

Fibreglass Grating

Fibreglass Linings Industrial Coatings Surface Preparation Spill Containment Fibreglass Mouldings Anti-slip Stair Covers Anti-slip Floor Sheets Fibreglass Grating ui Generis has become a recognized leader in the field of Fibre Reinforced Plastics (FRP). For many years the company has operated as a specialist providing solutions to industry using the latest resin systems available for the twenty first century.

This brochure introduces FRP products that we manufacture ourselves. We believe the only way to ensure the quality and reliability of grating and safety flooring is to select the appropriate raw materials and monitor the production process from start to finish. We have spent time testing our products, both in-house and by external consultants so that we can have complete confidence in the products we sell.

Our company is accredited with the ISO 9001:2000 standard.

The grating is tested by the American Bureau of Shipping for flame spread determination. Slip resistance has been tested by the Health and Safety Laboratory (UK) with excellent results.

An increasing number of companies see the value of using modern materials like FRP for it's resilience, minimal maintenance, versatility and definite cost advantages. Consequently the demand for the more traditional materials like timber and steel is being reduced.

PRICE PROMISE – As a manufacturer we sell direct to the end user so that we can offer the best prices to our customers.

Please enjoy familiarizing yourself with our products in this brochure and we trust you will find the information and technical details you need.

For further information call us on +44 (0) 1206 798 798 or visit our website www.suigeneris.co.uk

...FOR 21ST CENTURY INDUSTRY





Contents

Advantages of FRP Grating	6
Moulded FRP Grating	8
Pultruded FRP Grating	12
Raw Materials	14
Colours	15
Varied Applications	16
Cutting and Installation of Grating	18
Sui Generis SafeTread™– Advantages	21
Sui Generis SafeTread™– Products	22
Moulded Grating – Deflection Tables	24
Pultruded Grating – Deflection Tables	27
Pendulum Test Results	29
Corrosian Resistance	20









Advantages of FRP* Grating *FIBREGLASS REINFORCED PLASTIC

1. Corrosion and Chemical Resistant

Corrosion is a major problem within industries such as chemical, steel, food and beverage, water and wastewater, power— the list goes on. Sui Generis Grating is particularly designed to provide safe, long-lasting, economical and worry-free solutions in environments where chemicals and other corrosives attack metal, wood and similar materials. Depending on the environment, resins such as orthophthalic polyester, isophthalic polyester, vinylester or phenolic may be used in the construction of our Gratings and Sui Generis SafeTread products.

2. High strength-to-weight ratio

Sui Generis Grating is manufactured as a composite of continuous fibreglass strands and high quality resin. It is integrally constructed for strength, and is less than one-half the weight of steel grating allowing easy removal for access and installation with no heavy equipment and reduced manual handling risks. Properly installed, Sui Generis Grating meets specified load requirements for steel and is more impact resistant than metal.

3. Impact resistance

The impact resistance of Sui Generis FRP Grating allows repeated deflection without permanent deformation. A certain amount of deflection can occur with loading. Unlike metal grating fibreglass has a good memory, so once the object is removed the Fibreglass Grating will fully recover to it's original position.

4. Fire resistance

Sui Generis FRP Grating has been tested in accordance with the ASTM E-84 tunnel test. Depending on the resin type it achieves a Class 1 flame spread rating of between 5-25 or less. Test reports are available on request. Special fire retardant requirements can also be met with extra additives.

5 Frannomia

Employees experience fatigue after standing on solid concrete or heavy non-adjustable galvanized steel platforms all day. Sui Generis Grating is an excellent solution to ease the strain on the back, feet and legs of workers. Its natural slight resiliency makes it comfortable to stand on for long periods of time thus reducing worker fatigue. This can be improved upon by inclusion of our plastic inserts to create further allowable deflection.

6. Slip-resistant

Slips and falls are a major hazard in many industries causing injuries and lost work days. Sui Generis FRP Grating is available with a concave or gritted surface, both offer outstanding slip resistance in wet and oily environments and have consistently reduced slips and falls in industrial facilities. Both also surpass the minimum requirements of the 'low potential for slip' rating specified by the UK Slip Resistance Group Guide 2000. See pendulum test results on page 29.















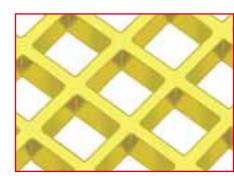
Sui Generis Moulded FRP Grating

Structure

Sui Generis moulded FRP Grating is formed using continuous interwoven glass fibres as reinforcement material and resin as the matrix with continuous solidification through a mould system. The uniform construction provides excellent bi-directional mechanical properties.

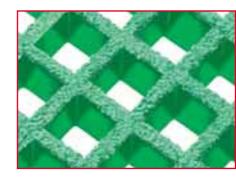
Smooth FRP Grating

Smooth Grating has the same characteristics as other FRP Grating except no anti-slip surface. These are widely used for decoration, fall protection, fences, machine guards etc.



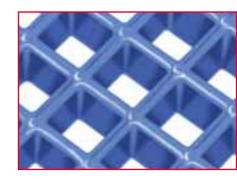
Gritted FRP Grating

Gritted Grating has quartz crystal bonded to the top surface ensuring an extremely durable and slip resistant surface. This type of grating has one of the highest degrees of slip resistance measured for a walking surface.



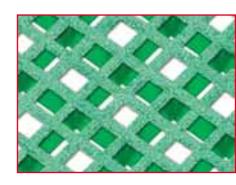
Concave FRP Grating

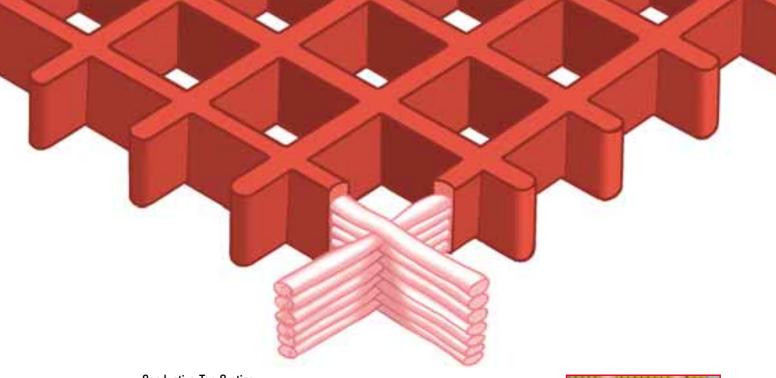
Concave Grating is more suited to low foot traffic areas and is particularly suitable for hygiene applications where a high standard of slip resistance is needed and ease of cleaning is a consideration.



Mini Mesh FRP Grating

Mini-Mesh Grating has a 12mm x 12mm open mesh area. The smaller opening prevents objects as small as 13mm from falling through and complies with the European 15mm ball falling test requirement. The smaller holes also offer smooth movement for small wheeled trolleys, wheelchairs etc.





Conductive Top Grating

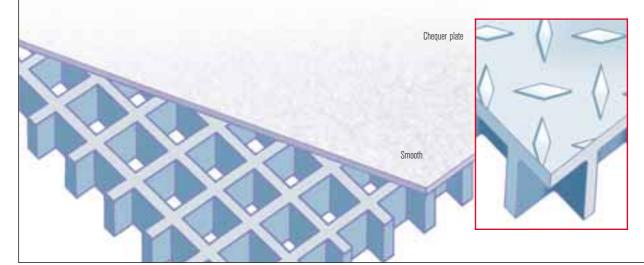
Sui Generis Conductive Moulded Grating is specially formulated with a carbon black surface, eliminating hazardous static electricity when properly grounded. Available in all resin finishes, Sui Generis Conductive Gratings are primarily used in the high-tech electronic industries, munitions and arsenal manufacturing plants and other spark sensitive environments where sophisticated equipment may be damaged due to static electricity. The specialized grating has an electrical resistance of less than 26 kilo-ohms per 300mm while retaining other desirable characteristics of conventional FRP Moulded Grating.





