

CHEMGLASS LTD. : GRP FLOORING PANEL LOADING/DEFLECTION CHARTS

38mm Thick, 38 x 38mm Square Mesh Grating														Issue 4 - November 2004	
Span/mm	Load Type	Deflection													
300	U	484	968	1452	1936	2420	2904	3388	3872	4356	4840	7260	9680	14520	19360
	△U	0.254	0.254	0.254	0.254	0.508	0.508	0.508	0.762	0.762	1.27	1.27	1.778	2.54	3.556
	C	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260	8470	9680
	△C	0.254	0.254	0.508	0.508	0.762	0.762	1.016	1.016	1.27	1.27	1.778	1.524	2.54	2.794
450	U	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260	9680
	△U	0.254	0.254	0.762	1.016	1.524	1.778	1.524	2.54	2.794	3.302	3.556	4.572	5.334	7.112
	C	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260	8470	9680
	△C	0.508	0.762	1.27	1.524	2.032	2.286	2.794	3.048	3.556	3.81	4.826	5.842	6.604	7.62
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	7260	9680	10890	12100
	△P	0.254	0.254	0.508	0.762	0.762	1.016	1.016	1.27	1.524	1.524	2.54	3.302	3.556	4.064
600	U	484	968	1452	1936	2420	2904	3388	4114	4840	6050	7260	8470	9680	
	△U	1.016	1.524	3.048	4.318	5.334	6.35	7.366	8.89	10.668	13.208	15.748	18.542	21.082	
	C	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260	8470	
	△C	0.762	1.778	2.54	3.302	4.318	5.08	5.842	6.858	7.62	8.382	10.668	12.7	14.732	
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260	9680	
	△P	0.254	0.508	0.762	1.27	1.524	1.778	2.032	2.286	2.54	3.048	3.556	4.318	5.842	
750	U	484	968	1452	1936	2420	2904	3388	3872	4356	4840	5324	5808		
	△U	2.286	4.572	6.858	9.398	11.684	13.97	16.256	18.542	20.828	23.114	25.654	27.94		
	C	242	484	968	1452	1936	2420	2904	3388	3872	4356	4840	7260		
	△C	0.762	1.524	3.048	4.572	5.842	7.366	8.89	10.414	11.938	13.462	14.986	22.352		
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	5324	5808		
	△P	0.508	1.016	1.524	1.524	2.54	3.048	3.556	4.064	4.572	5.08	5.588	6.096		
900	U	242	363	484	726	968	1210	1452	1694	1936	2420	2904	3388		
	△U	2.54	3.81	5.08	7.62	10.16	12.7	14.986	17.526	20.066	25.146	30.226	35.306		
	C	242	363	484	726	968	1210	1452	1694	1936	2420	3630	4840		
	△C	1.27	2.032	2.794	4.064	5.334	6.604	8.128	9.398	10.668	13.462	20.066	26.924		
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050	7260		
	△P	0.762	1.27	2.286	3.048	3.81	4.572	5.334	6.096	6.858	7.62	9.652	11.684		
1050	U	242	266.2	290.4	314.6	338.8	363	484	605	726	847	968			
	△U	4.318	482.6	5.334	5.588	6.096	6.604	8.636	10.922	13.208	15.24	17.526			
	C	242	363	484	726	968	1210	1331	1452	2420	3630	4840			
	△C	2.032	3.048	3.81	6.096	8.128	9.906	10.922	11.938	20.066	29.972	40.132			
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	6050			
	△P	1.016	2.286	3.302	4.572	5.588	6.604	7.874	8.89	10.16	11.176	13.97			
1200	U	193.6	242	266.2	290.4	314.6	338.8	363	484	605	726	968			
	△U	5.842	7.112	7.874	8.636	9.398	10.16	10.668	14.224	18.034	21.59	28.702			
	C	242	290.4	338.8	387.2	435.6	484	968	1452	1936	2420	3630			
	△C	2.794	3.556	4.064	4.572	5.08	5.842	11.43	17.272	22.86	28.702	42.926			
	P	484	968	1452	1936	2420	2904	3388	3872	4356	4840	5324			
	△P	1.524	3.048	4.572	5.842	7.366	8.89	10.414	11.938	13.462	14.732	16.256			
1350	U	193.6	242	266.2	290.4	363	484	968	1452	1936					
	△U	8.636	10.668	11.684	12.954	16.002	21.336	42.672	64.262	85.598					
	C	242	290.4	363	484	726	968	1210	1452	1694					
	△C	3.81	4.572	5.588	7.62	11.43	15.24	19.05	22.86	26.67					
1450	U	484	968	1452	1936	2420	2904	3388	3872	4356					
	△U	1.778	3.81	5.588	7.62	9.398	11.176	13.208	14.986	16.764					
	C	484	968	1452	1936	2420	2904	3388	3872	4356					
	△C	1.524	4.318	6.35	8.382	10.668	12.7	14.732	17.018	19.05					

LEGEND : U = Uniform Load kg/m² △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.