

4 WALLS / DESIGN

4.1 SRP™ STUD HEIGHT TABLES [TABLES 6.1 – 6.5]

Internal partition SRP™ Stud height limitations are determined in compliance with loading and design requirements for the relevant Standards, mentioned in the **COMPLIANCE SECTION**. Wind Speeds have been grouped into 5 Wind Zones and are noted on SRP™ Stud Height Tables, where all different Wind Zones are colour coded [single SRP™ Studs lighter, boxed SRP™ Studs darker shade of the same colour] for easy use. The table contains separate values for different internal pressure co-efficient [Cpi] values. If in doubt as to which Cpi value to use in a particular instance, contact SRP™ and/or a structural engineer for confirmation. For values and description refer to SRP™ Stud Height Tables.

To ensure correct SRP™ Stud Selection, the following process must be followed:

1. Determine the Site Specific Wind Zone [Low, Medium, High, Very High or Extra High] using one of the following:
 - a. For structures of one to two storeys, Council supplied Wind Zone information may be used
 - b. For structures greater than two storeys, use SRP™ Wind Zone Table [TABLE 5] in the following way:
 - i. Check if you are outside of the Lee Zone by using the New Zealand Wind Regions map [see FIGURE 4]. If you are within the Lee Zone seek advice from SRP™ and/or a structural engineer.
 - ii. Check if you are outside of the Local Topographic Zone [see FIGURE 5]. If you are within the Local Topographic Zone, seek advice from SRP™ and/or a structural engineer.
2. By using the SRP™ Stud Height Tables [TABLES 6.1 – 6.5], determine the required SRP™ Stud to use. Ensure you use the correct Wind Zone/colour table and within that ensure you are using the relevant Cpi and single/boxed SRP™ Stud sub-table.
 - iii. Select your Importance Level from TABLE 3.
 - iv. Select your Terrain Category from TABLE 4.
 - v. Determine your Wind Region by using the New Zealand Wind Regions map [see FIGURE 4].
 - vi. Determine your reference Height by using FIGURE 6.
 - vii. By using the above parameters, determine the site specific Wind Zone from SRP™ Wind Zone Table [TABLE 5].
- c. Or, seek advice from SRP™ and/or a structural engineer.

NOTE: There could be many feasible SRP™ Stud options for any given situation. Please consider the various combinations of SRP™ Stud size, BMT, SRP™ Stud centre and the use of single/boxed SRP™ Stud scenario and choose the most suitable option for the application, taking into consideration the cost of material, handling and installation, cost of the entire wall including the plasterboard. In addition, potential disturbance due to soft body impact loads should be carefully considered for each given wall type/location. The limit for soft body impact loads is given in the SRP™ Stud Height Tables [Tables 6.1 – 6.5]. It is the responsibility of the specifier to determine requirements in situ.



4.2 SITE SPECIFIC WINDS ZONE TABLE [TABLE 5]

A number of conservative assumptions have been made for the preparation of this table [TABLE 5]. If a more specific design is required, council supplied Wind Zone information may be used for structures of one to two storeys, or seek advice from SRP™ and/or a structural engineer.

1. This table [TABLE 5] can only be used for areas outside of the Lee Zone [see Figure 4] [i.e. $Ml=1.0$].
2. This table [TABLE 5] can only be used for areas outside of the Local Topographic Zone [see FIGURE 5] [i.e. $Mt=1.0$].

3. This table [TABLE 5] does not take the shielding reduction effect of surrounding buildings into consideration.
4. Height is limited to 20m maximum, measured from the ground level [see FIGURE 6].

The use of these tables, [TABLE 3, TABLE 4, TABLE 5 AND TABLES 6.1 – 6.5] is the responsibility of the specifier, and we strongly recommend a structural engineer to review the entire design, including the site specific Wind Speed and the selection of the Steel SRP™ Studs prior to placing an order.