Covered FRP Grating

All types and sizes of grating are available with covered tops. The covered top is typically 3mm thick and is bonded to the grating panel after manufacture. This creates a strong but lightweight covered panel. All panels are available with gritted, chequer plate or smooth finish. Ideally suited to service trenches, access pits, gully covers, walkways and cable troughs etc.



Panel Sizes

Item No.	Height (mm)	Mesh Size (mm)	Standard Panel Size (mm)	Open Area	Weight (kg/m²)
1	15	38 x 38	1220 x 3660	72%	6.0
2	15	20 x 20 40 x 40	1247 x 4047, 1007 x 4047	42%	9.0
3	25	38 x 38	997 x 3050, 1225 x 3665	69%	12.3
4	25	40 x 40	1007 x 3007, 1007 x 4007, 1007 x 4047, 1247 x 4047	67%	12.2
5	25	25 x 100	1009 x 3007, 1209 x 3657, (Bearing bars to run width direction)	67%	13.8
6	30	38 x 38	1220 x 3660, 997 x 3050	69%	14.6
7	30	40 × 40	1007 x 3007, 1007 x 4007, 1007 x 4047, 1247 x 4047	67%	14.2
8	30	20 x 20 40 x 40	1007 x 4007, 1247 x 4047	42%	18.1
9	38	38 x 38	997 x 3050, 1220 x 3660, 1525 x 4000	68%	19.0
10	38	25 x 152	1226 x 3665, (Bearing bars to run length direction)	56%	22.4
11	38	20 x 20 40 x 40	1007 × 4007, 1247 × 4047	42%	22.5
12	40	40 x 40	1007 x 3007, 1007 x 4007, 1007 x 4047, 1247 x 4047	67%	20.0
13	40	20 x 20 40 x 40	1247 x 4047	42%	23.7
14	50	50.7 × 50.7	1225 x 3665	69%	21.5
15	60	38 x 38	1220 x 3660	47%	50.4
16	P38	38 x 38	1230 x 3670	68%	17.5
17	P30	38 x 38	1220 x 3660	69%	14.0

Please Note:

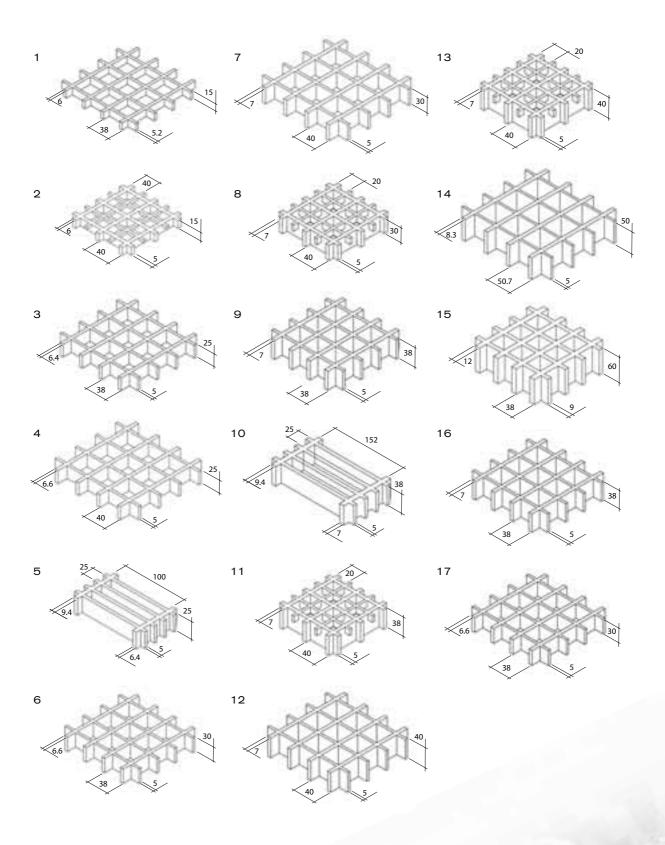
Detailed above are the specifications for Sui Generis standard moulded panels. Special sizes can be manufactured on request.

Most popular sized panels

25/38/50mm Deep 3660/3007/2007mm Length

1220/1007mm Wide

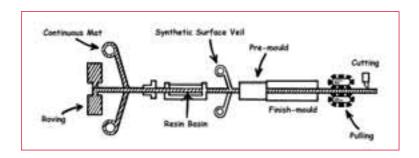
Mesh structures



Pultruded FRP Grating

Manufacturing Procedure

Sui Generis Pultruded FRP Grating is made of I type or T type pultruded bearing bars and cross members. It has the same chemical properties as Moulded Grating but with higher mechanical properties in the span direction. It is widely used for platforms, especially where large spans are required.





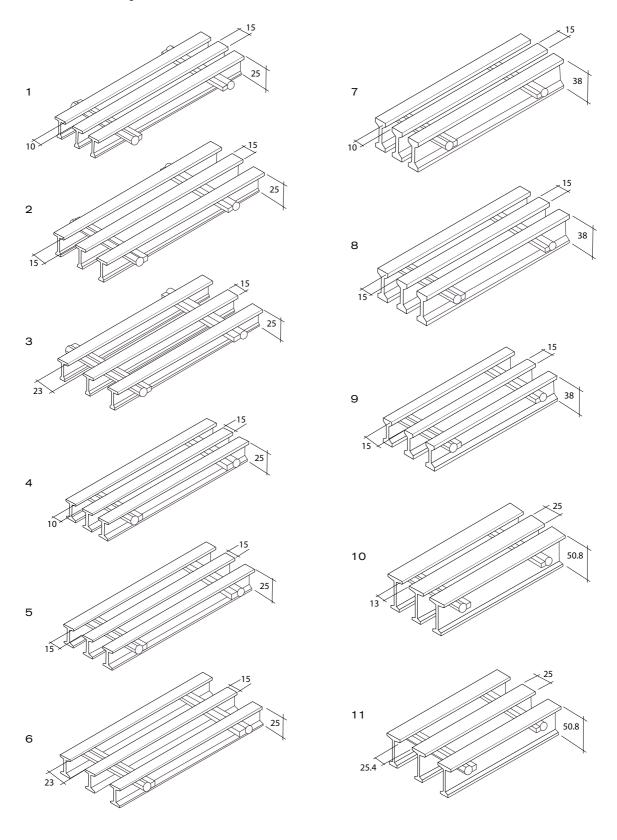
Panel Sizes for Pultuded Grating

Item	_		Star	Open Area	Weight	
No.	Туре	Height	Width	Length	Open Area	(kg/m²)
1	T/4025	25	915 / 1220	2440 / 3050 / 3660 / 6100	40%	12.0
2	T/5025	25	915 / 1220	2440 / 3050 / 3660 / 6100	50%	10.5
3	T/6025	25	915 / 1220	2440 / 3050 / 3660 / 6100	60%	8.5
4	I/4025	25	915 / 1220	2440 / 3050 / 3660 / 6100	40%	16
5	I/5025	25	915 / 1220	2440 / 3050 / 3660 / 6100	50%	14
6	I/6025	25	915 / 1220	2440 / 3050 / 3660 / 6100	60%	10.6
7	I/4038	38	915 / 1220	2440 / 3050 / 3660 / 6100	40%	23.6
8	1/5038	38	915 / 1220	2440 / 3050 / 3660 / 6100	50%	20
9	I/6038	38	915 / 1220	2440 / 3050 / 3660 / 6100	60%	16.6
10	T/3350	50	915 / 1220	2440 / 3050 / 3660 / 6100	33%	21
11	T/5050	50	915 / 1220	2440 / 3050 / 3660 / 6100	50%	16.5

The above represents the standard pultruded panels range but special sizes can be made to order.

