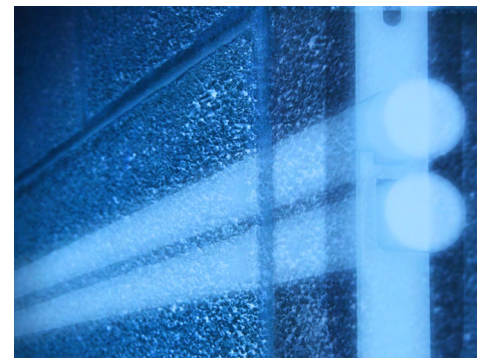
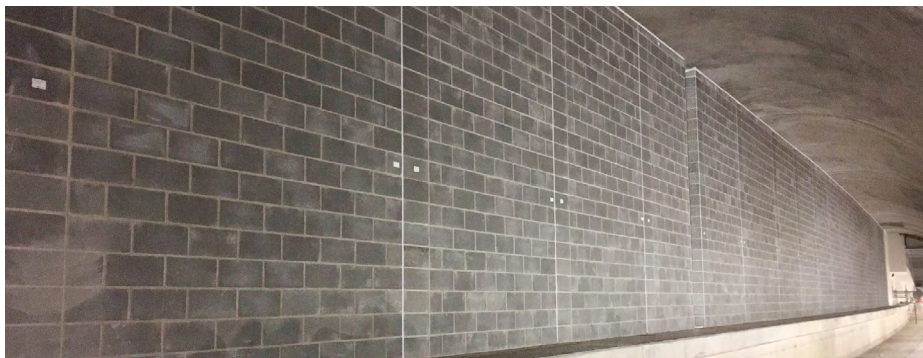


Wi SYSTEM™ HP LOAD TABLES

The Wi Column[®] and Wi Beam[®] by Wembley Innovation are designed to provide lateral support to masonry blockwork infill panels in lieu of structural windposts. Our High Performance Wi Columns and Wi Beams provide added strength through the use of higher grade components which can also be used in more aggressive environments and have a design life of up to 125 years.



Wi Column High Performance

	Maximum factored load (UDL) for height of Wi Column (kN)									
	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
100 WiC HP	38.40	32.00	27.43	24.00	21.33	19.20	-	-	-	-
140 WiC HP	57.60	48.00	41.14	36.00	32.00	28.80	26.18	24.00	22.15	20.57
190 WiC HP	70.40	58.67	50.29	44.00	39.11	35.20	32.00	29.33	27.08	25.14
215 WiC HP	96.00	80.00	68.57	60.00	53.33	48.00	43.64	40.00	36.92	34.29

Wi Beam High Performance

	Maximum factored load (UDL) for length of Wi Beam (kN)														
	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7m	7.5m	8.0m	8.5m	9.0m	9.5m	10m
100 WiB HP	40.00	34.29	30.00	26.67	24.00	21.82	20.00	18.46	17.14	16.00	-	-	-	-	-
140 WiB HP	80.00	68.57	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00
190 WiB HP	106.67	91.43	80.00	71.11	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00
215 WiB HP	106.67	91.43	80.00	71.11	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00

Notes

1. Wi Columns and Wi Beams are designed as "simply supported" with a maximum deflection of span/500.
2. The tables above include the design resistances based on BS EN1996-1 and Lucideon test results.

Contact us for more information

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