

Design Criteria

Shorguard SG4 Guardrail System designed for permanent or temporary flat roof applications where no physical connection is possible.

During the development stages of the SG4, consideration was given to various of aspects of the design to satisfy requests from clients and users on the following points:

- 1 Elimination of heavy and cumbersome counter weights.
- 2 Minimises trip hazards.
- 3 Minimum amount of components to carry to roof areas.
- 4 One system that can be used for both permanent and temporary installation.
- 5 Simple to install, safe and maintenance free.
- 6 Galvanised finish.
- 7 Complies with relevant regulations.
- 8 Facility to engage toeboards if required.

Test Methods

The location of the tests is important due to the properties of various surfaces having a profound effect on test results, therefore Shorguard SG4 was tested on high and low friction surfaces of tamped concrete and tarmacadam as well as roofing felt. All tests were passed satisfactorily.



The Shorguard range has been tested by Lloyd's Register. All the systems comply with The Construction (Health, Safety and Welfare) Regulation 1996, Schedule 1. Complies with the requirements of section 6 of the Health & Safety at Work Act 1974.

RoSPA



The Shorguard Guardrail system for temporary and permanent use was awarded the Sun Alliance International trophy for *"Outstanding achievement in Occupational Risk Improvement"*

SAFETY AWARDS



Shorguard Guardrail Equipment

In compliance with the following Standards, References and Testing data.

Health & Safety at Work Act 1974 Part 1 Section 6

Health & Safety Executives Specialist Inspectors Report 15

Construction Health , Safety & Welfare Regulations 1996

BS6399-1 Loading for Buildings 1996

BS6399-2 Code of Practice for Wind Loadings 1995

Building Regulations Section K3

BS6180 Protective Barriers 1999

Safety of Machinery, Permanent Means of Access to Machinery,
Stairways, Stepladders & Guardrails

Health & Safety in Roof Works

BS EN 13374 Temporary Edge Protection. Testing to Class 'A'

The Working at Height Regulations 2005