Cross bar spacing for Sui Generis standard Pultruded panels is 152mm. Four surface finishes are available: gritted top, non gritted, covered top, covered gritted top. All resin types available.

Pultuded Grating Panel Sizes



Raw Materials

All of the raw materials are carefully selected from qualified suppliers to ensure the excellent quality of Sui Generis Grating.

Resin System

Resin Type	Grating Type	Description	Application
Vinyl Ester	Type V	Superior corrosion resistance and fire retardant, flame spread rating ASTM E84 Class 1, 25 or less, operating temperature -50°C/+110°C.	Environments with serious corrosion issues.
High flame resistant Vinyl Ester	Type HV	Corrosion resistance and enhanced fire retardant, flame spread rating ASTM E84 Class 1, 10 or less, operating temperature -50°C/+110°C. Grating has passed assessment by ABS (American Bureau of Shipping).	Environments with serious corrosion requiring better flame resistance.
Isophthalic Polyester	Туре І	Industrial grade corrosion resistance and fire retardant, flame spread rating ASTM E84 Class 1, 25 or less, operating temperature -50°C/+105°C.	For use in the environments of middle concentration inorganic acid, inorganic alkali, etc
Food grade Polyester resin	Туре F	Food grade corrosion resistance and fire retardant, operating temperature -50°C/+105°C.	Often used in food plants or water treatment plants.
Orthophthalic Polyester resin	Type O	Moderate corrosion resistance and fire retardant, flame spread rating ASTM E84 Class 1, 25 or less, operation temperature -50°C/+100°C.	For use in water/wastewater or air-ageing applications, light industrial applications and in the wavezone areas of offshore platforms where the environment is moderate. Although Type O is the least chemical resistant resin it still offers superior performance to traditional flooring products such as steel, aluminum and wood and is the most economical resin available.
Phenolic resin	Туре Р	Low smoke and superior fire resistance, flame spread rating ASTM E84 Class 1, 5 or less, smoke developed index zero, operating temperature up to 180°C.	For use in areas where fire resistance, low smoke, and low toxic fumes are critical e.g. offshore applications.
Eibrad			1991

Fibreglass

Glass Type	Specification	Properties	Application
E-glass	2400TEX or 4800TEX	Excellent wet out ability ensures a strong bond between the resin and glass creating exceptional mechanical and anti corrosion properties.	For environments requiring high strength and corrosion resistance.
C-glass	2400TEX	Excellent wet out ability ensures a strong bond between the resin and glass creating exceptional mechanical and acid resistant properties.	For environments without alkali corrosion

Sui Generis Gratings can be made in any colour of your choice. The moulded-in colour is made by even fixing of pigment and resin and will not fade or require painting. The fresh colours used not only enhance the working environment with their visual effect but can also improve working efficiency.



Colour samples of Sui Generis FRP Gratings.

Varied Applications Operation Platform Bridge Walkway



Deck



Typical Industries

Chemical & Petroleum Printing & Dyeing Marine Power Pharmaceutical Metallurgical Transportation

Shipyard Decoration

Refining

Electronics

Offshore

Food and beverage

Pulp & Paper

Water and Waste

Water Treatment

Leisure

Detailed Usages

(Offshore) Platforms

Stair Treads

Floorings

Screens

Wash Racks

Battery Racks

Bridges

Walkway

Trench Covers

Pit Covers

Tower Packing Supports

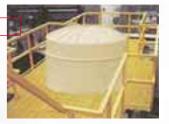
Machinery Guards

Fence

Ramps

Cable Trough Covers

Storage Tank Platform



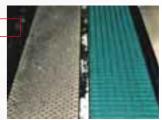
Slip Resistant Flooring



Pit Cover



Gully Covers



Fence







Bunded Area

Cutting and Installation of Grating

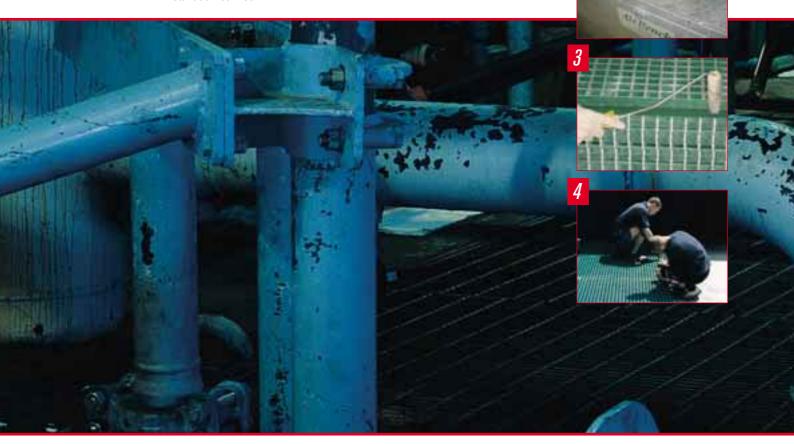
Mechanical Cutting and Processing

Sui Generis Gratings can be cut or moulded to our client's specifications. The cut edges are sanded and sealed with resin to ensure corrosion resistance.

As part of our service and commitment to our clients Sui Generis will be happy to provide a competitive quotation for installation of your Grating if required.

- 1. Cutting
- 2. Sanding
- 3. Sealing
- 4. Installation service





Adjustable Feet and Plastic Inserts

A range of plastic/stainless steel adjustable feet are available from 7mm – 100mm. Special plastic inserts are also available to raise the grating panels from the floor by 7mm to allow the free flow of spillages or rainwater under the grating. The same inserts can also offer an advantage when using the grating panels for slip resistant workstations. The allowable deflection provided by the inserts will reduce the normal leg fatigue experience when standing on a hard inflexible surface for long periods.





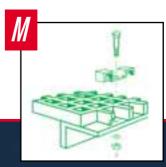
Standard Clips

Sui Generis has three kinds of standard clips made of 316 stainless steel used for fastening and joining grating panels.

Type M - Hold down clips; designed to locate grating on a support structure & prevent it from turning in all 4 directions.

Type L - Clips – For use in securing grating to support frames.

Type ${\mathbb C}$ - Clips - Applied to connect two adjacent grating bars



- 1. Tolerance per full panel:
- +/- 3mm in length and width direction
- +/- 1.5mm in thickness direction

Warp tolerance:

Length: 4.5mm per metre

Width: 2.5mm

2. Tolerance for cutting:

Length: +/- 5mm

Width: +/- 5mm

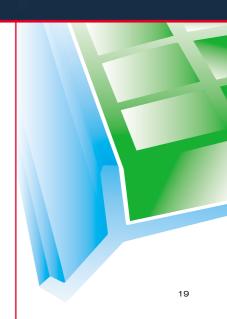
Circle: +/- 2mm





Embedment Angle

Embedment angles are highly corrosion resistant. The rebate section is designed to accept our 25mm and 38mm grating. The embedment angle is set into the concrete floor to accept our Fibreglass Grating.





