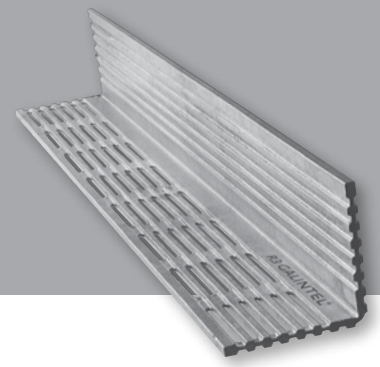


GALINTEL RENDABAR®

(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.

| RENDABAR 100 x 100 x 8 9 kg/m | | POINT LOAD (kg) 600mm TRUSS SPACING | | | | | |
|-------------------------------------|-----------------|-------------------------------------|------|------|------|------|------|
| | | Span (mm) | 900 | 1200 | 1500 | 1800 | 2100 |
| | 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 |

| RENDABAR 100 x 100 x 8 9 kg/m | | POINT LOAD (kg) 900mm TRUSS SPACING | | | | | |
|-------------------------------------|-----------------|-------------------------------------|------|------|------|------|------|
| | | Span (mm) | 900 | 1200 | 1500 | 1800 | 2100 |
| | 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 |

| RENDABAR 100 x 100 x 8 9 kg/m | | DISTRIBUTED LOAD (kg/m) | | | | | |
|-------------------------------------|-----------------|-------------------------|------|------|------|------|------|
| | | Span (mm) | 900 | 1200 | 1500 | 1800 | 2100 |
| | 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).

| RENDABAR 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

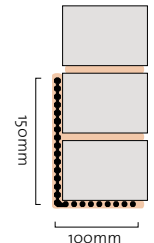
Where control joints are used as a required structural element, loading of the lintel must be reduced by one-third.

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 | Span (mm) | POINT LOAD (kg) 600mm TRUSS SPACING | | | | | |
|--------------------------------------|-----------------|-------------------------------------|------|------|------|------|------|
| | | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 |
| | 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 | Span (mm) | POINT LOAD (kg) 900mm TRUSS SPACING | | | | | |
|--------------------------------------|-----------------|-------------------------------------|------|------|------|------|------|
| | | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 |
| | 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 | Span (mm) | DISTRIBUTED LOAD (kg/m) | | | | | |
|--------------------------------------|-----------------|-------------------------|------|------|------|------|------|
| | | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 |
| | 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 | Span (mm) | MAXIMUM LOAD (kg/m) | | | | | | | |
|--------------------------------------|-----------------------|---------------------|------|------|------|------|------|------|-----|
| | | 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