

Technical Data (Typical)

Description:	Antislip safety flooring panels & treads		
Grades:	Pedestrian, heavy pedestrian & cleanable		
Standard colours:	Black ,Grey and Yellow		
Edge detailing:	2”(50mm) & 3”(76mm) Sight lines in white or yellow optional extra		
Appearance:	Matt		
Overall Thickness:	5.0-6.5mm depending upon grade of finish		
Applications:	Internal or external		
Sizes:	Panels:	Made to measure	
	Treads:	9”(228mm) & 11”(280mm) going	
		Can be designed/manufactured to customers' length specifications	
TRL Slip resistance values: Pendulum method (WF rubber slider)	Grade:	Pedestrian:	Heavy Pedestrian: Cleanable:
	Dry:	104	102 83

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	Wet:	84	87	64
	Oily:	46	50	41
Chemical resistance:	Mineral acids, dilute alkalis, detergents, alcohol, petrol, paraffin, white spirit, vegetable oils, diesel, lubricating oils and greases. Our technical department can give specific advice.			
Grades:	Pedestrian:	7.2 Kgs per SqM		
	Heavy Pedestrian:	7.8 Kgs per SqM		
	Cleanable:	5.8 Kgs per SqM		
Service temperature:	-20 to +80°C			
Weathering resistance ASTM G-53:	Excellent			
Impact resistance:	Panels do not chip or crack under impact from a 0.9Kg steel ball dropped from a height of 2.4m			
Aggregate dressing:	Mohs Hardness	9		
BS 812	Abrasion value	1.9		
	Polished stone value	70		

ACME PANELS® GRP panels and treads are specifically designed to be used for the renovation of existing surfaces (overlay) and **should not** be specified for unsupported areas (load bearing).

Fixings Guide

Timber - Wood screw
 Concrete - Wood screw & plug
 Steel work - Self-drilling screws (durbar)
 Machine screw, nut & washer
 Open mesh - 'W' clamp & machine screw/nut

Instructions for Installation

It takes no special training to install the range of **ACME PANELS® GRP** panels and treads.

Past experiences has shown that the following equipment may be required for the installation of **ACME PANELS® GRP**

You may wish to use the following checklist: -

- Hammer action drill and masonry drill bits.
- Hammer
- Cross head Screwdriver
- Tape measure
- Marking pen
- Construction adhesive
- Spirit level (for use as a straight edge)
- Jigsaw and blades

Installation Method

Cutting

The panels and treads can be cut to size and shaped using a jigsaw. It is recommended that you use a marking pen to draw the line of cut on the panel, as an aid to cutting.

Treads

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Consideration should be given to the length of the screw fixing and to any possible damage that may be caused to the vertical face of the step by the drilling activities.

Concrete stairs

1. Before fixing the **ACME PANELS® GRP** treads it is important to ensure that the steps are clean, dry and capable of holding a mechanical fixing.
2. The surface should be checked to ensure it is not worn or uneven, this can be done by placing a straight edge (e.g. spirit level) along the front edge of the step. If the step is found to be worn or uneven then the step should be levelled using Rocol Epoxy Repair Compound before continuing.
3. The standard positioning of drill holes is 75mm from each face and the balance of the holes spread evenly apart at a maximum spacing of 225 mm. Site Safety Systems can offer a customised drilling service.
4. The tread should be placed in position onto the step ensuring that the tread nosing is pushed tight against the leading edge of the step. **Under no circumstances should the tread be allowed to overhang the leading edge of the step.** The panel so positioned is used as a template to drill the hole locations. Remove the tread and Insert the plugs (brown) into the drilled holes.
5. Apply a 5-6mm wide bead of construction adhesive to the underside of the tread 50mm inside the perimeter and also in a zig zag pattern across the main body.

The coverage is to be at a rate of one 350ml tube of construction adhesive per 4 linear metres of tread. Immediately screw

the tread firmly into place with No.14 (6mm) size screws.

The construction adhesive is recommended to provide sound-deadening properties.

Timber Stairs

Installation is the same as for concrete but wood provides sufficient anchorage for the screws, so plugs are not necessary.

Panels

1. Before fixing the **ACME PANELS® GRP** panel it is important to ensure that the surface is clean, dry and capable of holding a mechanical fixing.
2. The surface should be checked to ensure it is not worn or uneven, this can be done by placing a straight edge (e.g. spirit level) on the surface. If the surface is found to be worn or uneven then it should be levelled using Rocol Epoxy Repair Compound before continuing.
3. Panels are placed in position.
4. If the substrate is concrete, then mark the fixing holes with the masonry bit, taking care that the panels do not move during this process. Lift the panels and insert the plugs.
5. Apply a 5-6mm wide bead of construction adhesive to the underside of the tread 50mm inside the perimeter and also in a zig zag pattern across the main body. The coverage is to be at a rate of one 350ml tube of construction adhesive per 1.5 square meters of panel.
The construction adhesive is recommended to provide sound-deadening properties.
6. Immediately screw the panel firmly into place with No.14 (6mm) size screws.

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Should you require more specific installation details please contact our technical helpline.

For specific advice regarding this product please contact:

ROCOL Site Safety Systems, ROCOL House, Swillington, LEEDS LS26 8BS
Tel: **0113 232 2600** www.rocol.com
Technical Helpline: 0113 232 2840

Maintenance

ACME PANELS® GRP panels and treads should be regularly cleaned to prevent the accumulation of oil, grease, dirt and other contaminants on the walking surface which may reduce its antislip properties. To clean use either of the following methods.

1. Warm water with a mild detergent and a strong bristled brush.
2. Pressure jet cleaning (No more than 1000 psi (68 bar) and up to 80°C is recommended to avoid damage to the wearing course).

After cleaning, the surface should be thoroughly rinsed with clean water and left to dry before allowing back into service.

Whilst **ACME PANELS® GRP** has a high resistance to solvents, oils and chemicals, it is not recommended that these substances be used as cleaning agents. Accidental spillages of such substances should be immediately removed using either of the cleaning methods above. Do not use mops because the antislip surface will remove their fibres.

Health & Safety

Due to the abrasive nature of the panels and treads, gloves should be worn when handling.

If cutting or drilling the panels then gloves, goggles and dust mask should be worn.

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