FIGURE 4 New Zealand Wind Regions map

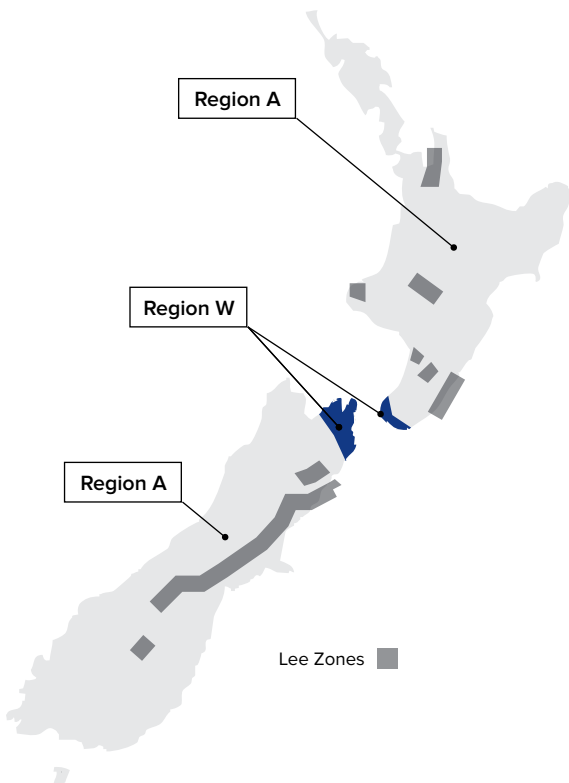


FIGURE 5 Local Topographic Zones

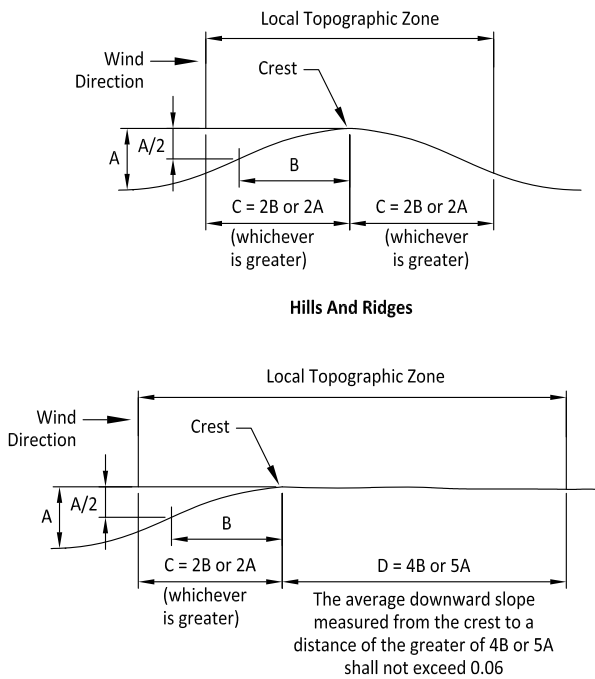


FIGURE 6 Reference Height

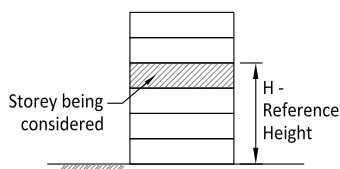


TABLE 3

BUILDING IMPORTANCE LEVEL	
Importance Level	Description
IL 2	Typical structures such as single residential dwellings, car parks, and excluding structures otherwise referenced in IL 2 and IL 4
IL 3	Structures which are not designated as post-disaster, where people may gather in crowds or high community value structures such as schools & day care facilities, health care facilities [with no surgery or emergency treatment facilities], airports, principal railway terminals, Correctional Institutions, Multi-unit residential/commercial/office/retail buildings accommodating >5000 people and with a floor area >10,000 square metres or public assembly buildings with floor area >1000 square metres. Also medium size theatres and cinemas, or buildings which could pose risks to people in crowds, as well as emergency, power generating or public utility buildings not specified as post-disaster and buildings and facilities containing hazardous materials
IL 4 Specific Engineering Design Required	Structures with special post-disaster functions or designated as essential facilities. Here are some examples: Emergency Services facilities as such as Fire, Police and Medical [emergency or surgical], Emergency Shelters, emergency vehicle garages, Buildings containing hazardous material capable of causing great harm to the environment and people.

NOTE: For more detailed description refer to AS/NZS 1170 or seek structural engineering advice or contact SRP™

TABLE 4

TERRAIN CATEGORY	
Terrain Category	Description
TC 2	Open terrain, with well-scattered [1.5m to 5m high] obstructions with no more than two obstructions per hectare such as grassland, farmland, newly established or under construction subdivisions, and airfields, water surfaces.
TC 3	Terrain with numerous closely spaced [3 m to 10 m high] obstructions, with a minimum of the equivalent of 10 residential- sized obstructions per hectare. Example: suburban areas, small industrial areas, well established subdivisions.
TC 4	Terrain with numerous closely spaced large, 10 m to 30 m tall and beyond structures. Example: Large city centres, and large, well developed industrial areas.

NOTE: For more detailed description refer to AS/NZS 1170 or seek structural engineering advice or contact SRP™

TABLE 5

WIND ZONES [WZ] WITH THE WIND SPEED RANGE [WS] [M/S]								
Importance Level IL 2	Terrain Category		TC 4		TC 3		TC 2	
	Wind Region		A	W	A	W	A	W
	Reference Height Ht [m]		Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
Importance Level IL 2	Reference Height Ht [m]	3 - 8 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		9 - 12 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		13 - 15 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		16 - 19 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		20	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
Importance Level IL 3	Reference Height Ht [m]	3 - 8 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		9 - 12 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		13 - 15 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		16 - 19 incl.	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	
		20	Medium WZ WS [32<Vr<37]		High WZ WS [37<Vr<44]		Very High WZ WS [44<Vr<50]	

SRP™ STUD HEIGHT TABLES

WIND ZONES WIND SPEED [M/S]

Low	[Vr<32]
Medium	[32<Vr<37]
High	[37<Vr<44]
Very High	[44<Vr<50]
Extra High	[50<Vr<55]

Specific Engineering Design required for Vr>55 m/s

DESIGN INFORMATION

SLS deflection limit under $W_s \Rightarrow$ L/Plasterboard walls under W_s - 1170.0 table C1	200
Soft body deflection limit [1170.0 table C1] - L/	200
DS	0.7
SLS point load [kN]	0.7
Soft body deflection limit under SLS point load [mm]	12
Wind Zone - Vr - see table	Low

