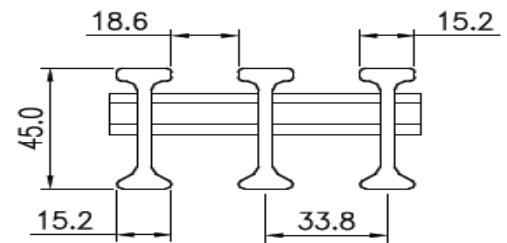




DURAGRID® Phenolic Grating I-5500 45/19mm

Technical Data

Material:	Fiberglass reinforced polymer (FRP)
Production method:	Pultrusion
Standard panel size:	4500mm x 1000mm
Panel height:	45mm
Bearing bar dimensions:	15/4/15mm
Bearing bar space:	18,6mm
Open area:	55% (NORSOK)
Weight per m ² :	21, 5 kg
Slip resistance:	Gritted surface
Color:	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 45mm Bearing Bars Spaced 34mm On Center

Span mm	Load KN ▶	ΔU Deflection in mm under uniform load (1 sqm)					ΔC Deflection in mm under concentrated load (1m)						2 to 1 safety factor Safe load (KN)	Deflection mm
		3	5	8	10	13	15	20	25	39	50	100		
600	Δ U	0,07	0,11	0,16	0,22	0,28	0,33	0,44	0,54	0,85	1,09	2,18	376	8,18
	Δ C	0,17	0,29	0,44	0,58	0,76	0,87	1,16	1,45	2,27	2,90	5,81		
800	Δ U	0,19	0,32	0,48	0,63	0,82	0,95	1,27	1,59	2,47	3,17	6,34	212	13,45
	Δ C	0,38	0,63	0,95	1,27	1,65	1,90	2,54	3,17	4,95	6,34	12,69		
1000	Δ U	0,44	0,73	1,09	1,45	1,89	2,18	2,91	3,64	5,67	7,27		135	19,69
	Δ C	0,70	1,16	1,75	2,33	3,03	3,49	4,65	5,82	9,08	11,64			
1200	Δ U	0,87	1,45	2,17	2,90	3,77	4,35	5,80	7,25	11,30			94	27,13
	Δ C	1,16	1,93	2,90	3,86	5,02	5,80	7,73	9,66					
1400	Δ U	1,59	2,65	3,97	5,29	6,88	7,94	10,58					69	36,41
	Δ C	1,81	3,02	4,54	6,05	7,86	9,07	12,10						
1600	Δ U	2,70	4,49	6,74	8,99	11,68							53	47,63
	Δ C	2,70	4,49	6,74	8,99	11,68								
1800	Δ U	4,30	7,16	10,74									42	59,77
	Δ C	3,82	6,37	9,55										
2000	Δ U	6,55	10,92										34	73,87
	Δ C	5,24	8,73											

Art. no.: G554519S

Black RAL 9004

