

OMNIROC® SPAN AND LOAD TABLES*

A. Multiple Span Conditions

Uniformly distributed live loads in pounds per square foot allowable on panels spanning 3 or more supports with equal spacing for **OMNIROC®** panels.

| PANEL THICKNESS | LOAD GOVERNED BY | 12" O.C. SUPPORTS | 16" O.C. SUPPORTS | 24" O.C. SUPPORTS |
|-----------------|--------------------------|-------------------|-------------------|-------------------|
| 16 mm (5/8") | L/240 ▲ between Supports | 212 | 117 | 50 |
| | L/360 ▲ between Supports | 212 | 117 | 50 |
| 19 mm (3/4") | L/240 ▲ between Supports | 299 | 166 | 71 |
| | L/360 ▲ between Supports | 299 | 166 | 71 |
| 22 mm (7/8") | L/240 ▲ between Supports | 402 | 224 | 96 |
| | L/360 ▲ between Supports | 402 | 224 | 96 |
| 25 mm (1") | L/240 ▲ between Supports | 520 | 290 | 125 |
| | L/360 ▲ between Supports | 520 | 290 | 125 |
| 28 mm (1 1/8") | L/240 ▲ between Supports | 654 | 365 | 158 |
| | L/360 ▲ between Supports | 654 | 365 | 158 |
| 32 mm (1 1/4") | L/240 ▲ between Supports | 790 | 477 | 208 |
| | L/360 ▲ between Supports | 79 | 477 | 208 |
| 38 mm (1 1/2") | L/240 ▲ between Supports | 899 | 605 | 264 |
| | L/360 ▲ between Supports | 899 | 605 | 264 |

B. Single Span Conditions

Uniformly distributed live loads in pounds per square foot allowable on panels spanning 2 supports for **OMNIROC®** panels.

| PANEL THICKNESS | LOAD GOVERNED BY | 12" O.C. SUPPORTS | 16" O.C. SUPPORTS | 24" O.C. SUPPORTS |
|-----------------|--------------------------|-------------------|-------------------|-------------------|
| 16 mm (5/8") | L/240 ▲ between Supports | 169 | 93 | 39 |
| | L/360 ▲ between Supports | 169 | 93 | 30 |
| 19 mm (3/4") | L/240 ▲ between Supports | 239 | 132 | 56 |
| | L/360 ▲ between Supports | 239 | 132 | 51 |
| 22 mm (7/8") | L/240 ▲ between Supports | 321 | 178 | 76 |
| | L/360 ▲ between Supports | 321 | 178 | 76 |
| 25 mm (1") | L/240 ▲ between Supports | 415 | 231 | 99 |
| | L/360 ▲ between Supports | 415 | 321 | 99 |
| 28 mm (1 1/8") | L/240 ▲ between Supports | 521 | 290 | 125 |
| | L/360 ▲ between Supports | 521 | 290 | 125 |
| 32 mm (1 1/4") | L/240 ▲ between Supports | 682 | 380 | 164 |
| | L/360 ▲ between Supports | 682 | 380 | 164 |
| 38 mm (1 1/2") | L/240 ▲ between Supports | 865 | 482 | 209 |
| | L/360 ▲ between Supports | 865 | 482 | 209 |

* Load calculations based upon a safety factor of 4. Moisture content of OMNIROC® is assumed to be 5% by weight (±1%) as shipped from the factory – this is considered a 'dry' condition. If OMNIROC® is allowed to become saturated, reduce live load working capacity approximately 30% until the boards have re-dried. All load table data remains valid for re-dried boards. Technical tables and specifications are provided as a general guideline only. No table can be sufficiently comprehensive to cover all details of a specific project design. We recommend that all installations be designed and reviewed by a qualified architect or engineer.

All load values are governed by a bending strength value of 9 N/mm² (1,305 psi), which is the minimum allowable performance requirement of the EN 634-2 European Standard for CBPB. OMNIROC® performance against the EN 634-2 shall be considered substantially superior.