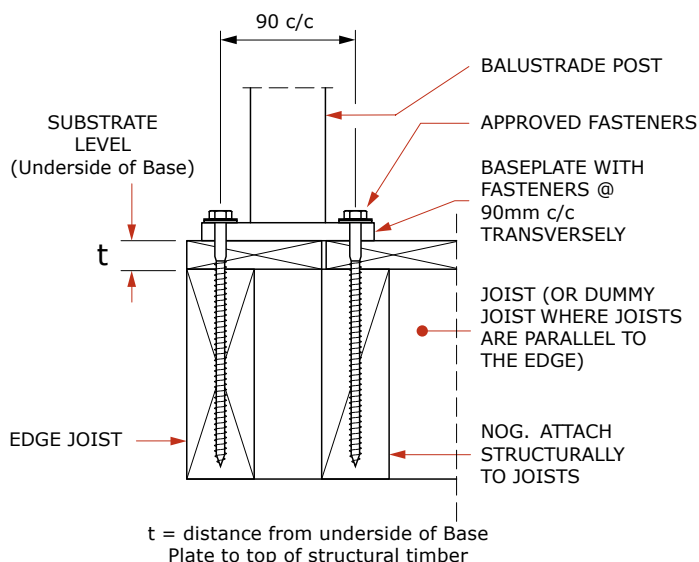


FIXING SPECIFICATIONS

NZBAL-C12.0 | SPEC ID FS.2T.02.00

'VETRO' (NO RAIL) - RESIDENTIAL ONLY, WET T/FIX, 90MM CRS

Refer to all notes on Pages 72 and 73 which shall apply to this specification and the relevant pages in Chapter 5 Installation Guides. Refer also to Chapter 2 for the Style Specification.



- For details of approved fasteners refer to General Notes on Page 72 note 3.
- Washers to be fitted under screw and bolt heads shall be as follows
 - For 6mm fasteners - washer supplied with fasteners.
 - For FC8-165 fasteners - washer supplied with fasteners.
 - For 8mm bolts - 22mm O.D. S/S washer (Part No. FW8-22) with a polymer washer (Part No. FWP8-22G) between the S/S and the aluminium.
 - For Washers bearing against timber use 50 x 50 x 3mm stainless steel washers Part No FW10-50SQ.
- Substrate design including waterproofing and the structural design of the timber substrate and its connections are not included in this specification and must be carried out by others.
- Important, the FC8-165 coachscrews in this specification are to be used with the "Sika Supergrip 2 Hour" adhesive system (TASG).
- This specification is only applicable when used with **Vetro style on residential applications.**

		MAXIMUM POST CENTRES 'S max' (metres)																																	
		ALWAYS TAKE THE LESSER OF THE VALUE BELOW AND THE VALUE FROM THE STYLE SPECIFICATION																																	
Height ⁽³⁾	Baseplate Size D x W	Fasteners - Qty and Type ⁽²⁾	't' (See diagram)	Line No.	LOADING CLASS ⁽¹⁾																														
					N07C/N07R - Residential Only								N03R	Not Preventing Fall																					
					Design Wind Speed ⁽⁴⁾									Design Wind Speed ⁽⁴⁾																					
					VH				EH					M		H		VH		EH															
50				52				54				56				38		40		42		44		46		48		50		52		54		56	
1.0	115 x 105	4 x FC8-165	19	1	1.68	1.68	1.62	1.51	1.41	1.31	1.23	1.16	3.61	2.84	2.84	2.68	2.44	2.24	2.05	1.89	1.75	1.62	1.51												
	115 x 105	4 x FC8-165	25	2	1.62	1.62	1.56	1.45	1.35	1.27	1.19	1.11	3.47	2.73	2.73	2.58	2.35	2.15	1.98	1.82	1.68	1.56	1.45												
	115 x 105	4 x FC8-165	32	3	1.54	1.54	1.49	1.39	1.29	1.21	1.13	1.06	3.31	2.61	2.61	2.46	2.24	2.05	1.89	1.74	1.61	1.49	1.39												
	115 x 105	4 x M8 Bolts	N/A	4	2.05	2.05	1.98	1.84	1.71	1.60	1.50	1.41	4.39	3.46	3.46	3.27	2.98	2.72	2.50	2.31	2.13	1.98	1.84												
1.1	115 x 105	4 x FC8-165	19	5	1.56	1.45	1.34	1.25	1.16	1.09	1.02	0.96	3.61	2.35	2.35	2.22	2.02	1.85	1.70	1.56	1.45	1.34	1.25												
	115 x 105	4 x FC8-165	25	6	1.51	1.39	1.29	1.20	1.12	1.05	0.98	0.92	3.47	2.26	2.26	2.13	1.94	1.78	1.63	1.51	1.39	1.29	1.20												
	115 x 105	4 x FC8-165	32	7	1.44	1.33	1.23	1.14	1.07	1.00	0.93	0.88	3.31	2.15	2.15	2.04	1.85	1.70	1.56	1.44	1.33	1.23	1.14												
	115 x 105	4 x M8 Bolts	N/A	8	1.91	1.76	1.63	1.52	1.42	1.32	1.24	1.16	4.39	2.86	2.86	2.70	2.46	2.25	2.07	1.91	1.76	1.63	1.52												
1.2	115 x 105	4 x FC8-165	19	9	1.31	1.22	1.13	1.05	0.98	0.91	0.86	0.80	3.16	1.97	1.97	1.86	1.70	1.55	1.43	1.31	1.22	1.13	1.05												
	115 x 105	4 x FC8-165	25	10	1.27	1.17	1.08	1.01	0.94	0.88	0.82	0.77	3.04	1.90	1.90	1.79	1.63	1.50	1.37	1.27	1.17	1.08	1.01												
	115 x 105	4 x FC8-165	32	11	1.21	1.12	1.03	0.96	0.90	0.84	0.78	0.74	2.90	1.81	1.81	1.71	1.56	1.43	1.31	1.21	1.12	1.03	0.96												
	115 x 105	4 x M8 Bolts	N/A	12	1.60	1.48	1.37	1.28	1.19	1.11	1.04	0.98	3.84	2.40	2.40	2.27	2.07	1.89	1.74	1.60	1.48	1.37	1.28												

1. LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
 2. FASTENER DESIGNATIONS: beginning with 'F' are part numbers for fasteners supplied by UNEX eg. FC8-165: FC = Coach Screw Stainless Steel. 8 = 8mm diameter, 165 = length in mm; Substitution with other fasteners is not permitted.
 3. HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown.
 4. DESIGN WIND SPEED: in m/s, Refer to Pages 51 to 52 for details of applicable wind codes and the methods for determining the Design Wind Speed.

Specifications subject to change without notice