

# ULTRAlintel®

## 110 x 80mm Standard Prestressed Ultralintel

SAFE WORKING LOADS (kN/m)  
Based on the strength of the Ultralintel only

	CLEAR OPENING (mm)											
	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
To satisfy L/1000 deflection	10.2	5.7	3.2	2.0	1.4	-	-	-	-	-	-	-
To satisfy L/300 deflection	26.0	11.7	6.3	3.8	2.5	1.7	1.2	-	-	-	-	-

SAFE WORKING LOADS (kN/m)  
Based on the composite strength of the Ultralintel and brickwork only

	CLEAR OPENING (mm)											
	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
To satisfy L/1000 deflection	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
2 courses of standard bricks over the Ultralintel	23.5	17.6	11.5	6.6	4.1	2.6	1.8	1.3	-	-	-	-
4 courses of standard bricks over the Ultralintel	41.4	31	24.8	20.6	17.6	13.4	9.3	6.8	5	3.8	3	2.3
6 courses of standard bricks over the Ultralintel	63.2	47.3	37.8	31.5	27	23.6	20.9	18.8	14.3	11	8.6	6.8

## 110 x 170mm Standard Prestressed Ultralintel

SAFE WORKING LOADS (kN/m)  
Based on the strength of the Ultralintel only

	CLEAR OPENING (mm)											
	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
To satisfy L/1000 deflection	41.3	25.1	12.6	7.1	4.3	2.8	1.8	1.2	-	-	-	-
To satisfy L/300 deflection	41.3	32.0	26.0	18.9	13.8	10.2	7.0	5.0	3.7	2.7	2.0	1.5

SAFE WORKING LOADS (kN/m)  
Based on the composite strength of the Ultralintel and brickwork only

	CLEAR OPENING (mm)											
	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
To satisfy L/1000 deflection	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
2 courses of standard bricks over the Ultralintel	41.3	26.3	16.6	11.4	8.3	6.2	4.6	3.2	2.3	1.7	1.2	-
4 courses of standard bricks over the Ultralintel	48.3	36.1	28.8	23.9	19.8	15.1	11.8	9.5	7.8	6.5	5.2	4.1
6 courses of standard bricks over the Ultralintel	64.3	48.1	38.4	32	27.3	23.9	21.2	17.3	14.2	11.9	10	8.6

The following notes apply to all Ultrafloor Ultraintels:

1. Mortar must be Classification M3 in accordance with AS3700-1998. Ratio of cement to sand must be 1:6 or better.
2. All vertical and horizontal joints must be completely filled with mortar.
3. The surface of the Ultralintel must be moistened, in hot weather, to provide a good key until brickwork has matured.
4. 100mm end bearing for spans less than 1200mm and 150mm end bearing for spans greater than 1200mm assuming a minimum brick crushing strength of 20 MPa.
5. The self-weight of the Ultralintel has been allowed for in the calculations.
6. For load span tables for modular Ultraintels (90x90 and 170x90) please refer to web site [www.ultrafloor.com](http://www.ultrafloor.com)