CPI - INTERNAL PRESSURE COEFFICIENT

AS/NZS 1170.2 SECTION 5.3

CPI = 0.20 Fully sealed, no openings

CPI = 0.30 Equal openings on all sides

CPI = 0.60 Openings on one side only

CPI = 0.80 A dominant opening. e.g., large roller door

TABLE 6.1

LOW WIND ZONE | VR<32 M/S

CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	4.43	4.57	5.24	5.40	5.96	6.81	6.14	6.77	7.74	7.00	7.73	8.84	7.18	7.93	9.07	-	7.67	8.47	9.69	10.58	11.70	13.39		
	400	4.03	4.15	4.76	4.91	5.42	6.19	5.57	6.15	7.03	6.36	7.02	8.03	6.53	7.21	8.24	-	6.96	7.69	8.80	9.61	10.63	12.16		
	450	3.87	3.99	4.58	4.72	5.21	5.95	5.36	5.92	6.76	6.12	6.75	7.72	6.27	6.93	7.92	-	6.70	7.40	8.46	9.24	10.22	11.69		
	600	3.52	3.63	4.16	4.29	4.73	5.40	4.87	5.38	6.14	5.56	6.14	7.02	5.70	6.30	7.20	6.11	6.08	6.72	7.69	8.40	9.28	10.63		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.87	3.99	4.58	4.72	5.21	5.95	5.36	5.92	6.76	6.12	6.75	7.72	6.27	6.93	7.92	-	6.70	7.40	8.46	9.24	10.22	11.69		
	400	3.52	3.63	4.16	4.29	4.73	5.40	4.87	5.38	6.14	5.56	6.14	7.02	5.70	6.30	7.20	-	6.08	6.72	7.69	8.40	9.28	10.63		
	450	3.38	3.49	4.00	4.12	4.55	5.20	4.68	5.17	5.91	5.34	5.90	6.75	5.48	6.05	6.92	-	5.85	6.46	7.39	8.07	8.93	10.22		
	600	3.07	3.17	3.63	3.75	4.14	4.72	4.25	4.70	5.37	4.85	5.36	6.13	4.98	5.50	6.29	5.34	5.31	5.87	6.72	7.34	8.11	9.28		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.07	3.17	3.63	3.75	4.14	4.72	4.25	4.70	5.37	4.85	5.36	6.13	4.98	5.50	6.29	-	5.31	5.87	6.72	7.34	8.11	9.28		
	400	2.79	2.88	3.30	3.40	3.76	4.29	3.87	4.27	4.87	4.41	4.87	5.57	4.52	5.00	5.71	-	4.83	5.33	6.10	6.67	7.37	8.43		
	450	2.68	2.77	3.18	3.27	3.61	4.12	3.72	4.10	4.69	4.24	4.68	5.35	4.35	4.80	5.49	-	4.64	5.13	5.87	6.41	7.08	8.11		
	600	2.44	2.51	2.88	2.97	3.28	3.75	3.38	3.73	4.26	3.85	4.25	4.86	3.95	4.37	4.99	4.24	4.22	4.66	5.33	5.82	6.44	7.37		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.79	2.88	3.30	3.40	3.76	4.29	3.87	4.27	4.87	4.41	4.87	5.57	4.52	5.00	5.71	-	4.83	5.33	6.10	6.67	7.37	8.43		
	400	2.54	2.61	3.00	3.09	3.41	3.90	3.51	3.88	4.43	4.01	4.42	5.06	4.11	4.54	5.19	-	4.39	4.85	5.54	6.06	6.69	7.66		
	450	2.44	2.51	2.88	2.97	3.28	3.75	3.38	3.73	4.26	3.85	4.25	4.86	3.95	4.37	4.99	-	4.22	4.66	5.33	5.82	6.44	7.37		
	600	2.22	2.28	2.62	2.70	2.98	3.40	3.07	3.39	3.87	3.50	3.87	4.42	3.59	3.97	4.54	3.85	3.83	4.23	4.84	5.29	5.85	6.69		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	5.58	5.76	6.61	6.81	7.52	8.59	7.73	8.53	9.76	8.82	9.74	11.15	9.05	10.00	11.44	-	9.66	10.67	12.21	13.33	14.74	16.89		
	400	5.07	5.23	6.00	6.19	6.83	7.80	7.02	7.75	8.87	8.01	8.85	10.13	8.22	9.08	10.39	-	8.78	9.69	11.10	12.11	13.39	15.35		
	450	4.88	5.03	5.77	5.95	6.57	7.50	6.75	7.46	8.52	7.71	8.51	9.74	7.91	8.73	9.99	-	8.44	9.32	10.67	11.65	12.87	14.76		
	600	4.43	4.57	5.24	5.41	5.97	6.81	6.14	6.77	7.75	7.00	7.73	8.85	7.18	7.93	9.08	-	7.67	8.47	9.69	10.58	11.70	13.41		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	4.88	5.03	5.77	5.95	6.57	7.50	6.75	7.46	8.52	7.71	8.51	9.74	7.91	8.73	9.99	-	8.44	9.32	10.67	11.65	12.87	14.76		
	400	4.43	4.57	5.24	5.41	5.97	6.81	6.14	6.77	7.75	7.00	7.73	8.85	7.18	7.93	9.08	-	7.67	8.47	9.69	10.58	11.70	13.41		
	450	4.26	4.39	5.04	5.20	5.74	6.55	5.90	6.51	7.45	6.73	7.43	8.51	6.91	7.63	8.73	-	7.37	8.14	9.32	10.17	11.25	12.89		
	600	3.87	3.99	4.58	4.72	5.21	5.95	5.36	5.92	6.77	6.12	6.75	7.73	6.28	6.93	7.93	-	6.70	7.40	8.47	9.24	10.22	11.71		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.87	3.99	4.58	4.72	5.21	5.95	5.36	5.92	6.77	6.12	6.75	7.73	6.28	6.93	7.93	-	6.70	7.40	8.47	9.24	10.22	11.71		
	400	3.52	3.63	4.16	4.29	4.73	5.41	4.87	5.38	6.15	5.56	6.14	7.02	5.70	6.30	7.21	-	6.08	6.72	7.69	8.40	9.28	10.64		
	450	3.38	3.49	4.00	4.13	4.55	5.20	4.68	5.17	5.91	5.34	5.90	6.75	5.48	6.05	6.93	-	5.85	6.46	7.40	8.08	8.93	10.23		
	600	3.07	3.17	3.64	3.75	4.14	4.73	4.25	4.70	5.37	4.85	5.36	6.13	4.98	5.50	6.29	-	5.32	5.87	6.72	7.34	8.11	9.30		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.52	3.63	4.16	4.29	4.73	5.41	4.87	5.38	6.15	5.56	6.14	7.02	5.70	6.30	7.21	-	6.08	6.72	7.69	8.40	9.28	10.64		
	400	3.20	3.30	3.78	3.90	4.30	4.91	4.43	4.88	5.59	5.05	5.58	6.38	5.18	5.72	6.55	-	5.53	6.11	6.99	7.63	8.43	9.67		
	450	3.07	3.17	3.64	3.75	4.14	4.73	4.25	4.70	5.37	4.85	5.36	6.13	4.98	5.50	6.29	-	5.32	5.87	6.72	7.34	8.11	9.30		
	600	2.79	2.88	3.30	3.41	3.76	4.29	3.87	4.27	4.88	4.41	4.87	5.57	4.53	5.00	5.72	-	4.83	5.33	6.11	6.67	7.37	8.45		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		