Sui Generis SafeTread™

Sui Generis SafeTread products are designed to be a quick and cost effective solution to improving safety in potential slip hazard areas.

Slip Resistant

Slips and falls are a major hazard in many industries causing injuries and lost work days. All of the Sui Generis SafeTread products have outstanding slip resistance even in wet and oily conditions and have consistently reduced slips and falls in industrial facilities. A choice of grip grades is available, heavy duty and light duty, both surpass the minimum requirements of the 'low potential for slip' rating specified by the UK Slip Resistance Group Guide 2000. See Pendulum test results on page 29.

Durability

All of the Sui Generis SafeTread FRP products incorporate a silicon oxide gritted surface. It has good thermal shock resistance, corrosion resistance and stiffness making it the perfect product when wear and corrosion resistance are primary performance requirements. During the manufacturing process an inseparable bond is created between the silicon oxide and the FRP thus ensuring the long term integrity of the slip resistant surface.

Corrosion Resistance

Sui Generis SafeTread FRP products are manufactured with high quality fibreglass impregnated with Isophthalic polyester or Vinyl Ester resins ensuring they are suitable for use in the harshest of chemical environments. The two types of finish are I Type and V Type. Chemical resistance guides are available on request.

Installation

Sui Generis SafeTread FRP products are so versatile, they can be applied to nearly any existing substrate and are quick and easy to install. Securing is achieved with adhesives and/or a selection of mechanical fixings and is well within the capabilities of most maintenance departments. It is a finished product so the areas in question can be used immediately. All Sui Generis SafeTread products can be cut and manufactured to individual specifications or if required an installation service is available.

DDA and Building Regulations

Sui Generis SafeTread[™] products comprehensively fulfil all the requirements specified in the UK building regulations effective May 2004 and the final stage of the Disability Discrimination Act which came into force in October 2004.











Safe and cost effective solutions

Stair and Landing Tread Cover

Designed to cover the entire step and landing area Sui Generis SafeTread – Stair/Landing Treads are available in black with yellow nosing as standard or any other RAL colour on request. Stone colour without contrasting nosing is available for areas where aesthetics are as important as slip resistance. If none of the standard sizes are suitable then Stair Treads can be manufactured to individual requirements as a special order.







Sui Generis SafeTread™ - Edge Safe

Quick and easy to install Edge Safe offers a cost effective, long term solution to help comply with the final stage of the Disability Discrimination Act with particular reference to the visually impaired. The Act, in essence, indicates that all stairs accessed by members of the public should have a contrasting coloured nosing fitted to all step edges and in addition such stair nosings should provide a slip resistant surface particularly when wet. Edge Safe is available up to 3400mm long and is 70mm deep to aid mechanical fixing with a 55mm nosing. It can be fitted to almost any steps without creating a trip hazard.

55mm nosing

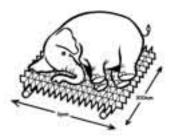
Up to 3400mm long

70mm deep

Sui Generis SafeTread™ - Flat Sheet

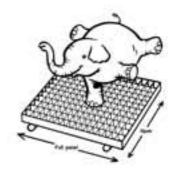
SafeTread™ Flat Sheet is manufactured with the same materials as the Stair Tread and Edge Safe. It is available in standard sized panels 2400mm x 1200mm x circa 4mm thick with light duty grip or heavy duty grip. Standard colours are black, yellow and grey but any RAL colour and bespoke sizes and thicknesses are available on request. Ideal for use in walkways, work platforms, ramps, wet areas, factory floors, in fact anywhere good slip resistance and traction are needed. Suitable for use in areas with heavy duty vehicle activity.

Moulded Grating – Deflection Tables



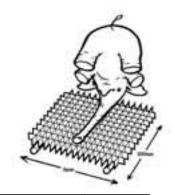
Deflection sheet for uniform load (300mm wide)

Span	Mesh Size	Height	(O)		Unifor	m Load (kg/m²)			Uniform Load under 1%
(mm)	(mm)	(mm)	98	122	244	367	489	733	977	deflection (kg/m²
	38.1 x 38.1	15	0.29	0.36	0.73	1.1	1.46	2.19	2.93	1020
	38.1 x 38.1	25.4	0.06	0.08	0.15	0.23	0.29	0.46	0.6	4956
	25 x 100	25.4	0.03	0.03	0.06	0.1	0.13	0.19	0.26	11637
305	40 × 40	25	0.07	0.09	0.17	0.26	0.34	0.51	0.69	4336
	38.1 x 38.1	38.1	0.02	0.03	0.05	0.08	0.11	0.16	0.21	14270
	25 x 152	38.1	0.01	0.02	0.03	0.05	0.07	0.1	0.14	21450
	40 × 40	40	0.02	0.02	0.05	0.07	0.1	0.15	0.19	15210
	38.1 x 38.1	15	0.74	0.92	1.84	2.77	3.69	5.53	7.37	606
	38.1 x 38.1	25.4	0.15	0.19	0.39	0.56	0.76	1.14	1.52	2943
	25 x 100	25.4	0.09	0.12	0.25	0.36	0.48	0.73	0.96	4656
	40 × 40	25	0.17	0.22	0.43	0.65	0.89	1.31	1.73	2575
	40 x 40 (20 x 20)	30	0.09	0.11	0.21	0.31	0.43	0.65	0.87	5131
457	38.1 x 38.1	38.1	0.05	0.07	0.14	0.22	0.27	0.41	0.55	8163
	25 x 152	38.1	0.04	0.05	0.09	0.14	0.18	0.27	0.37	12244
	40 x 40	40	0.05	0.07	0.13	0.2	0.26	0.41	0.53	8441
	40 x 40 (20 x 20)	40	0.03	0.05	0.09	0.14	0.18	0.27	0.37	12162
	50.7 × 50.7	50.8	0.03	0.03	0.07	0.11	0.14	0.22	0.29	15964
_	38.1 x 38.1	15	2.37	2.95	5.91	8.89	-	-	-	252
	38.1 x 38.1	25.4	0.49	0.61	1.21	1.84	2.44	3.65	4.87	1224
	25 x 100	25.4	0.29	0.37	0.73	1.1	1.47	2.21	2.93	2035
	40 x 40	25.4	0.5	0.62	1.25	1.87	2.51	3.75	4.99	1194
	40 x 40 (20 x 20)	30	0.29	0.36	0.72	1.08	1.44	2.18	2.87	2069
610		38.1	0.14	0.18	0.72	0.55	0.73	1.08	1.44	4140
	38.1 x 38.1 25 x 152	38.1	0.14	0.18	0.37	0.37	0.73	0.72	0.97	6210
h j	25 x 152	40	0.12	0.12	0.25			0.72	1.23	4889
	40 x 40 (20 x 20)	40		0.15	0.31	0.46	0.61	0.92		4904
			0.12				0.59		1.21	
- 7	50.7 x 50.7	50.8		0.1	0.19	0.3		0.61	0.79	7461
	38.1 x 38.1	25.4 25.4	2.26	2.81	5.62 3.92	8.45	11.25	11.70	-	397
	25 x 100		1.57	1.95		5.86	7.82	11.73	-	572
	40 x 40	25	2.53	3.15	6.31	9.48	-	-	10.40	354
914	40 x 40 (20 x 20)	30	1.24	1.56	3.1	4.67	6.22	9.34	12.43	718
914	38.1 x 38.1	38.1	0.63	0.78	1.57	2.36	3.15	4.71	6.28	1421
	25 x 152	38.1	0.42	0.52	1.05	1.57	2.12	3.15	4.19	2131
	40 x 40	40	0.62	0.77	1.56	2.31	3.08	4.62	6.15	1452
	40 x 40 (20 x 20)	40	0.53	0.66	1.31	1.97	2.63	3.92	5.26	1 /00
	50.7 x 50.7	50.8	0.35	0.44	0.87	1.32	1.76	2.63	3.51	2545
	25 x 100	25.4	2.19	2.73	5.45	8.21	10.94	-		447
1000	40 x 40	25	3.55	4.42	8.86		-	-	-	276
1000	40 x 40 (20 x 20)	30	1.88	2.34	4.67	7.06	9.4	-	1	520
	40 x 40	40	0.86	1.08	2.15	3.24	4.32	6.47	8.62	1133
	40 x 40 (20 x 20)	40	0.79	0.99	1.97	2.95	3.96	5.94	7.91	1234
	38.1 x 38.1	25.4	7.47	9.29	-	-	-	-	-	160
	38.1 x 38.1	38.1	2.12	2.64	5.29	7.95	10.59	-	1	563
1219	25 x 152	38.1	1.42	1.76	3.52	5.3	7.06	10.59	-	844
	40 x 40	40	1.81	2.25	4.51	6.77	9.02	13.52	-	661
	40 x 40 (20 x20)	40	1.75	2.19	4.37	6.58	8.75	13.14	-	680
	50.7 x 50.7	50.8	1.08	1.35	2.69	4.05	5.39	8.09	10.78	1105
	38.1 x 38.1	38.1	3.41	4.25	8.52	12.95	-	-	-	394
1372	25 x 152	38.1	2.27	2.83	5.65	8.51	11.33	-	-	592
	50.7 x 50.7	50.8	1.73	2.16	4.34	6.51	8.67	12.97	-	775
	38.1 x 38.1	38.1	5.18	6.46	12.91	-	-	-	-	288
1524	25 x 152	38.1	3.46	4.3	8.61	12.95	-	-	-	432
	50.7 x 50.7	50.8	2.64	3.29	6.58	9.9	13.19	-	-	565



