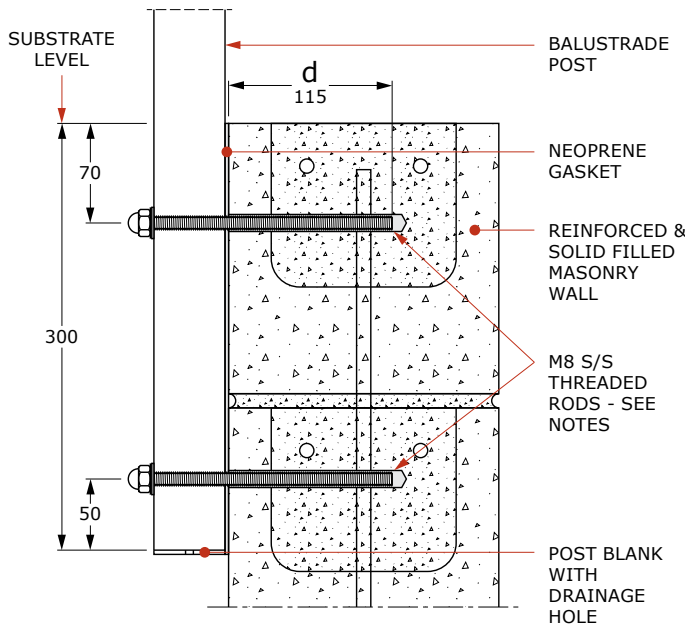


MASONRY - SIDE FIXING, EPOXY-SET ANCHORS

Refer to all notes on Pages 100 and 101 which shall apply to this specification and the relevant pages in Chapter 5 Installation Guides. Refer also to Chapter 2 for the Style Specification.



- Fixings shall be 8mm diameter 316 stainless steel threaded rod epoxied into the masonry wall as shown using EPCON C6 epoxy. The length of the rod shall be the sum of the embedment depth shown plus the post width, washers, neoprene gasket, and 8mm for the nut grip.
- Washers to be fitted under all stud dome nuts as follows
 - For 8mm studs - 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.
- A neoprene adhesive gasket shall be fixed to the post to prevent contact between the masonry and the aluminium post. Part No. SG36-12 for 40mm wide posts, SG42-12 for 50mm wide posts and SG50-12 for 60mm wide posts.
- For details of anchoring studs to the substrate refer to General Notes Page 101 note 6.
- Substrate design, including waterproofing, is beyond the scope of this specification and shall be carried out by others. Infill Concrete shall have a 28 day Compressive Strength of 17.5MPa or more (as required for substrate design). Refer also to General Notes on Page 101 note 10.

MAXIMUM POST CENTRES 'S max' (metres) ALWAYS TAKE THE LESSER OF THE VALUE BELOW AND THE VALUE FROM THE STYLE SPECIFICATION																								
Height ⁽²⁾	Post Type	'd' (See diagram)		LOADING CLASS ⁽¹⁾																				
				N07C/N07R								N/A	Not Preventing Fall											
				Design Wind Speed ⁽³⁾									Design Wind Speed ⁽³⁾											
				VH		EH		EH		EH			M	H		VH		EH						
50	52	54	56	58	60	62	64		38	40	42	44	46	48	50	52	54	56						
1.0	VPH2	115	1	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	2.18	1.99	1.99	1.99	1.99	1.99	1.83	1.69	1.56	1.45	1.35
	VPE	115	2	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.25	2.55	2.50	2.50	2.50	2.50	2.41	2.21	2.04	1.89	1.75	1.63	
	APS	115	3	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.19	2.57	2.34	2.34	2.34	2.34	2.30	2.12	1.95	1.80	1.67	1.55		
	APE	115	4	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.50	2.70	2.65	2.65	2.65	2.65	2.65	2.65	2.45	2.26	2.10	1.95		
1.1	VPH2	115	5	0.93	0.93	0.93	0.93	0.93	0.93	0.91	0.85	1.99	1.82	1.82	1.82	1.80	1.65	1.52	1.40	1.29	1.20	1.11		
	VPE	115	6	1.17	1.17	1.17	1.17	1.17	1.17	1.10	1.03	2.40	2.28	2.28	2.28	2.18	2.00	1.84	1.69	1.56	1.45	1.35		
	APS	115	7	1.10	1.10	1.10	1.10	1.10	1.10	1.05	0.99	2.36	2.14	2.14	2.14	2.08	1.91	1.75	1.61	1.50	1.38	1.29		
	APE	115	8	1.42	1.42	1.42	1.42	1.42	1.41	1.32	1.24	2.55	2.50	2.50	2.50	2.50	2.40	2.20	2.03	1.87	1.74	1.62		
1.2	VPH2	115	9	0.86	0.86	0.86	0.86	0.86	0.82	0.77	0.72	1.84	1.67	1.67	1.67	1.52	1.39	1.28	1.18	1.09	1.01	0.94		
	VPE	115	10	1.08	1.08	1.08	1.08	1.06	0.99	0.93	0.87	2.20	2.10	2.10	2.02	1.84	1.68	1.54	1.42	1.32	1.22	1.14		
	APS	115	11	1.01	1.01	1.01	1.01	1.01	0.94	0.88	0.83	2.17	1.98	1.98	1.92	1.75	1.60	1.47	1.36	1.26	1.17	1.08		
	APE	115	12	1.31	1.31	1.31	1.31	1.27	1.18	1.11	1.04	2.40	2.35	2.35	2.35	2.20	2.02	1.85	1.71	1.58	1.46	1.36		

1. LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
 2. HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown.
 3. 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.