

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	790	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	231	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.