Deflection sheet for point load (full panel)

Span	Mesh Size (mm)	Height	Point Load (kg)							
(mm)		(mm)	45	114	227	341	454	681	908	deflection (kg)
	38.1 x 38.1	25.4	0.13	0.34	0.66	0.97	1.32	1.97	2.64	1050
305	25 x 100	25.4	0.12	0.3	0.58	0.82	1.15	1.55	2.1	1242
000	38.1 x 38.1	38.1	0.12	0.28	0.39	0.56	0.73	1.12	1.48	1909
	40 x 40	40	0.1	0.25	0.4	0.59	0.73	1.03	1.46	1909
	38.1 x 38.1	25.4	0.31	0.84	1.59	2.48	3.11	5.03	6.95	582
	25 x 100	25.4	0.31	0.73	1.43	2.15	2.78	4.14	5.47	715
457	38.1 x 38.1	38.1	0.15	0.35	0.67	0.92	1.21	1.73	2.23	1611
	40 x 40	40	0.15	0.34	0.66	0.94	1.23	1.87	2.35	1622
	50.7 x 50.7	50.8	0.03	0.12	0.26	0.36	0.47	0.48	0.69	6669
	38.1 x 38.1	25.4	0.78	1.65	3.43	6.16	7.17	10.26	12.88	338
	25 x 100	25.4	0.75	1.65	3.28	4.76	6.24	9.22	-	420
610	38.1 x 38.1	38.1	0.3	0.67	1.3	1.79	2.31	3.48	4.61	1211
	40 x 40	40	0.21	0.49	0.98	1.45	1.9	2.89	3.7	1421
	50.7 x 50.7	50.8	0.11	0.27	0.56	0.83	1.1	1.65	2.16	2580
	38.1 x 38.1	25.4	1.83	4.58	9.85	13.52	-	-	-	187
	25 x 100	25.4	1.73	4.12	8.08	12.1	-	-	-	250
914	38.1 x 38.1	38.1	0.65	1.56	3.03	4.27	5.48	9.13	10.86	688
	40 x 40	40	0.63	1.51	2.9	4.3	5.4	8.56	10.37	710
	50.7 × 50.7	50.8	0.31	0.78	1.56	2.35	3.16	4.75	6.39	1313
1000	25 x 100	25.4	2.13	5.07	9.96	14.96	-	-	-	228
	40 x 40	40	0.66	1.71	3.38	5.06	6.77	10.08	13.37	674
	38.1 x 38.1	25.4	3.15	7.82	15.68	-	-	-	-	142
1219	38.1 x 38.1	38.1	0.95	2.41	4.71	6.9	9.12	13.55	-	526
	40 x 40	40	0.92	2.35	4.68	7.04	9.38	12.66	-	532
	50.7 × 50.7	50.8	0.57	1.45	2.88	4.3	5.77	8.55	11.34	959
1372	38.1 x 38.1	38.1	1.49	3.79	7.58	11.3	-	-	-	415
	50.7 × 50.7	50.8	0.83	2.09	4.15	6.21	8.26	-	-	757
1473	38.1 x 38.1	38.1	1.86	4.72	9.32	-	-	-	-	360
	50.7 × 50.7	50.8	1.07	2.69	5.12	7.76	10.29	2/	- 11111	656
1524	50.7 × 50.7	50.8	1.21	2.96	5.84	8.57	-	-	-	613



Deflection sheet for concentrated line load (300mm wide)

