

The following information is a rough guide to assess the loading based on the pertinent factors. However, standards require that individual sites are treated specifically and where appropriate structural calculations are made by a Structural Engineer.

1 SEE NOTES

SELECT

2 EXPOSURE CATEGORY (ground roughness)

4: City centres. Numerous large obstructions (no funnelling).
 3: Average country side, city outskirts, small towns. Many wind breaks.
 2: Open country minimal wind breaks.
 1: No wind breaks. Flat open country. Coastal regions.

3 DESIGN LOAD WIND (adjusted for dead load)

SELECT WIND SPEED FROM MAP	WIND SPEED M/S from map or post code or grid reference	EXPOSURE CATEGORY			
		4	3	2	1
	38	0.5	0.5	0.6	1.0
	40	0.5	0.5	0.6	1.0
	42	0.5	0.5	0.6	1.0
	44	0.5	0.5	0.8	1.0
	46	0.5	0.6	0.8	1.0
	48	0.5	0.6	0.8	1.2
	50	0.5	0.8	1.0	1.2

Value (K/N) from table applicable for use with Span Charts only

4 DESIGN LOAD SNOW (adjusted for dead load and roof style)

CHECK MAP TO CONFIRM SNOW LOAD LOWER THAN WIND.....	BASIC SNOW LOAD from map or post code or grid reference	IMPOSED LOAD
	0.6	0.5
	0.8	0.6
	1.0	0.8
	1.2	refer

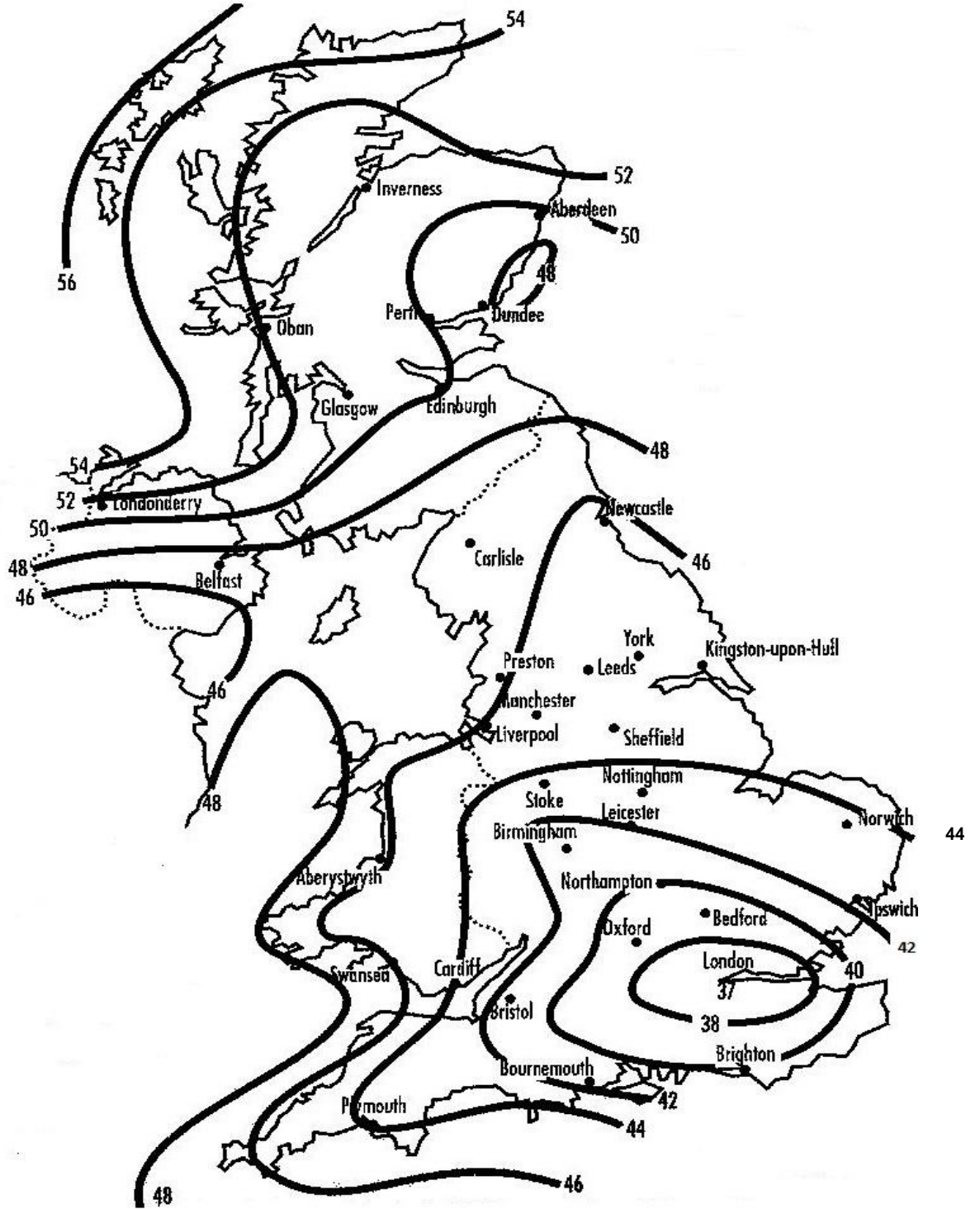
Where the snow load exceeds the wind load, the higher value must be used.