TABLE 6.2

MEDIUM WIND ZONE | 32<VR<37 M/S

CPI = 0.2		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	4.03	4.15	4.77	4.91	5.42	6.19	5.58	6.16	7.03	6.36	7.03	8.04	6.53	7.21	8.25	-	6.97	7.70	8.80	9.62	10.63	12.17		
	400	3.66	3.77	4.33	4.46	4.93	5.62	5.07	5.59	6.39	5.78	6.38	7.30	5.93	6.55	7.49	-	6.33	6.99	8.00	8.74	9.66	11.06		
	450	3.52	3.63	4.16	4.29	4.74	5.41	4.87	5.38	6.14	5.56	6.14	7.02	5.70	6.30	7.20	-	6.09	6.72	7.69	8.40	9.29	10.63		
	600	3.20	3.30	3.78	3.90	4.30	4.91	4.43	4.89	5.58	5.05	5.58	6.38	5.18	5.72	6.54	5.55	5.53	6.11	6.99	7.63	8.44	9.66		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.3		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.52	3.63	4.16	4.29	4.74	5.41	4.87	5.38	6.14	5.56	6.14	7.02	5.70	6.30	7.20	-	6.09	6.72	7.69	8.40	9.29	10.63		
	400	3.20	3.30	3.78	3.90	4.30	4.91	4.43	4.89	5.58	5.05	5.58	6.38	5.18	5.72	6.54	-	5.53	6.11	6.99	7.63	8.44	9.66		
	450	3.07	3.17	3.64	3.75	4.14	4.72	4.26	4.70	5.37	4.86	5.36	6.13	4.98	5.50	6.29	-	5.32	5.87	6.72	7.34	8.11	9.29		
	600	2.79	2.88	3.30	3.41	3.76	4.29	3.87	4.27	4.88	4.41	4.87	5.57	4.53	5.00	5.72	4.85	4.83	5.34	6.10	6.67	7.37	8.44		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.6		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.79	2.88	3.30	3.41	3.76	4.29	3.87	4.27	4.88	4.41	4.87	5.57	4.53	5.00	5.72	-	4.83	5.34	6.10	6.67	7.37	8.44		
	400	2.54	2.62	3.00	3.10	3.42	3.90	3.51	3.88	4.43	4.01	4.43	5.06	4.11	4.54	5.19	-	4.39	4.85	5.55	6.06	6.70	7.67		
	450	2.44	2.52	2.89	2.98	3.28	3.75	3.38	3.73	4.26	3.85	4.26	4.87	3.95	4.37	4.99	-	4.22	4.66	5.33	5.83	6.44	7.37		
	600	2.22	2.29	2.62	2.70	2.98	3.41	3.07	3.39	3.87	3.50	3.87	4.42	3.59	3.97	4.54	3.85	3.83	4.24	4.85	5.29	5.85	6.70		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.8		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.54	2.62	3.00	3.10	3.42	3.90	3.51	3.88	4.43	4.01	4.43	5.06	4.11	4.54	5.19	-	4.39	4.85	5.55	6.06	6.70	7.67		
	400	2.31	2.38	2.73	2.81	3.10	3.54	3.19	3.52	4.03	3.64	4.02	4.60	3.74	4.13	4.72	-	3.99	4.40	5.04	5.50	6.08	6.96		
	450	2.22	2.29	2.62	2.70	2.98	3.41	3.07	3.39	3.87	3.50	3.87	4.42	3.59	3.97	4.54	-	3.83	4.24	4.85	5.29	5.85	6.70		
	600	2.01	2.08	2.38	2.46	2.71	3.09	2.79	3.08	3.52	3.18	3.51	4.02	3.26	3.61	4.12	3.50	3.48	3.85	4.40	4.81	5.32	6.08		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.2		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	5.08	5.23	6.00	6.19	6.83	7.80	7.03	7.76	8.87	8.02	8.85	10.13	8.23	9.09	10.40	-	8.78	9.70	11.10	12.12	13.40	15.36		
	400	4.61	4.75	5.46	5.63	6.21	7.09	6.39	7.05	8.06	7.29	8.05	9.21	7.48	8.26	9.45	-	7.98	8.81	10.09	11.01	12.17	13.95		
	450	4.43	4.57	5.25	5.41	5.97	6.82	6.14	6.78	7.75	7.00	7.74	8.85	7.19	7.94	9.08	-	7.67	8.47	9.70	10.59	11.70	13.42		
	600	4.03	4.15	4.77	4.91	5.42	6.19	5.58	6.16	7.04	6.36	7.03	8.04	6.53	7.21	8.25	-	6.97	7.70	8.81	9.62	10.63	12.19		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.3		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	4.43	4.57	5.25	5.41	5.97	6.82	6.14	6.78	7.75	7.00	7.74	8.85	7.19	7.94	9.08	-	7.67	8.47	9.70	10.59	11.70	13.42		
	400	4.03	4.15	4.77	4.91	5.42	6.19	5.58	6.16	7.04	6.36	7.03	8.04	6.53	7.21	8.25	-	6.97	7.70	8.81	9.62	10.63	12.19		
	450	3.87	3.99	4.58	4.72	5.21	5.96	5.36	5.92	6.77	6.12	6.76	7.73	6.28	6.93	7.93	-	6.70	7.40	8.47	9.25	10.22	11.72		
	600	3.52	3.63	4.16	4.29	4.74	5.41	4.87	5.38	6.15	5.56	6.14	7.02	5.70	6.30	7.21	-	6.09	6.72	7.70	8.40	9.29	10.65		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.6		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.52	3.63	4.16	4.29	4.74	5.41	4.87	5.38	6.15	5.56	6.14	7.02	5.70	6.30	7.21	-	6.09	6.72	7.70	8.40	9.29	10.65		
	400	3.20	3.30	3.78	3.90	4.30	4.92	4.43	4.89	5.59	5.05	5.58	6.38	5.18	5.72	6.55	-	5.53	6.11	6.99	7.63	8.44	9.67		
	450	3.07	3.17	3.64	3.75	4.14	4.73	4.26	4.70	5.37	4.86	5.36	6.14	4.98	5.50	6.30	-	5.32	5.87	6.72	7.34	8.11	9.30		
	600	2.79	2.88	3.30	3.41	3.76	4.30	3.87	4.27	4.88	4.41	4.87	5.58	4.53	5.00	5.72	-	4.83	5.34	6.11	6.67	7.37	8.45		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.8		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.20	3.30	3.78	3.90	4.30	4.92	4.43	4.89	5.59	5.05	5.58	6.38	5.18	5.72	6.55	-	5.53	6.11	6.99	7.63	8.44	9.67		
	400	2.91	3.00	3.44	3.54	3.91	4.47	4.02	4.44	5.08	4.59	5.07	5.80	4.71	5.20	5.95	-	5.03	5.55	6.35	6.94	7.67	8.79		
	450	2.79	2.88	3.30	3.41	3.76	4.30	3.87	4.27	4.88	4.41	4.87	5.58	4.53	5.00	5.72	-	4.83	5.34	6.11	6.67	7.37	8.45		
	600	2.54	2.62	3.00	3.10	3.42	3.90	3.51	3.88	4.44	4.01	4.43	5.07	4.11	4.54	5.20	-	4.39	4.85	5.55	6.06	6.70	7.68		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		