Span	Mesh Size	Height	(Q)	Con	centrated	Line Loa	d (kg/30	0mm)		Concentrated Line Load under 1%
(mm)	(mm)	(mm)	45	114	227	341	454	681	908	deflection (kg/300mm)
	38.1 x 38.1	15	0.98	2.49	4.96	7.43	9.88	-	-	140
	38.1 x 38.1	25.4	0.24	0.51	1.02	1.52	2.03	3.03	4.05	683
	25 x 100	25.4	0.14	0.34	0.69	1.02	1.36	2.05	2.73	1015
305	40 x 40	25	0.27	0.69	1.37	2.06	2.75	4.1	5.5	505
	38.1 x 38.1	38.1	0.1	0.24	0.49	0.71	0.95	1.42	1.9	1457
	25 x 152	38.1	0.09	0.17	0.32	0.48	0.63	0.96	1.27	2185
	40 x 40	40	0.09	0.22	0.45	0.65	0.89	1.33	1.77	1567
	50.7 x 50.7	50.8	0.06	0.16	0.31	0.48	0.63	0.95	1.27	2183
	38.1 x 38.1	15	3.37	8.54	-	-	-	-	-	61
	38.1 x 38.1	25.4	0.69	1.75	3.49	5.25	6.99	10.49	-	297
	25 x 100	25.4	0.43	1.08	2.17	3.25	4.33	6.5	8.65	479
	40 x 40	25	0.82	2.07	4.12	6.18	8.23	12.35	-	252
457	40 x 40 (20 x 20)	30	0.42	1.07	2.12	3.19	4.24	6.36	8.49	489
	38.1 × 38.1	38.1	0.21	0.52	1.04	1.57	2.07	3.12	4.16	998
	25 x 152	38.1	0.15	0.37	0.74	1.12	1.47	2.21	2.95	1407
	40 x 40	40	0.2	0.51	1.01	1.51	2.01	3.03	4.02	1032
7772	40 x 40 (20 x 20)	40	0.18	0.45	0.9	1.34	1.79	2.69	3.57	1159
	50.7 × 50.7	50.8	0.13	0.33	0.67	1.01	1.33	2.01	2.67	1552
	38.1 x 38.1	15	8.33	-	-	- 1971	-	-	-	33
	38.1 x 38.1	25.4	1.74	4.4	8.76	-	-	-	-	158
	25 x 100	25.4	1.11	2.8	5.58	8.39	11.17	-	-	248
	40 x 40	25	1.77	4.49	8.93	13.42	-	-	-	155
610	40 x 40 (20 x 20)	30	1.08	2.75	5.47	8.22	10.95		-	253
	38.1 × 38.1	38.1	0.5	1.26	2.51	3.77	5.02	7.53	10.03	552
	25 x 152	38.1	0.35	0.88	1.75	2.63	3.51	5.26	7.01	790
	40 x 40	40	0.47	1.18	2.38	3.54	4.72	7.08	9.45	587
	40 x 40 (20 x 20)	40	0.46	1.16	2.31	3.47	4.62	6.93	9.25	599
	50.7 × 50.7	50.8	0.31	0.77	1.55	2.32	3.08	4.64	6.18	896
- 37	38.1 x 38.1	25.4	5.79	- 1	-	-	-	12/90	- 4	71
4	25 x 100	25.4	3.92	9.92	-	-	-	-	-	105
-8	40 x 40	25	6.14	-	-	-	-	-	- 7	67
04.4	40 x 40 (20 x 20)	30	3.19	8.08	-	-	-	-	-	129
914	38.1 x 38.1	38.1	1.68	4.25	8.47	12.72	-	-	-	245
	25 x 152	38.1	1.17	2.96	5.89	8.85	11.79	-	-	352
	40 x 40	40	1.5	3.79	7.54	11.33	-	-	-	275
	40 x 40 (20 x 20)	40	1.35	3.42	6.8	10.22	13.6	-	-	305
	50.7 x 50.7	50.8	0.99	2.49	4.97	7.47	9.95	14.93	-	417
	25 x 100	25.4	5	12.67	-	-	4.40	-	-	90
1000	40 x 40	25	7.89 4.09	10.36		-			-	110
1000	40 x 40 (20 x 20)	30 40			0.70	-	-	-	-	232
	40 x 40		1.94	4.91	9.78	1011	-	-	-	260
	40 x 40 (20 x 20) 38.1 x 38.1	40	1.73	4.38	8.73	13.11				
- 1	25 x 152	38.1	2.77	7.02	13.97	-	-	-	-	137
1219	40 x 40	40	3.98	10.07	-	-	-	-	-	138
	40 x 40 40 x 40 (20 x 20)	40	3.13	7.94	15.81	-	-	-	-	175
	50.7 × 50.7	50.8	2.3	5.84	11.63	-	-	-	-	238
	38.1 x 38.1	38.1	5.72	14.48	-	-	-	-	-	108
1372	25 x 152	38.1	3.96	10.03	-		-	-	-	156
13/2	50.7 x 50.7	50.8	3.28	8.32	16.57	-	-	-	-	188
	38.1 x 38.1	38.1	7.79	-	16.57	-	-	-	-	88
1504	25 x 152	38.1	7.79 5.44	13.79	-	-	-	-	-	126
1524	50.7 x 50.7	50.8	4.51		-		-	-	-	152
	50.7 X 50.7	50.8	4.51	11.43		-				152

Pultruded Grating – Deflection Tables



Deflection sheet for uniform load (300mm wide)

Span	Туре	Uniform Load (kg/m²)									
(mm)	(mm)	489	977	1466	1955	2443	3665	4887	9774	14660	
- 64	I - 40 - 25	0.03	0.06	0.09	0.12	0.15	0.23	0.31	0.61	0.92	
	I - 50 - 25	0.04	0.07	0.11	0.15	0.19	0.28	0.37	0.74	1.11	
	I - 60 - 25	0.05	0.09	0.14	0.19	0.24	0.35	0.47	0.94	1.41	
305	I - 40 - 38	0.01	0.02	0.03	0.04	0.05	0.08	0.11	0.21	0.32	
	I - 50 - 38	0.01	0.03	0.04	0.05	0.06	0.1	0.13	0.26	0.39	
	I - 60 - 38	0.02	0.03	0.05	0.07	0.08	0.12	0.16	0.33	0.49	
	T - 33 - 50	0.01	0.01	0.02	0.03	0.03	0.05	0.07	0.14	0.21	
	T - 50 - 50	0.01	0.02	0.03	0.04	0.04	0.07	0.09	0.18	0.27	
	I - 40 - 25	0.14	0.28	0.42	0.56	0.7	1.04	1.39	2.79	4.18	
	I - 50 - 25	0.17	0.34	0.51	0.68	0.84	1.27	1.69	3.38	5.07	
- 33	I - 60 - 25	0.21	0.43	0.64	0.86	1.07	1.61	2.14	4.29	6.43	
457	I - 40 - 38	0.05	0.1	0.15	0.2	0.25	0.38	0.5	1.01	1.51	
457	I – 50 – 38	0.06	0.12	0.18	0.24	0.3	0.46	0.61	1.22	1.83	
	I - 60 - 38	0.08	0.15	0.23	0.31	0.39	0.58	0.77	1.55	2.32	
	T - 33 - 50	0.03	0.07	0.1	0.13	0.17	0.25	0.33	0.67	1	
	T - 50 - 50	0.04	0.09	0.13	0.17	0.22	0.33	0.43	0.87	1.3	
	I - 40 - 25	0.41	0.83	1.24	1.66	2.07	3.11	4.15	8.29	12.44	
	I - 50 - 25	0.5	1.01	1.51	2.01	2.51	3.77	5.03	10.05	15.08	
	I - 60 - 25	0.64	1.28	1.91	2.55	3.19	4.78	6.38	12.76		
610	I – 40 – 38	0.15	0.31	0.46	0.62	0.77	1.16	1.54	3.08	4.62	
610	I – 50 – 38	0.19	0.37	0.56	0.75	0.93	1.4	1.87	3.74	5.61	
	I - 60 - 38	0.24	0.47	0.71	0.95	1.19	1.78	2.37	4.74	7.11	
	T - 33 - 50	0.1	0.21	0.31	0.42	0.52	0.78	1.04	2.08	3.12	
	T - 50 - 50	0.14	0.27	0.41	0.54	0.68	1.01	1.35	2.7	4.05	
	I - 40 - 25	1.92	3.84	5.76	7.68	9.6	14.4				
	I - 50 - 25	2.33	4.65	6.98	9.31	11.64	17.46				
	I - 60 - 25	2.96	5.91	8.86	11.82	14.77		17-77	ALC: U		
914	I – 40 – 38	0.72	1.44	2.17	2.89	3.61	5.42	7.22	14.45		
914	I - 50 - 38	0.88	1.75	2.63	3.5	4.38	6.57	8.75	17.51	36.4	
	I - 60 - 38	1.11	2.22	3.33	4.44	5.55	8.33	11.11			
	T - 33 - 50	0.5	1	1.49	1.99	2.49	3.74	4.98	9.96	14.95	
	T - 50 - 50	0.65	1.29	1.94	2.59	3.24	4.86	6.48	12.95		
	I - 40 - 25	5.82	11.62	17.44						N S	
	I - 50 - 25	7.05	14.09								
	I - 60 - 25	8.95	17.88							100	
1210	I – 40 – 38	2.23	4.45	6.68	8.91	11.14	16.71				
1219	I – 50 – 38	2.7	5.4	8.1	10.8	13.5				72	
	I - 60 - 38	3.43	6.85	10.28	13.71	17.13					
	T - 33 - 50	1.52	3.04	4.56	6.07	7.59	11.39	15.19			
	T - 50 - 50	1.98	3.95	5.92	7.9	9.87	14.8				
	I - 40 - 38	3.53	7.06	10.59	14.13	17.65					
	I – 50 – 38	4.28	8.56	12.84	17.12						
1372	I - 60 - 38	5.44	10.86	16.3		1					
	T - 33 - 50	2.4	4.79	7.19	9.59	11.98	17.98				
	T - 50 - 50	3.12	6.23	9.35	12.46	15.58			- 0		
	I – 40 – 38	5.31	10.62	15.93							
	I – 50 – 38	6.44	12.87		57						
1524	I – 60 – 38	8.17	16.33								
	T - 33 - 50	3.63	7.25	10.87	14.5	18.12	18.12				
	T - 50 - 50	4.72	9.42	14.14	18.85						
1670	T - 33 - 50	5.2	10.4	15.6							
1676	T - 50 - 50	6.77	13.52								



