

## Moulded Gratings



**Pultrac** moulded gratings are manufactured using a heated mould process. Continuous fibres are placed in the mould in alternating layers and are completely wetted out with resin. This continuous process produces an integral, one piece construction which has bi-directional strength. The addition of grit to the surface adds increase slip-resistance.

**Pultrac** gratings have been developed to meet the stringent quality standards of the American and European markets

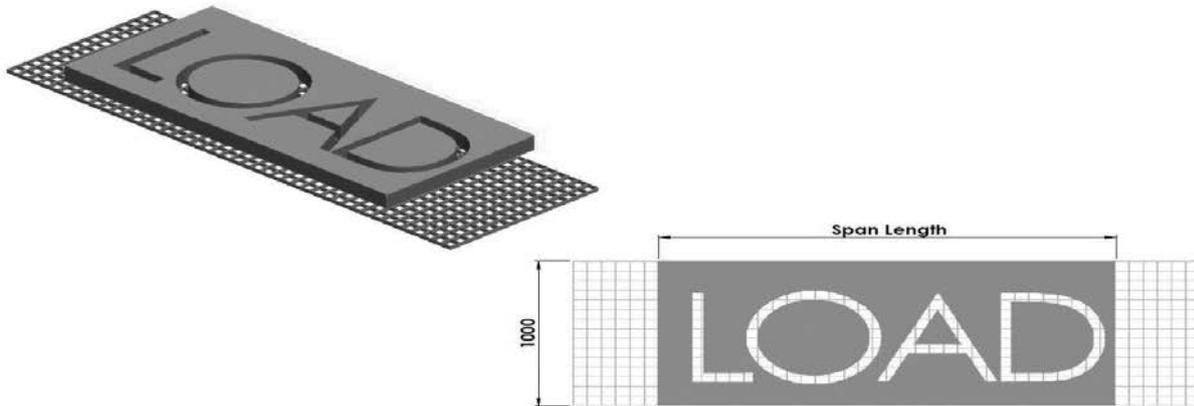
**Pultrac** moulded grating is resistant against corrosion and chemical attack, provide a long lasting safe alternative to metal grating. Available in various dimensions and colours.

Moulded Grating - Mesh size 38 x 38 mm				
Panel Size (mm)	Thickness (mm)	Bar Thickness Top/Bottom	Weight (kg/m <sup>2</sup> )	Open Area (%)
1220x3660,1220x4000,1220x2440, 915x3050,1268x4010	14	6.0/5.0	6.5	78
1220x3660,1220x4000,1524x4010, 997x3012	20	6.0/5.0	9.8	65
1220x3660,1220x4010,1524x4010, 915x3050,1524x4000,997x3012	25	6.5/5.0	12.3	68
1220x3660,1220x4010,1524x4026, 915x3050,1524x4000	30	6.5/5.0	14.6	68
1220x3660,1220x4000,1200x2440, 915x3050,1524x4000,1524x3050,1000x4000	38	7.5/5.0	19.5	68
1220x4010,1220x3660,1220x2440, 915x3050	50	11.0/9.0	42	56
1220x4010,1220x3660,1220x2440, 1232x4010,915x3050	60	10.5/9.0	50.4	54
1230x4101	70	11.5/9.0	58.8	49

**Easy, Safe and Simple** alternative to steel, aluminium and timber

# Moulded Gratings

## Uniform Load Deflection



8x38x20	Uniform load deflection Kg/m						
Span (mm)	350	500	750	1000	1500	2500	Break point
300	<0.254	0.254	0.508	0.508	1.016	1.524	29280
450	1.016	1.524	2.286	3.048	4.572	7.620	12980
600	3.084	4.572	7.112	9.398	---	---	7320
750	5.842	8.890	---	---	---	---	7084
900	---	---	---	---	---	---	3226

38x38x25	Uniform load deflection Kg/m					
Span (mm)	240	480	980	1450	2450	3650
450	0.660	1.092	1.930	2.769	4.470	7.620
600	1.118	2.108	4.140	6.172	10.211	---
750	2.667	5.387	10.820	16.280	---	---
900	5.537	11.176	21.717	---	---	---

