

## Fibreglass Grating

### Pultruded Fibreglass Grating - Data Sheet

#### Product Description

Sui Generis pultruded fibreglass grating is manufactured as an alternative to conventional wood or steel grating.

#### Characteristics

Fibreglass grating is manufactured using 'I' type or 'T' type pultruded bearing bars and cross members. The construction allows for excellent mechanical properties in the span direction. The surface can be either smooth or gritted and various resin finishes can be supplied to allow for many and varied uses, such as offshore where fire resistance and low smoke are critical or in environments where highly corrosive chemicals are present.

#### Advantages

Corrosion and Chemical Resistant  
Fire Resistant  
Virtually Maintenance Free  
Superior Life expectancy compared to conventional grating  
High Strength to Weight ratio  
Suitable for areas where large spans are required

#### Tests

All resin types are fire retardent with an ASTM E84 Class 1, 25 or less flame spread rating. Gritted grating has surpassed the minimum requirements of the 'low potential for slip' rating specified by the UK Slip Resistance Group Guide 2000. Please see table below.

#### Slip Risk Classification based on Pendulum Test Values.

Pendulum Value	Slip Risk
0-24	High
25-35	Moderate
36-64	Low
65+	Extremely Low

Results	Dry Reading	Wet Reading
	79	74

#### Colour

Green and Light Grey are industry standards, however any RAL colour can be manufactured.

#### Technical Data

Fibreglass grating is manufactured with high quality fibreglass impregnated with Orthophthalic, Isophthalic, Vinylester or Phenolic resin. An inseparable bond is created between the silicon oxide and the glass reinforced plastic ensuring long term integrity of the slip resistant surface.

#### Maintenance/Cleaning

Remove spills immediately from surface, washing with water. Pressure wash on low setting periodically to remove dirt from between grit. Check annually for damage to paint, grit and GRP substrate and repair as required.

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