Deflection sheet for concentrated line load (kg/300mm wide)

Span Type Concentrated line Load (kg/300mm)										
(mm)	(mm)	45	91	136	182	227	341	454	908	1362
	I – 40 – 25	0.05	0.1	0.15	0.2	0.25	0.37	0.5	1	1.49
	I - 50 - 25	0.06	0.12	0.18	0.24	0.3	0.45	0.6	1.19	1.79
- 27	I - 60 - 25	0.07	0.15	0.22	0.3	0.37	0.56	0.75	1.49	2.24
305	I - 40 - 38	0.02	0.03	0.05	0.07	0.09	0.13	0.17	0.35	0.52
305	I - 50 - 38	0.02	0.05	0.07	0.09	0.12	0.18	0.23	0.47	0.7
	I - 60 - 38	0.03	0.05	0.08	0.1	0.13	0.2	0.26	0.52	0.78
	T - 33 - 50	0.01	0.02	0.03	0.04	0.05	0.08	0.11	0.22	0.33
	T - 50 - 50	0.01	0.03	0.04	0.06	0.07	0.11	0.15	0.29	0.44
	I - 40 - 25	0.15	0.3	0.45	0.61	0.76	1.13	1.51	3.02	4.53
	I - 50 - 25	0.18	0.36	0.54	0.73	0.91	1.36	1.81	3.63	5.44
	I - 60 - 25	0.22	0.45	0.68	0.91	1.13	1.7	2.27	4.53	6.8
457	I – 40 – 38	0.05	0.11	0.16	0.22	0.27	0.41	0.55	1.09	1.64
457	I - 50 - 38	0.06	0.13	0.2	0.26	0.33	0.49	0.65	1.31	1.96
	I - 60 - 38	0.08	0.16	0.25	0.33	0.41	0.61	0.82	1.64	2.45
	T - 33 - 50	0.04	0.07	0.11	0.14	0.18	0.27	0.35	0.71	1.06
	T - 50 - 50	0.05	0.09	0.14	0.19	0.24	0.35	0.47	0.94	1.41
	I - 40 - 25	0.33	0.68	1.01	1.35	1.68	2.53	3.37	6.74	10.11
	I - 50 - 25	0.4	0.81	1.21	1.62	2.02	3.04	4.04	8.08	12.13
	I - 60 - 25	0.5	1.01	1.51	2.03	2.53	3.8	5.05	10.11	15.16
212	I – 40 – 38	0.12	0.25	0.38	0.5	0.63	0.94	1.25	2.5	3.76
610	I - 50 - 38	0.15	0.3	0.45	0.6	0.75	1.13	1.5	3.01	4.51
	I - 60 - 38	0.19	0.38	0.56	0.75	0.94	1.41	1.88	3.76	5.63
-	T - 33 - 50	0.08	0.16	0.25	0.33	0.41	0.62	0.82	1.65	2.47
	T - 50 - 50	0.11	0.22	0.33	0.44	0.55	0.82	1.1	2.19	3.29
	I - 40 - 25	1.03	2.09	3.12	4.17	5.21	7.82	10.41		
	I - 50 - 25	1.24	2.5	3.74	5.01	6.25	9.38	12.49		
	I - 60 - 25	1.55	3.13	4.68	6.26	7.81	11.73	15.62		
	I – 40 – 38	0.39	0.78	1.17	1.57	1.96	2.94	3.92	7.83	11.75
914	I - 50 - 38	0.47	0.94	1.41	1.88	2.35	3.53	4.7	9.4	14.09
	I - 60 - 38	0.58	1.18	1.76	2.35	2.94	4.41	5.87	11.75	17.62
	T - 33 - 50	0.26	0.53	0.79	1.06	1.32	1.98	2.63	5.27	7.9
	T - 50 - 50	0.35	0.7	1.05	1.41	1.76	2.64	3.51	7.02	10.53
	I - 40 - 25	2.36	4.76	7.12	9.53	11.88	17.85			10 July 1970
	I – 50 – 25	2.83	5.72	8.54	11.43	14.26				
	I - 60 - 25	3.53	7.15	10.68	14.29	17.82				7.
	I – 40 – 38	0.9	1.82	2.71	3.63	4.53	6.8	9.06	18.11	
1219	I – 50 – 38	1.08	2.18	3.26	4.36	5.43	8.16	10.87		1.00
	I - 60 - 38	1.35	2.72	4.07	5.45	6.79	10.2	13.58		
	T - 33 - 50	0.6	1.21	1.8	2.41	3.01	4.52	6.02	12.04	18.05
	T - 50 - 50	0.8	1.61	2.4	3.22	4.01	6.03	8.02	16.05	
	I - 40 - 25	3.34	6.75	10.09	13.51	16.84				
	I - 50 - 25	4.01	8.1	12.11	16.21					
	I - 60 - 25	5.01	10.13	15.14	. 5.2					
1372	I – 40 – 38	1.26	2.56	3.82	5.11	6.38	9.58	12.75	25.5	
1012	I – 50 – 38	1.52	3.07	4.58	6.13	7.65	11.49	15.3	20.0	
	I - 60 - 38	1.9	3.83	5.73	7.67	9.56	14.37	19.13		
	T - 33 - 50	0.84	1.69	2.53	3.38	4.22	6.34	8.44	16.88	
	T - 50 - 50	1.12	2.26	3.37	4.51	5.63	8.45	11.25	10.08	
	I - 40 - 38		3.46			8.63				
	I – 40 – 38 I – 50 – 38	2.05	4.15	5.17	6.92		12.97	17.26		
1524				6.21	8.31	10.36	15.56			
1024	I - 60 - 38	2.57	5.19	7.76	10.38	12.95	19.45	11.40		
	T - 33 - 50	1.14	2.3	3.44	4.61	5.75	8.63	11.49		
	T - 50 - 50	1.52	3.07	4.59	6.14	7.66	11.51	15.32		
1676	T - 33 - 50	1.49	3	4.49	6.01	7.5	11.26	14.99		
	T - 50 - 50	1.98	4.01	5.99	8.01	9.99	15.01	19.99		

Pendulum Test Results

Measurement of Surface Slipperiness

A laboratory slipperiness assessment was undertaken by the Health & Safety Laboratory (UK) in accordance with guidelines recommended by United Kingdom Slip Resistance Group (Issue 2,2000) and protocols outlined in BS 7976:2.