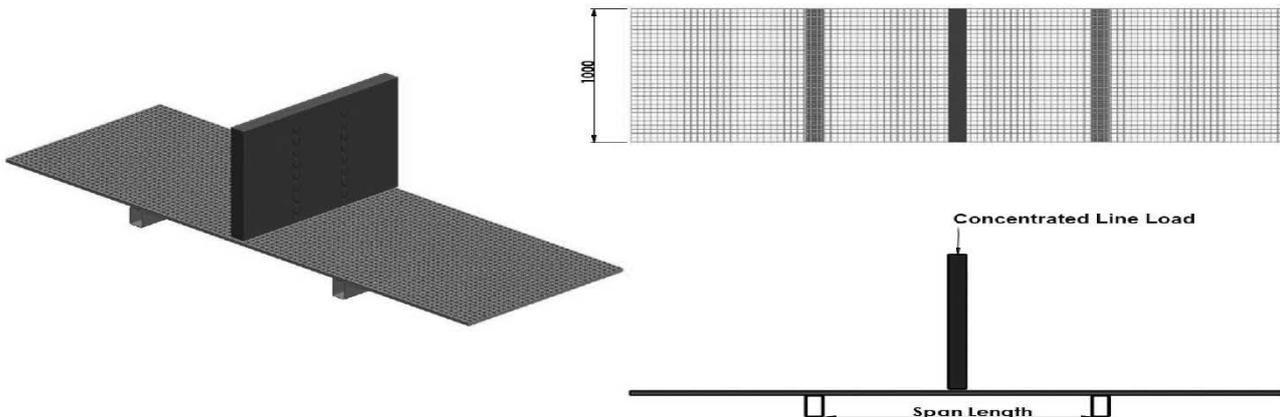
38x38x30	Uniform load deflection Kg/m						
Span (mm)	350	500	750	1000	1500	2500	Break point
300	<0.254	<0.254	<0.254	<0.254	0.254	0.508	32500
450	0.254	0.508	0.762	1.016	1.524	2.286	21661
600	1.060	1.524	2.286	2.794	4.318	7.366	12980
750	2.540	3.810	5.842	7.620	11.684	---	8296
900	4.572	7.112	10.668	---	---	---	5758

38x38x38	Uniform load deflection Kg/m					
Span (mm)	240	480	1450	2450	3650	4880
300	0.254	0.305	0.381	0.457	0.635	0.838
600	0.432	0.813	1.549	2.311	3.835	5.740
900	1.702	3.454	6.659	10.465	17.475	---
1200	5.969	12.167	24.511	---	---	---

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# Moulded Gratings

## Line Load Deflection



38x38x20	Line load deflection Kg/m					
Span (mm)	75	150	300	450	750	Break point
300	0.254	0.508	1.016	1.524	2.540	4470
450	0.762	1.524	3.302	4.826	8.128	2980
600	1.778	3.810	7.620	11.176	---	2235
750	2.794	5.588	11.430	---	---	1788
900	5.334	10.668	---	---	---	1490

38x38x25	Line load deflection Kg/m						
Span (mm)	75	150	300	450	600	750	Break point
450	0.559	1.146	2.159	3.073	4.115	4.75	3910
600	0.864	1.702	3.505	5.156	6.706	8.179	2924
900	2.896	5.918	12.116	18.440	---	---	1948
1200	5.715	111.633	---	---	---	---	1461

38x38x30	Line load deflection Kg/m						
Span (mm)	75	150	300	450	600	750	Break point
300	<0.254	<0.254	0.254	0.805	0.762	1.524	9923
450	0.254	0.508	1.016	1.524	2.540	---	4827
600	0.508	1.270	2.286	3.556	5.842	---	4112
750	1.270	2.540	4.826	7.366	12.446	---	3173
900	1.778	3.810	7.620	11.430	---	---	2637

38x38x38	Line load deflection Kg/m						
Span (mm)	75	150	300	450	600	750	Break point
300	0.279	0.365	0.483	0.610	0.762	0.889	17116
600	0.356	0.660	1.245	1.850	2.464	3.073	8718
900	0.864	1.803	3.683	5.563	7.417	9.296	5817
1200	2.261	4.749	9.677	14.630	19.583	---	3755

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