

CHEMGLASS LTD. : GRP FLOORING PANEL LOADING/DEFLECTION CHARTS

25mm Thick, 38 x 38mm Square Mesh Grating															
Span/mm	Load Type	Deflection													
300	U	484	1936	2904	3872	4840	7260	7744	8712	9680	10648	11616	12584	13552	14520
	△U	0.254	0.762	1.27	1.524	2.032	3.048	3.302	3.556	4.064	4.572	4.826	5.334	5.842	6.096
	C	484	968	1452	1936	2420	36300	3872	4356	4840	5324	5808	6292	6776	7260
	△C	0.254	0.762	1.016	1.27	1.524	2.54	2.54	3.048	3.302	3.556	3.81	4.318	4.572	4.826
450	U	242	484	968	1210	1452	1936	2420	2904	3388	3872	4356	4840	6050	6292
	△U	0.508	1.016	2.032	2.54	2.79	3.81	5.08	5.84	6.86	7.87	3.36	9.65	12.19	17.7
	C	242	484	726	968	1210	1452	1936	2420	2904	3388	3872	4356	4598	4840
	△C	0.508	1.016	1.524	2.032	2.54	3.048	4.064	5.08	6.096	7.112	8.382	9.398	9.906	10.414
	P	484	12100	1452	1936	2420	2904	3388	3872	435.6	4840	6050	7260	8470	9680
	△P	0.254	0.762	1.016	1.27	1.778	2.032	2.54	2.794	3.048	3.556	4.318	5.08	6.096	6.858
600	U	121	242	363	484	968	1210	1452	1936	2420	2904	3630	3726.8		
	△U	0.762	1.524	2.286	3.048	6.35	7.874	9.398	12.446	15.748	18.796	23.622	24.13		
	C	121	242	363	484	968	1210	1452	1936	2420	2904	3630	3726.8		
	△C	0.508	1.27	1.778	2.54	5.08	6.35	7.62	10.16	12.446	14.986	18.796	19.304		
	P	484	1210	2420	2904	3388	3872	4356	4840	5324	5808	7260	9680		
	△P	0.762	1.778	3.302	4.064	4.572	5.334	5.842	6.096	7.366	8.128	10.16	13.462		
750	U	121	242	363	484	726	968	1210	1452	1936	2178	2299			
	△U	1.778	3.556	5.334	6.858	10.414	13.97	17.272	20.828	27.94	31.242	33.02			
	C	121	242	363	484	726	968	1210	1452	1936	2420	2904			
	△C	1.016	2.286	3.302	4.572	6.604	8.89	11.176	13.462	17.78	22.352	26.67			
	P	484	1210	2420	3630	3872	4840	5324	5808	6292	6776	7260			
	△P	1.27	3.302	6.604	9.906	10.414	13.208	14.478	15.748	17.018	18.288	19.558			
900	U	121	242	363	484	726	968	1210	1452	1573					
	△U	3.81	7.874	11.684	15.748	23.622	31.496	39.116	46.99	51.054					
	C	121	242	484	726	968	1210	1452	193.6	2420					
	△C	2.032	4.064	8.382	12.446	16.764	20.828	25.146	33.528	41.91					
	P	484	968	1452	1936	2420	2904	3267	3630	4840					
	△P	1.778	3.556	5.08	6.858	8.636	10.414	11.684	12.954	17.272					
1050	U	121	242	363	484	726	968	1210							
	△U	6.35	12.446	18.796	24.892	37.592	50.038	62.484							
	C	121	242	363	484	968	1452	1936							
	△C	2.794	5.842	8.636	11.43	22.86	34.29	45.72							
	P	242	363	484	968	1452	1936	2420							
	△P	1.524	2.286	3.048	5.842	8.89	11.938	14.986							
1150	U	121	242	363	484	605	726	968							
	△U	9.652	19.558	29.21	39.116	48.768	58.674	78.232							
	C	121	242	363	484	1210	1694	1936							
	△C	4.064	8.128	12.192	16.256	40.894	57.15	65.278							
	P	242	363	48.4	1210	1452	1936	2178							
	△P	1.778	2.794	3.556	8.89	10.668	14.732	16.256							

LEGEND
 U-Uniform Load kg/m²
 △U-Uniform Load Deflection in mm
 C-Line Load kg/m
 △C-Line Load Deflection in mm
 P-Point Load kg
 △P-Point Load Deflection in mm

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