Slip Risk Classification based on Pendulum Test Values

Pendulum Value Slip Risk

0 - 24 High 25 - 35 Moderate 36 - 64 Low

65 + Extremely Low

Pendulum measurements were taken in 3 directions for accurate assessments.

Product Tested	Dry Reading	Wet Reading
Flat Sheet - Heavy Duty	74/71/74	64/65/64
Flat Sheet - Light Duty	70/73/74	65/68/68
Grating - Flat Surface 25mm	62/65/68	47/45/49
Grating - Gritted Surface 25mm	71/79/68	71/74/60

Slip Risk Classification based on RZ Microroughness Values (applicable for water-wet, low activity pedestrian areas)

RZ Surface Roughness (microns) Slip Risk

Below 10 High
10 or above (but below 20) Moderate
20 or above Low

Flat Sheet Heavy Duty and Light Duty - Data could not be generated due to the level of roughness exceeding the range of this instrument. This suggests the measurement would be at least 100 and therefore a low slip risk.

Flat Surface Grating 25mm - RZ Surface Roughness 12.06 (mean) = moderate potential for slip.

Gritted Grating 25mm - Data could not be generated due to the level of roughness exceeding the range of this instrument. This suggests the measurement would be at least 100 and therefore a low slip risk.

The test results presented relate only to the flooring samples under study at the time of testing. The performance of installed materials may change significantly during their lifetime: slip resistance is critically dependent on the level and type of contamination, application of the surface treatment, wear, maintenance and effective cleaning subsequent to installation. The full report from the Health and Safety Laboratory can be inspected and downloaded from www.suigeneris.co.uk











Corrosion Resistance

Corrosion Resistance Guide for Sui Generis Moulded and Pultruded Grating

Chemical type	Type V – V	inyl Ester	Type I - Is	ophthalic	Type O - Orthophthalic		
Chemical type	Concentration %	Temperature F/°C	Concentration %	Temperature F/℃	Concentration %	Temperature F/℃	
Acetic Acid	50	180/82	50	125/52	5	77/25	
Aluminum Hydroxide	100	180/82	100	160/71	ALL	-	
Ammonium Chloride	ALL	210/99	ALL	170/77	ALL	-	
Ammonium Bicarbonate	50	160/70	15	125/52	ALL	-	
Ammonium Hydroxide	28	100/38	28	N/R	ALL	N/R	
Ammonium Sulfate	ALL	210/99	ALL	170/77	ALL	-	
Benzene	100	92/40	ALL	N/R	ALL	N/R	
Benzoic Acid	SAT	210/99	SAT	150/66	ALL	77/25	
Borax	SAT	210/99	SAT	170/77	SAT	113/45	
Calcium Carbide	ALL	180/82	ALL	170/77	ALL		
Calcium Nitrate	ALL	210/99	ALL	180/82	ALL	-	
Carbon Tetrachloride	100	92/40	100	N/R	100	N/R	
Chlorine, Dry Gas	-	210/99	-	140/60	-	N/R	
Chlorine Water	SAT	200/93	SAT	80/27	SAT	N/R	
Chromic Acid	10	150/65	5	70/21	5	N/R	
Citric Acid	ALL	210/99	ALL	170/77	ALL	77/25	
Calcium Chloride	ALL	210/99	ALL	170/77	ALL	104/40	
Copper Cyanide	ALL	210/99	ALL	170/77	ALL	77/25	
Copper Nitrate	ALL	210/99	ALL	170/77	ALL	-	
Ethanol	10	155/82	50	75/24	10	77/25	
Ethylene Glycol	100	200/93	100	90/32	100	104/40	
Ferric Chloride	ALL	210/99	ALL	170/77	ALL	104/40	
Ferrous Chloride	ALL	210/99	ALL	170/77	ALL	86/30	
Formaldehyde	37	140/60	50	75/24	25	86/30	
Gasoline	100	180/82	100	75/24	100	95/35	
Glucose	100	210/99	100	170/77	ALL	9000	
Glycerine	100	210/99	100	150/66	100	-	
Hydrobromic Acid	50	150/65	50	120/49	18		
Hydrochloric Acid	37	150/65	37	75/24	10	86/30	
Hydrofluoric Acid	10	149/65	al transfer				
Hydrogen Peroxide	30	150/65	5	100/38	5	NR	
Lactic Acid	ALL	210/99	ALL	170/77	ALL	77/25	
Lithium Chloride	SAT	210/99	SAT	150/66	ALL	-	
Magnesium Chloride	ALL	210/99	ALL	170/77	ALL	104/40	
Magnesium Nitrate	ALL	210/99	ALL	140/60	ALL	86/30	
Magnesium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40	
Mercuric Chloride	100	210/99	100	150/66	100	104/40	
Mercurous Chloride	ALL	210/99	ALL	140/60	ALL	104/40	
Methacrylic Acid	99	95/35	-	-	-	-	
Methanol	10	183/84	N/R	N/R	N/R	N/R	
Nickel Chloride	ALL	210/99	ALL	170/77	ALL	104/40	
Nickel Sulfate	ALL	210/99	ALL	170/77	ALL	104/40	
Nitric Acid	20	130/54	20	70/21	20	N/R	
Oxalic Acid	ALL	210/99	ALL	75/24	ALL	N/R	
Perchloric Acid	30	100/38	10	N/R	10	N/R	
Phosphoric Acid	100	210/99	100	120/49	80	N/R	
Potassium Chloride	ALL	210/99	ALL	170/77	ALL	104/40	
Potassium Dichromate	ALL	210/99	ALL	170/77	ALL	77/25	
Potassium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40	
Potassium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40	
Propylene Glycol	ALL	210/99	ALL	170/77	ALL	104/40	
Sea Water	ALL	210/99	ALL	158/70	ALL	113/45	

Chemical type	Type V - Vinyl Ester		Type I - Isophthalic		Type O - Orthophthalic	
	Concentration %	Temperature F/°C	Concentration %	Temperature F/℃	Concentration %	Temperature F/℃
Sodium Acetate	ALL	210/99	ALL	160/71	ALL	104/40
Sodium Bisulfate	ALL	210/99	ALL	170/77	ALL	- 1
Sodium Bromide	ALL	210/99	ALL	170/77	5	-
Sodium Cyanide	ALL	210/99	ALL	170/77	5	N/R
Sodium Hydroxide	25	180/82	N/R	N/R	N/R	N/R
Sodium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Sodium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40
Stannic Chloride	ALL	210/99	ALL	160/71	ALL	104/40
Sulfuric Acid	50	183/80	25	75/24	10	-
Tartaric Acid	ALL	210/99	ALL	170/77	ALL	
Vinegar	100	210/99	100	170/77	ALL	-
Water, Distilled	100	180/82	100	170/77	ALL	86/30
Zine Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Zine Sulfate	ALL	210/99	ALL	170/77	ALL	104/40

Key

ALL – any concentration

SAT – saturated solutions

NR – not recommended

- – no information available





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