See notes 4.3 SRP™ Stud Height Tables

TABLE 6.3

HIGH Wind Zone | $37 < V_r < 44$ m/s

CPI = 0.20		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	3.50	3.61	4.14	4.27	4.71	5.38	4.85	5.35	6.12	5.53	6.11	6.99	5.68	6.27	7.17	-	6.06	6.69	7.66	8.36	9.24	10.58
	400	3.18	3.28	3.76	3.88	4.28	4.89	4.41	4.86	5.56	5.03	5.55	6.35	5.16	5.70	6.51	-	5.50	6.08	6.96	7.60	8.40	9.61
	450	3.06	3.15	3.62	3.73	4.12	4.70	4.24	4.68	5.34	4.83	5.34	6.10	4.96	5.48	6.26	-	5.29	5.85	6.69	7.31	8.08	9.24
	600	2.78	2.87	3.29	3.39	3.74	4.27	3.85	4.25	4.85	4.39	4.85	5.55	4.51	4.98	5.69	4.83	4.81	5.31	6.08	6.64	7.34	8.40
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63
CPI = 0.30		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	3.06	3.15	3.62	3.73	4.12	4.70	4.24	4.68	5.34	4.83	5.34	6.10	4.96	5.48	6.26	-	5.29	5.85	6.69	7.31	8.08	9.24
	400	2.78	2.87	3.29	3.39	3.74	4.27	3.85	4.25	4.85	4.39	4.85	5.55	4.51	4.98	5.69	-	4.81	5.31	6.08	6.64	7.34	8.40
	450	2.67	2.76	3.16	3.26	3.60	4.11	3.70	4.09	4.67	4.22	4.66	5.33	4.33	4.78	5.47	-	4.62	5.11	5.84	6.38	7.05	8.07
	600	2.43	2.50	2.87	2.96	3.27	3.73	3.36	3.71	4.24	3.84	4.24	4.84	3.94	4.35	4.97	4.22	4.20	4.64	5.31	5.80	6.41	7.34
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63
CPI = 0.60		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	2.43	2.50	2.87	2.96	3.27	3.73	3.36	3.71	4.24	3.84	4.24	4.84	3.94	4.35	4.97	-	4.20	4.64	5.31	5.80	6.41	7.34
	400	2.21	2.27	2.61	2.69	2.97	3.39	3.06	3.37	3.85	3.49	3.85	4.40	3.58	3.95	4.52	-	3.82	4.22	4.82	5.27	5.82	6.67
	450	2.12	2.19	2.51	2.59	2.86	3.26	2.94	3.24	3.70	3.35	3.70	4.23	3.44	3.80	4.34	-	3.67	4.05	4.64	5.07	5.60	6.41
	600	1.93	1.99	2.28	2.35	2.59	2.96	2.67	2.95	3.37	3.05	3.36	3.84	3.12	3.45	3.95	3.35	3.33	3.68	4.21	4.60	5.09	5.82
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63
CPI = 0.80		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	2.21	2.27	2.61	2.69	2.97	3.39	3.06	3.37	3.85	3.49	3.85	4.40	3.58	3.95	4.52	-	3.82	4.22	4.82	5.27	5.82	6.67
	400	2.00	2.07	2.37	2.45	2.70	3.08	2.78	3.06	3.50	3.17	3.50	4.00	3.25	3.59	4.10	-	3.47	3.83	4.38	4.79	5.29	6.06
	450	1.93	1.99	2.28	2.35	2.59	2.96	2.67	2.95	3.37	3.05	3.36	3.84	3.12	3.45	3.95	-	3.33	3.68	4.21	4.60	5.09	5.82
	600	1.75	1.81	2.07	2.14	2.36	2.69	2.42	2.68	3.06	2.77	3.06	3.49	2.84	3.13	3.59	3.04	3.03	3.35	3.83	4.18	4.62	5.29
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63
CPI = 0.20		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	4.41	4.55	5.22	5.38	5.94	6.79	6.11	6.75	7.71	6.97	7.70	8.81	7.15	7.90	9.04	-	7.63	8.43	9.65	10.54	11.65	13.35
	400	4.01	4.13	4.74	4.89	5.40	6.17	5.55	6.13	7.01	6.33	7.00	8.00	6.50	7.18	8.21	-	6.94	7.66	8.77	9.57	10.58	12.13
	450	3.86	3.98	4.56	4.70	5.19	5.93	5.34	5.89	6.74	6.09	6.73	7.70	6.25	6.90	7.90	-	6.67	7.37	8.43	9.21	10.18	11.66
	600	3.50	3.61	4.14	4.27	4.72	5.39	4.85	5.35	6.12	5.53	6.11	6.99	5.68	6.27	7.18	-	6.06	6.69	7.66	8.36	9.24	10.60
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11
CPI = 0.30		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	3.86	3.98	4.56	4.70	5.19	5.93	5.34	5.89	6.74	6.09	6.73	7.70	6.25	6.90	7.90	-	6.67	7.37	8.43	9.21	10.18	11.66
	400	3.50	3.61	4.14	4.27	4.72	5.39	4.85	5.35	6.12	5.53	6.11	6.99	5.68	6.27	7.18	-	6.06	6.69	7.66	8.36	9.24	10.60
	450	3.37	3.47	3.98	4.11	4.53	5.18	4.66	5.15	5.89	5.32	5.88	6.72	5.46	6.03	6.90	-	5.83	6.44	7.37	8.04	8.89	10.19
	600	3.06	3.16	3.62	3.73	4.12	4.71	4.24	4.68	5.35	4.83	5.34	6.11	4.96	5.48	6.27	-	5.29	5.85	6.69	7.31	8.08	9.26
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11
CPI = 0.60		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	3.06	3.16	3.62	3.73	4.12	4.71	4.24	4.68	5.35	4.83	5.34	6.11	4.96	5.48	6.27	-	5.29	5.85	6.69	7.31	8.08	9.26
	400	2.78	2.87	3.29	3.39	3.74	4.28	3.85	4.25	4.86	4.39	4.85	5.55	4.51	4.98	5.70	-	4.81	5.31	6.08	6.64	7.34	8.41
	450	2.67	2.76	3.16	3.26	3.60	4.11	3.70	4.09	4.67	4.22	4.66	5.34	4.33	4.79	5.48	-	4.62	5.11	5.85	6.38	7.06	8.09
	600	2.43	2.50	2.87	2.96	3.27	3.73	3.36	3.71	4.24	3.84	4.24	4.85	3.94	4.35	4.98	-	4.20	4.64	5.31	5.80	6.41	7.35
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11
CPI = 0.80		STUD SIZE		50.8		63.5		75		89		92		WW92	100		150						
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15			
	300	2.78	2.87	3.29	3.39	3.74	4.28	3.85	4.25	4.86	4.39	4.85	5.55	4.51	4.98	5.70	-	4.81	5.31	6.08	6.64	7.34	8.41
	400	2.53	2.60	2.99	3.08	3.40	3.88	3.50	3.86	4.41	3.99	4.41	5.04	4.09	4.52	5.17	-	4.37	4.83	5.52	6.03	6.67	7.64
	450	2.43	2.50	2.87	2.96	3.27	3.73	3.36	3.71	4.24	3.84	4.24	4.85	3.94	4.35	4.98	-	4.20	4.64	5.31	5.80	6.41	7.35
	600	2.21	2.28	2.61	2.69	2.97	3.39	3.06	3.37	3.86	3.49	3.85	4.40	3.58	3.95	4.52	-	3.82	4.22	4.83	5.27	5.82	6.68
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11

