

CHEMGLASS LTD. : GRP FLOORING PANEL LOADING/DEFLECTION CHARTS

50mm Thick, 50 x 50mm Square Mesh Grating															
Span/mm	Load Type	Deflection													
300	U	484	968	1452	1936	2420	3630	4840	7260	9680	14520	19360	24200	29040	30250
	△U	0.254	0.254	0.254	0.254	0.254	0.508	0.508	0.762	1.016	1.524	2.032	2.54	3.048	3.048
	C	484	1210	2420	2904	3388	3872	4356	4598	4840	7260	9680	12100	14520	15004
	△C	0.254	0.254	0.508	0.508	0.508	0.762	0.762	0.762	0.762	1.27	1.524	2.032	2.54	2.54
450	U	242	484	968	1452	1936	2420	3025	3630	4235	4840	7260	9680	12100	13310
	△U	0.254	0.254	0.508	0.762	0.762	1.016	1.27	1.524	2.032	2.286	3.302	4.318	5.334	6.096
	C	242	484	968	1452	1936	2420	3025	3630	4235	4840	6050	7260	8470	9680
	△C	0.254	0.254	0.508	0.762	1.016	1.27	1.524	1.778	2.032	2.286	2.794	3.556	4.064	4.572
	P	242	484	1210	2420	3630	4840	5599.9	6451.7	7260	7744	8228	8712	9196	9680
	△P	0.254	0.254	0.254	0.508	1.016	1.27	1.524	1.778	1.778	2.032	2.032	2.286	2.286	2.54
600	U	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	6776	7260
	△U	0.254	0.508	1.016	1.524	2.032	2.54	3.048	3.556	4.064	4.572	5.08	6.35	7.112	7.62
	C	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	6776	7260
	△C	0.254	0.508	0.762	1.27	1.524	2.032	2.54	2.794	3.302	3.556	4.064	5.08	5.588	6.096
	P	242	484	1210	2420	3630	4840	5648.3	6451.7	7260	7744	8228	8712	9196	9680
	△P	0.254	0.254	0.508	1.016	1.27	1.778	2.032	2.54	2.794	3.048	3.048	3.302	3.556	3.556
750	U	242	484	726	847	968	1452	1936	2420	2904	3388	3872	4356	4840	
	△U	0.508	1.27	1.778	1.524	2.286	3.556	4.572	5.842	6.858	8.128	9.144	10.414	11.43	
	C	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840	5324	5808	
	△C	0.254	0.762	1.524	2.286	3.048	3.556	4.318	5.08	5.842	6.604	7.366	8.128	8.89	
	P	242	484	1210	2420	3630	4840	6050	7260	7744	8228	8712	9196	9680	
	△P	0.254	0.254	0.762	1.524	2.286	3.048	3.81	4.318	4.826	5.08	5.334	5.588	5.842	
900	U	242	363	484	726	968	1210	1452	1936	2420	2904	3388			
	△U	1.016	1.778	2.286	3.302	4.572	5.588	6.604	8.89	11.176	13.462	15.494			
	C	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840			
	△C	0.508	1.27	2.286	3.556	4.826	5.842	7.112	8.382	9.398	10.668	11.938			
	P	242	484	1210	2420	3630	4840	6050	7260	8068.3	8871.7	9680			
	△P	0.254	0.254	1.016	1.778	2.794	3.81	4.572	5.588	6.096	6.858	7.366			
1050	U	242	363	484	968	1210	1452	1694	1936	2178	2420	2904			
	△U	2.032	3.048	4.064	8.128	10.16	11.938	13.97	16.002	18.034	20.066	24.13			
	C	242	363	484	968	1452	1936	2420	2904	3388	3872	4356			
	△C	1.016	1.27	1.778	3.556	5.588	7.366	9.144	10.922	12.954	14.732	16.51			
	P	242	484	1210	2420	3630	4840	6050	7260	8068.3	8871.7	9680			
	△P	0.254	0.508	1.524	3.048	4.826	6.35	7.874	9.398	10.414	11.43	12.7			
1200	U	242	363	484	605	726	968	1210	1452	1694	1936				
	△U	3.556	5.334	7.112	8.89	10.668	14.224	17.78	21.336	24.892	28.448				
	C	242	363	484	968	1452	1936	2420	2904	3388	3630				
	△C	1.524	2.032	2.794	5.588	8.382	11.43	14.224	17.018	19.812	21.336				
	P	242	484	1210	2420	3630	4840	6050	7260	8470	9680				
	△P	0.254	0.762	1.778	3.81	5.588	7.62	9.398	11.43	13.208	15.24				
1350	U	242	363	484	605	726	968	1210	1331	1452					
	△U	5.334	8.128	10.668	13.462	16.002	21.336	26.67	29.464	32.004					
	C	242	363	484	726	968	1452	1936	2420	3388					
	△C	1.778	2.794	3.81	5.588	7.62	11.43	15.24	19.05	26.67					
1500	U	242	363	484	605	726	847	968	1210						
	△U	9.398	13.97	18.542	23.114	27.94	32.512	37.084	46.482						
	C	242	363	484	968	1452	1936	2420	2904						
	△C	3.048	4.572	5.842	11.938	17.78	23.876	29.718	37.592						

LEGEND : U = Uniform Load kg/m<sup>2</sup>    △U = Uniform Load Deflection in mm    C = Line Load kg/m    △C = Uniform Load Deflection in mm  
P = Point Load kg    △P = Point Load Deflection in mm.