NOTES:

For abnormal exposure and/or loadings contact Head Office.
 Maximum Site Altitude 100 m
 Maximum Ridge Height 5m from the ground
 Glazed with 35 mm polycarbonate multi-wall sheet
 Dead Load and Snow Load or Wind Load must not exceed the Design Load.
 Valley models-refer to Head Office
 Specific site conditions apply
 Information is not for use outside England, Scotland and Wales

5 From SPAN CHARTS find maximum span for unsupported profiles at varying glazing centres

WIND



SNOW



**HEAVY DUTY
MAIN ROOF GLAZING BAR
POCKET TYPE**

SPAN TABLES

NOT PERMITTED.
REFER TO HEAD OFFICE

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 500 MM CENTRES MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.50	7314	6790	6389	6070	5805	5390
0.60	6883	6390	6013	5712	5463	5070
0.80	6254	5805	5463	5190	4964	4608
1.00	5806	5390	5072	4818	4608	4278
1.20	5463	5071	4773	4533	4336	4025

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 600 MM CENTRES MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.50	6883	6389	6013	5712	5463	5071
0.60	6477	6013	5658	5375	5141	4772
0.80	5685	5463	5141	4884	4671	4336
1.00	5463	5072	4773	4534	4336	4025
1.20	5141	4772	4491	4266	4080	3788

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 700 MM CENTRES MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.50	6538	6070	5712	5426	5190	4818
0.60	6153	5712	5375	5106	4884	4534
0.80	5590	5190	4884	4639	4437	4119
1.00	5190	4818	4534	4306	4119	3824
1.20	4884	4533	4266	4052	3876	3598

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 1000 MM CENTRES MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.50	5805	5390	5072	4818	4608	4278
0.60	5463	5072	4772	4533	4336	4025
0.80	4963	4608	4336	4119	3940	3657
1.00	4607	4277	4025	3824	3657	3395
1.20	4336	4025	3788	3598	3441	3195

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 1050 MM CENTRES MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.50	5712	5302	4990	4740	4533	4209
0.60	5375	4990	4695	4460	4266	3960
0.80	4883	4533	4266	4052	3876	3598
1.00	4533	4208	3960	3762	3598	3340
1.20	4266	3960	3726	3540	3386	3143

EAVES GUTTER - MAXIMUM SPAN BETWEEN POSTS

NOT SUITABLE	
ONLY SUITABLE IN SHELTERED AREA	REFER TO HEAD OFFICE

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 6000 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	3620	3360	3160	3000	2870	2670
0.80	3290	3055	2875	2775	2610	2420
1.00	3055	2835	2670	2530	2420	2250
1.20	2875	2270	2510	2385	2280	2115

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 5500 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	3725	3460	3255	3090	2960	2745
0.80	3345	3145	2960	2810	2685	2495
1.00	3140	2920	2745	2610	2495	2315
1.20	2955	2745	2585	2455	2350	2180

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 5000 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	3845	3570	3360	3190	3050	2835
0.80	3495	3245	3055	2900	2775	2575
1.00	3245	3010	2835	2690	2575	2390
1.20	3050	2835	2665	2530	2420	2250

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 4500 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	3985	3700	3480	3305	3160	2935
0.80	3620	3360	3160	3005	2875	2265
1.00	3360	3120	2935	2790	2265	2475
1.20	3162	2935	2760	2625	2510	2330

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 4000 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	4140	3845	3610	3440	3290	3055
0.80	3765	3495	3290	3125	2990	2775
1.00	3495	3245	3055	2900	2775	2575
1.20	3285	3055	2875	2730	2610	2425

EAVES GUTTER - MAXIMUM SPAN BETWEEN POSTS

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LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 3500 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	4330	4020	3785	3595	3440	3190
0.80	3935	3655	3440	3265	3125	2900
1.00	3650	3390	3190	3030	2900	2690
1.20	3435	3190	3000	2855	2730	2535

LOAD KN SQM	<u>DEFLECTION CRITERIA</u>			AT 3000 MM DEEP MAXIMUM UNSUPPORTED SPAN		
	<u>100</u>	<u>125</u>	<u>150</u>	<u>175</u>	<u>200</u>	<u>250</u>
0.60	4560	4235	3985	3785	3620	3360
0.80	4145	3845	3620	3440	3290	3055
1.00	3845	3570	3360	3190	3055	2835
1.20	3620	3360	3160	3005	2875	2670