TABLE 6.4

VERY HIGH Wind Zone | $44 < V_r < 50$ m/s

CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	3.22	3.32	3.81	3.93	4.33	4.95	4.46	4.92	5.62	5.08	5.62	6.42	5.22	5.76	6.59	-	5.57	6.15	7.04	7.69	8.50	9.72			
	400	2.92	3.01	3.46	3.57	3.94	4.49	4.05	4.47	5.11	4.62	5.10	5.83	4.74	5.23	5.99	-	5.06	5.59	6.39	6.98	7.72	8.83			
	450	2.81	2.90	3.33	3.43	3.78	4.32	3.89	4.30	4.91	4.44	4.91	5.61	4.56	5.03	5.76	-	4.86	5.37	6.15	6.71	7.42	8.49			
	600	2.55	2.63	3.02	3.12	3.44	3.92	3.54	3.90	4.46	4.04	4.46	5.10	4.14	4.57	5.23	4.44	4.42	4.88	5.58	6.10	6.74	7.72			
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63			
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	2.81	2.90	3.33	3.43	3.78	4.32	3.89	4.30	4.91	4.44	4.91	5.61	4.56	5.03	5.76	-	4.86	5.37	6.15	6.71	7.42	8.49			
	400	2.55	2.63	3.02	3.12	3.44	3.92	3.54	3.90	4.46	4.04	4.46	5.10	4.14	4.57	5.23	-	4.42	4.88	5.58	6.10	6.74	7.72			
	450	2.46	2.53	2.91	3.00	3.31	3.77	3.40	3.75	4.29	3.88	4.29	4.90	3.98	4.40	5.03	-	4.25	4.69	5.37	5.86	6.48	7.42			
	600	2.23	2.30	2.64	2.72	3.00	3.43	3.09	3.41	3.90	3.53	3.89	4.45	3.62	4.00	4.57	3.88	3.86	4.26	4.88	5.33	5.89	6.74			
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63			
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	2.23	2.30	2.64	2.72	3.00	3.43	3.09	3.41	3.90	3.53	3.89	4.45	3.62	4.00	4.57	-	3.86	4.26	4.88	5.33	5.89	6.74			
	400	2.03	2.09	2.40	2.47	2.73	3.12	2.81	3.10	3.54	3.20	3.54	4.04	3.29	3.63	4.15	-	3.51	3.87	4.43	4.84	5.35	6.13			
	450	1.95	2.01	2.31	2.38	2.62	3.00	2.70	2.98	3.40	3.08	3.40	3.89	3.16	3.49	3.99	-	3.37	3.72	4.26	4.65	5.15	5.89			
	600	1.77	1.83	2.10	2.16	2.38	2.72	2.45	2.71	3.09	2.80	3.09	3.53	2.87	3.17	3.63	3.08	3.06	3.38	3.87	4.23	4.68	5.35			
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63			
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	2.03	2.09	2.40	2.47	2.73	3.12	2.81	3.10	3.54	3.20	3.54	4.04	3.29	3.63	4.15	-	3.51	3.87	4.43	4.84	5.35	6.13			
	400	1.84	1.90	2.18	2.25	2.48	2.83	2.55	2.82	3.22	2.91	3.21	3.67	2.99	3.30	3.77	-	3.19	3.52	4.03	4.40	4.86	5.57			
	450	1.77	1.83	2.10	2.16	2.38	2.72	2.45	2.71	3.09	2.80	3.09	3.53	2.87	3.17	3.63	-	3.06	3.38	3.87	4.23	4.68	5.35			
	600	1.61	1.66	1.90	1.96	2.17	2.47	2.23	2.46	2.81	2.54	2.81	3.21	2.61	2.88	3.29	2.80	2.78	3.07	3.52	3.84	4.25	4.86			
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63			
CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	4.06	4.18	4.80	4.95	5.46	6.24	5.62	6.20	7.09	6.41	7.08	8.10	6.57	7.26	8.31	-	7.02	7.75	8.87	9.68	10.70	12.27			
	400	3.69	3.80	4.36	4.49	4.96	5.67	5.10	5.63	6.44	5.82	6.43	7.36	5.97	6.60	7.55	-	6.37	7.04	8.06	8.80	9.73	11.15			
	450	3.54	3.65	4.19	4.32	4.77	5.45	4.91	5.42	6.19	5.60	6.18	7.07	5.74	6.34	7.26	-	6.13	6.77	7.75	8.46	9.35	10.72			
	600	3.22	3.32	3.81	3.93	4.33	4.95	4.46	4.92	5.63	5.09	5.62	6.43	5.22	5.76	6.59	-	5.57	6.15	7.04	7.69	8.50	9.74			
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11			
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	3.54	3.65	4.19	4.32	4.77	5.45	4.91	5.42	6.19	5.60	6.18	7.07	5.74	6.34	7.26	-	6.13	6.77	7.75	8.46	9.35	10.72			
	400	3.22	3.32	3.81	3.93	4.33	4.95	4.46	4.92	5.63	5.09	5.62	6.43	5.22	5.76	6.59	-	5.57	6.15	7.04	7.69	8.50	9.74			
	450	3.10	3.19	3.66	3.78	4.17	4.76	4.29	4.73	5.41	4.89	5.40	6.18	5.02	5.54	6.34	-	5.35	5.91	6.77	7.39	8.17	9.36			
	600	2.81	2.90	3.33	3.43	3.79	4.32	3.89	4.30	4.91	4.44	4.91	5.61	4.56	5.03	5.76	-	4.86	5.37	6.15	6.71	7.42	8.51			
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11			
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	2.81	2.90	3.33	3.43	3.79	4.32	3.89	4.30	4.91	4.44	4.91	5.61	4.56	5.03	5.76	-	4.86	5.37	6.15	6.71	7.42	8.51			
	400	2.56	2.63	3.02	3.12	3.44	3.93	3.54	3.91	4.47	4.04	4.46	5.10	4.14	4.57	5.23	-	4.42	4.88	5.59	6.10	6.74	7.73			
	450	2.46	2.53	2.91	3.00	3.31	3.78	3.40	3.75	4.29	3.88	4.29	4.90	3.98	4.40	5.03	-	4.25	4.69	5.37	5.87	6.48	7.43			
	600	2.23	2.30	2.64	2.72	3.00	3.43	3.09	3.41	3.90	3.53	3.89	4.46	3.62	4.00	4.57	-	3.86	4.26	4.88	5.33	5.89	6.75			
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11			
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150			
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15
	300	2.56	2.63	3.02	3.12	3.44	3.93	3.54	3.91	4.47	4.04	4.46	5.10	4.14	4.57	5.23	-	4.42	4.88	5.59	6.10	6.74	7.73			
	400	2.32	2.39	2.75	2.83	3.12	3.57	3.21	3.55	4.06	3.67	4.05	4.63	3.76	4.16	4.76	-	4.02	4.44	5.08	5.54	6.13	7.02			
	450	2.23	2.30	2.64	2.72	3.00	3.43	3.09	3.41	3.90	3.53	3.89	4.46	3.62	4.00	4.57	-	3.86	4.26	4.88	5.33	5.89	6.75			
	600	2.03	2.09	2.40	2.47	2.73	3.12	2.81	3.10	3.54	3.20	3.54	4.05	3.29	3.63	4.15	-	3.51	3.87	4.44	4.84	5.35	6.14			
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11			

