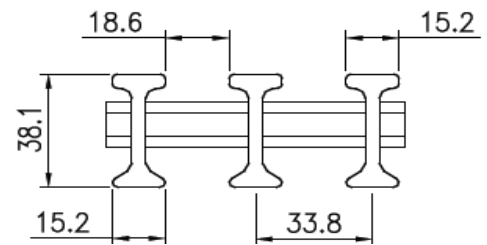




# DURAGRID® Phenolic Grating I-5500 38/19mm

## Technical Data

Material:	Fiberglass reinforced polymer (FRP)
Production method:	Pultrusion
Standard panel size:	4500mm x 1000mm
Panel height:	38mm
Bearing bar dimensions:	15/4/15mm
Bearing bar space:	18,6mm
Open area:	55% (NORSOK)
Weight per m <sup>2</sup> :	18,9 kg
Slip resistance:	Gritted surface
Color:	Brown RAL 8023 Black RAL 9004



## Fire Safety

Incombustibility:	ASTM E136-99
Limited incombustibility:	ASTM D635-98
Structural fire integrity:	DNV type approval
Static electricity:	EN 13463-1:2001 EN 50014
Smoke toxicity:	NES 713
Smoke development:	ISO 5659-2:1994
Flame spread:	ASTM E84-05
Temperature area:	-60° C ⇔

Patented 3-piece cross-rod system for extra strenght

- ✓ Higher point load
- ✓ Less deflection
- ✓ Enhanced durability through the use of transport trolleys

### I-5500 38mm Bearing Bars Spaced 34mm On Center

Span mm	Load KN ▶	ΔU Deflection in mm under uniform load (1 m <sup>2</sup> )					ΔC Deflection in mm under concentrated load (1m)						2 to 1 safety factor Safe load (KN)	Deflection mm
		3	3,5	4	4,5	5	6	8	10	12	15	20		
400	Δ U	0,02	0,03	0,03	0,03	0,04	0,04	0,06	0,07	0,09	0,11	0,14	550,50	3,95
	Δ C	0,09	0,10	0,11	0,13	0,14	0,17	0,23	0,29	0,34	0,43	0,57		
600	Δ U	0,10	0,12	0,14	0,15	0,17	0,20	0,27	0,34	0,41	0,51	0,68	237,00	8,07
	Δ C	0,27	0,32	0,36	0,41	0,45	0,54	0,73	0,91	1,09	1,36	1,82		
800	Δ U	0,31	0,36	0,41	0,46	0,52	0,62	0,82	1,03	1,24	1,55	2,06	135,00	13,92
	Δ C	0,62	0,72	0,82	0,93	1,03	1,24	1,65	2,06	2,47	3,09	4,12		
1000	Δ U	0,73	0,85	0,98	1,10	1,22	1,46	1,95	2,44	2,93	3,66	4,88	84,75	20,68
	Δ C	1,17	1,37	1,56	1,76	1,95	2,34	3,12	3,90	4,68	5,86	7,81		
1200	Δ U	1,48	1,73	1,98	2,23	2,47	2,97	3,96	4,95	5,93	7,42	9,89	54,75	27,08
	Δ C	1,98	2,31	2,64	2,97	3,30	3,96	5,28	6,59	7,91	9,89	13,19		
1400	Δ U	2,72	3,17	3,62	4,07	4,53	5,43	7,24	9,05	10,86	13,58		39,75	35,97
	Δ C	3,10	3,62	4,14	4,65	5,17	6,21	8,27	10,34	12,41	15,51			
1600	Δ U	4,60	5,36	6,13	6,90	7,66	9,20	12,26	15,33				29,25	44,83
	Δ C	4,60	5,36	6,13	6,90	7,66	9,20	12,26	15,33					
1800	Δ U	7,33	8,55	9,77	10,99	12,22	14,66						22,50	54,97
	Δ C	6,51	7,60	8,69	9,77	10,86	13,03							
2000	Δ U	11,17	13,03	14,89									0,00	0,00
	Δ C	8,94	10,43	11,92	13,40	14,89								

Art. no.: G553819B  
Art. no.: G553819S

Brown RAL 8023  
Black RAL 9004

