

# GALINTEL RENDABAR®

(100 x 100)



Galintel Rendabar® is a total load bearing bar, specifically designed to facilitate cement rendering.

The bond between mortar, brickwork and lintel forms a composite beam of superior strength and structural integrity.

The platform leg provides a wide base of support for brickwork and a generous keying area for cement rendering.

## Light weight, rigidity

Galintel Rendabars® are considerably lighter than other forms of lintels, contributing to ease of handling and faster construction and less potential damage to green masonry.

Mortar bonding with the multi-ribbed section locks the Rendabar® firmly to the masonry, providing superior lateral bracing and rigidity.

<b>RENDABAR</b> 100 x 100 x 8 9 kg/m		POINT LOAD (kg) 600mm TRUSS SPACING						
		Span (mm)	900	1200	1500	1800	2100	2400
	Rendabar (mm)	1200	1500	1800	2100	2400	2700	
	Brick courses 3	895	430	510	335	350	235	
	4	1560	710	805	490	470	290	
	5	1875	845	940	570	530	315	
	6	2205	990	1100	655	610	360	

<b>RENDABAR</b> 100 x 100 x 8 9 kg/m		POINT LOAD (kg) 900mm TRUSS SPACING						
		Span (mm)	900	1200	1500	1800	2100	2400
	Rendabar (mm)	1200	1500	1800	2100	2400	2700	
	Brick courses 3	595	570	545	260	290	210	
	4	1040	950	855	380	395	385	
	5	1250	1125	1005	440	445	425	
	6	1470	1320	1170	510	510	480	

<b>RENDABAR</b> 100 x 100 x 8 9 kg/m		DISTRIBUTED LOAD (kg/m)						
		Span (mm)	900	1200	1500	1800	2100	2400
	Rendabar (mm)	1200	1500	1800	2100	2400	2700	
	Brick courses 3	1120	805	615	490	400	330	
	4	1950	1335	965	720	540	410	
	5	2340	1585	1130	825	610	450	
	6	2760	1860	1320	955	700	505	

## Fire-rated Rendabar® – safe load table (100 x 100)

Use this table when a fire resistance rating is required (at least 15mm of cement render must be applied to underside of lintel).

<b>RENDABAR</b> 100 x 100 x 8 9 kg/m		MAXIMUM LOAD (kg/m)						
		Span (mm)	600	900	1200	1500	1800	2100
	Rendabar (mm)	900	1200	1500	1800	2100	2400	
	Fire Resistance Level	60 min	6810	3025	1705	1090	755	555
	Fire Resistance Level	90 min	5060	2250	1265	810	560	415
	Fire Resistance Level	120 min	4445	1975	1110	710	495	365

# GALINTEL RENDABAR®

(150 x 100)



## Control joints

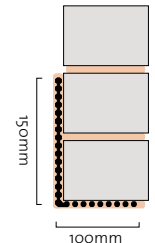
Where control joints are used as a required structural element, loading of the lintel must be reduced by one-third.

## Propping

Rendabar® spans must be propped or tommed at equal intervals (not more than 1.2m apart) when brickwork is laid up rapidly over and above two courses.

## Code compliance

Galintel Rendabars® have been extensively tested by Unisearch Limited, the research and development company of the University of New South Wales, for strength, structural adequacy, and compliance with relevant Australian Building Codes. ABSAC approved (Technical opinion No.205).



Brick composite beam  
Minimum 3 courses of bricks.  
Note: Mortar must be present at all contact surfaces between bricks and Rendabar

## Composite Action

Galintel® products rely on composite action. Therefore, to achieve ultimate performance, mortar must be present at all contact surfaces between bricks and lintel.

RENDABAR 150 x 100 x 8 11 kg/m		POINT LOAD (kg) 600mm TRUSS SPACING					
		Span (mm)	1800	2100	2400	2700	3000
	Rendabar (mm)	2100	2400	2700	3000	3300	3600
	Brick courses 3	390	385	250	N/A	N/A	N/A
	4	600	615	410	425	305	300
	5	785	830	575	620	470	485
	6	910	975	685	760	585	615

RENDABAR 150 x 100 x 8 11 kg/m		POINT LOAD (kg) 900mm TRUSS SPACING					
		Span (mm)	1800	2100	2400	2700	3000
	Rendabar (mm)	2100	2400	2700	3000	3300	3600
	Brick courses 3	305	325	330	N/A	N/A	N/A
	4	470	510	545	325	315	305
	5	615	690	765	475	485	490
	6	705	810	915	575	600	625

RENDABAR 150 x 100 x 8 11 kg/m		DISTRIBUTED LOAD (kg/m)					
		Span (mm)	1800	2100	2400	2700	3000
	Rendabar (mm)	2100	2400	2700	3000	3300	3600
	Brick courses 3	570	445	350	N/A	N/A	N/A
	4	875	705	575	475	390	325
	5	1150	950	805	690	600	525
	6	1325	1120	965	850	745	665

N/A indicates not applicable

## Fire-rated Rendabar® – safe load table (150 x 100)

Use this table when a fire resistance rating is required (at least 15mm of cement render must be applied to underside of lintel).

RENDABAR 150 x 100 x 8 11 kg/m		MAXIMUM LOAD (kg/m)							
		Span (mm)	1500	1800	2100	2400	2700	3000	3300
	Rendabar (mm)	1800	2100	2400	2700	3000	3300	3600	
	Fire Resistance Level	60 min	1220	845	620	475	375	305	250
	Fire Resistance Level	90 min	905	630	460	355	280	225	N/A
	Fire Resistance Level	120 min	795	550	405	310	245	N/A	N/A

C.S.I.R.O. Opinion FOC-1242