See notes 4.3 SRP™ Stud Height Tables

TABLE 6.5

EXTRA HIGH Wind Zone | $50 < V_r < 55$ m/s

CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.07	3.17	3.64	3.75	4.14	4.72	4.26	4.70	5.37	4.86	5.36	6.13	4.98	5.50	6.29	-	5.32	5.87	6.72	7.34	8.11	9.29		
	400	2.79	2.88	3.30	3.41	3.76	4.29	3.87	4.27	4.88	4.41	4.87	5.57	4.53	5.00	5.72	-	4.83	5.34	6.10	6.67	7.37	8.44		
	450	2.69	2.77	3.18	3.28	3.61	4.13	3.72	4.10	4.69	4.24	4.68	5.36	4.35	4.81	5.50	-	4.65	5.13	5.87	6.41	7.09	8.11		
	600	2.44	2.52	2.89	2.98	3.28	3.75	3.38	3.73	4.26	3.85	4.26	4.87	3.95	4.37	4.99	4.24	4.22	4.66	5.33	5.83	6.44	7.37		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.69	2.77	3.18	3.28	3.61	4.13	3.72	4.10	4.69	4.24	4.68	5.36	4.35	4.81	5.50	-	4.65	5.13	5.87	6.41	7.09	8.11		
	400	2.44	2.52	2.89	2.98	3.28	3.75	3.38	3.73	4.26	3.85	4.26	4.87	3.95	4.37	4.99	-	4.22	4.66	5.33	5.83	6.44	7.37		
	450	2.35	2.42	2.78	2.86	3.16	3.60	3.25	3.59	4.10	3.71	4.09	4.68	3.80	4.20	4.80	-	4.06	4.48	5.13	5.60	6.19	7.09		
	600	2.13	2.20	2.52	2.60	2.87	3.27	2.95	3.26	3.72	3.37	3.72	4.25	3.45	3.82	4.36	3.70	3.69	4.07	4.66	5.09	5.63	6.44		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.13	2.20	2.52	2.60	2.87	3.27	2.95	3.26	3.72	3.37	3.72	4.25	3.45	3.82	4.36	-	3.69	4.07	4.66	5.09	5.63	6.44		
	400	1.94	2.00	2.29	2.36	2.61	2.98	2.68	2.96	3.38	3.06	3.38	3.86	3.14	3.47	3.96	-	3.35	3.70	4.23	4.62	5.11	5.85		
	450	1.86	1.92	2.20	2.27	2.51	2.86	2.58	2.85	3.25	2.94	3.25	3.71	3.02	3.33	3.81	-	3.22	3.56	4.07	4.45	4.91	5.62		
	600	1.69	1.74	2.00	2.06	2.28	2.60	2.34	2.59	2.95	2.67	2.95	3.37	2.74	3.03	3.46	2.94	2.93	3.23	3.70	4.04	4.46	5.11		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Single Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	1.94	2.00	2.29	2.36	2.61	2.98	2.68	2.96	3.38	3.06	3.38	3.86	3.14	3.47	3.96	-	3.35	3.70	4.23	4.62	5.11	5.85		
	400	1.76	1.81	2.08	2.15	2.37	2.70	2.44	2.69	3.07	2.78	3.07	3.51	2.85	3.15	3.60	-	3.04	3.36	3.85	4.20	4.64	5.32		
	450	1.69	1.74	2.00	2.06	2.28	2.60	2.34	2.59	2.95	2.67	2.95	3.37	2.74	3.03	3.46	-	2.93	3.23	3.70	4.04	4.46	5.11		
	600	1.54	1.58	1.82	1.87	2.07	2.36	2.13	2.35	2.68	2.43	2.68	3.07	2.49	2.75	3.15	2.67	2.66	2.94	3.36	3.67	4.06	4.64		
IMPACT LIMIT		1.64	1.72	2.11	2.21	2.51	2.86	2.58	2.85	3.26	2.95	3.25	3.72	3.02	3.34	3.82	3.24	3.23	3.56	4.08	4.45	4.92	5.63		
CPI = 0.20		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.87	3.99	4.58	4.72	5.21	5.96	5.36	5.92	6.77	6.12	6.76	7.73	6.28	6.93	7.93	-	6.70	7.40	8.47	9.25	10.22	11.72		
	400	3.52	3.63	4.16	4.29	4.74	5.41	4.87	5.38	6.15	5.56	6.14	7.02	5.70	6.30	7.21	-	6.09	6.72	7.70	8.40	9.29	10.65		
	450	3.38	3.49	4.00	4.13	4.55	5.20	4.69	5.17	5.91	5.35	5.90	6.75	5.48	6.06	6.93	-	5.85	6.47	7.40	8.08	8.93	10.24		
	600	3.07	3.17	3.64	3.75	4.14	4.73	4.26	4.70	5.37	4.86	5.36	6.14	4.98	5.50	6.30	-	5.32	5.87	6.72	7.34	8.11	9.30		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.30		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	3.38	3.49	4.00	4.13	4.55	5.20	4.69	5.17	5.91	5.35	5.90	6.75	5.48	6.06	6.93	-	5.85	6.47	7.40	8.08	8.93	10.24		
	400	3.07	3.17	3.64	3.75	4.14	4.73	4.26	4.70	5.37	4.86	5.36	6.14	4.98	5.50	6.30	-	5.32	5.87	6.72	7.34	8.11	9.30		
	450	2.96	3.05	3.50	3.61	3.98	4.55	4.09	4.52	5.17	4.67	5.16	5.90	4.79	5.29	6.06	-	5.11	5.65	6.47	7.06	7.80	8.94		
	600	2.69	2.77	3.18	3.28	3.62	4.13	3.72	4.11	4.69	4.24	4.69	5.36	4.35	4.81	5.50	-	4.65	5.13	5.87	6.41	7.09	8.13		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.60		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.69	2.77	3.18	3.28	3.62	4.13	3.72	4.11	4.69	4.24	4.69	5.36	4.35	4.81	5.50	-	4.65	5.13	5.87	6.41	7.09	8.13		
	400	2.44	2.52	2.89	2.98	3.28	3.75	3.38	3.73	4.26	3.85	4.26	4.87	3.96	4.37	5.00	-	4.22	4.66	5.34	5.83	6.44	7.38		
	450	2.35	2.42	2.78	2.86	3.16	3.61	3.25	3.59	4.10	3.71	4.09	4.68	3.80	4.20	4.81	-	4.06	4.48	5.13	5.60	6.19	7.10		
	600	2.13	2.20	2.52	2.60	2.87	3.28	2.95	3.26	3.73	3.37	3.72	4.26	3.46	3.82	4.37	-	3.69	4.07	4.66	5.09	5.63	6.45		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		
CPI = 0.80		STUD SIZE		50.8			63.5			75			89			92			WW92	100			150		
Boxed Stud	Stud Centres\BMT	0.50	0.55	0.50	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.75	1.15	0.55	0.55	0.75	1.15	0.55	0.75	1.15		
	300	2.44	2.52	2.89	2.98	3.28	3.75	3.38	3.73	4.26	3.85	4.26	4.87	3.96	4.37	5.00	-	4.22	4.66	5.34	5.83	6.44	7.38		
	400	2.22	2.29	2.62	2.70	2.98	3.41	3.07	3.39	3.87	3.50	3.87	4.43	3.59	3.97	4.54	-	3.83	4.24	4.85	5.29	5.85	6.71		
	450	2.13	2.20	2.52	2.60	2.87	3.28	2.95	3.26	3.73	3.37	3.72	4.26	3.46	3.82	4.37	-	3.69	4.07	4.66	5.09	5.63	6.45		
	600	1.94	2.00	2.29	2.36	2.61	2.98	2.68	2.96	3.38	3.06	3.38	3.87	3.14	3.47	3.97	-	3.35	3.70	4.24	4.62	5.11	5.86		
IMPACT LIMIT		2.33	2.42	2.78	2.87	3.16	3.61	3.25	3.59	4.11	3.71	4.10	4.69	3.81	4.21	4.81	-	4.06	4.49	5.14	5.61	6.20	7.11		

4.3 SRP™ STUD HEIGHT TABLES 6.1 – 6.5 NOTES

1. For walls greater than 4m height, contact SRP™ as a specific engineering design may be required. **NOTE: Maximum wall heights may require further design for some structures, and it is the responsibility of the specifier to ensure adequate serviceability considerations are given to higher walls.**
2. Maximum SRP™ Stud Heights for Wind Zone as specified for varying SRP™ Stud sizes, Cpi values and maximum SRP™ Stud centres. Closer SRP™ Stud centres may be used if required.
3. For structural and/or serviceability purposes use SRP™ Continuous Nog Tracks
4. Tables are for internal partition [non-load bearing] walls only, subject to lateral wind pressures. No consideration has been given to any applied horizontal or vertical loads from shelving or other wall-hung/attached objects aside from self-weight of the wall and its linings. Any applied horizontal or vertical load will require specific engineering design.
5. BMT = Base metal thickness, TCT = Total coated thickness.
6. All loads calculated in accordance with the requirements of AS/NZS 1170. Council supplied Wind Zone information may be used for structures of one to two storeys. For structures greater than two storeys, use SRP™ Wind Zone Table [TABLE 5], or seek advice from SRP™ and/or a structural engineer.
7. Calculations for strength and serviceability undertaken to the requirements of AS/NZS4600.
8. Material as per AS1397 G250 Z275 steel [or greater].
9. Serviceability calculations undertaken with a deflection limit of SRP™ Stud height/200 under serviceability wind load in accordance with the requirements of AS/NZS1170.0 – Table C1.
10. Serviceability calculations undertaken for soft body impact load in accordance with AS/NZS1170.0 – Table C1 to a deflection limit of SRP™ Stud height/200 or 12mm, whichever is the lesser.
11. The requirement for potential disturbance due to soft body impact loads should be carefully considered for each given wall type/location. The limit for soft body impact loads are given in the tables and it is the responsibility of the specifier to determine its requirement in the specific design application for each wall structure.
12. Consideration has not been given for fire. Specialist fire engineering will also be required for FRR walls.
13. Specific engineering design required for buildings with IL4 or IL5.
14. Tables are applicable for either single/double steel frame or staggered wall options with minimum 10mm Plasterboard* applied to each external face in accordance with Manufacturers' requirements [see FIGURE 8, FIGURE 9 and FIGURE 10].
15. All walls to be lined both sides to minimum 80% of the floor to soffit height. For one side only lined service shaft walls, other single lined walls or both side lined walls to less than 80% floor to soffit height, double up on the SRP™ Studs by using boxed/back to back SRP™ Studs, or halved SRP™ Stud centre to centre spacing to be used as a minimum.
16. Determination of Cpi should be undertaken by a suitably experienced designer familiar with the requirements of AS/NZS1170.2. If the designer is in doubt as to the selection of this figure, the advice of SRP™ and/or a structural engineer should be sought.
17. Storage and installation should be in strict accordance with the SRP™ Product Catalogue and project specific design documentation.
18. Designers should factor in the effects of temperature and creep when selecting SRP™ Stud size.
19. SRP™ Stud Height Tables assume adequate capacity within overall building structure to withstand design loads applied from Steel SRP™ Stud Framing. This should be confirmed by the project Structural Engineer.
20. Maximum size of additional site created service holes to be max 15mm diameter. All holes must be 300mm centres apart, in all cases. Maximum of two additional holes per SRP™ Stud are allowed.
21. For more information, please contact SRP™ Ltd on 09-579 0175

*Standard GIB® plasterboard is assumed, performance and/or specialty boards may also be used, subject to having equal or better structural properties.

