

OMNIROC® SOUND TRANSMISSION CONTROL

Acoustic Performance: Because of its high density (89.6lbs/cu.ft.), **OMNIROC®** contributes significant acoustic performance when used as a wall or floor sheathing. The following chart lists Sound Transmission Control ratings (STC) for **OMNIROC®** when used as a component in walls, ceilings, and floor assemblies.

Sound Transmission Control Ratings: STC ratings can be enhanced by including **OMNIROC®** as part of a steel stud or wood stud partition or floor assembly with insulation in the stud or joist cavities.

Size	Lbs/sq. ft.	STC Rating
6mm (1/4")	1.659	30
8mm (5/16")	2.074	31
10mm (3/8")	2.489	32
12mm (1/2")	3.319	33
19mm (3/4")	4.978	34
22mm (7/8")	5.807	35
25mm (1")	6.637	36

OMNIROC® WIND LOAD RATING

When **OMNIROC®** panels are installed as exterior wall sheathing, the maximum allowable wind loads in mph are limited to a deflection of L/360 are approximated for exterior walls, under indicated weather conditions, as listed in the table below.

Thickness	16" o.c. Supports	24" o.c. Supports
10 mm (3/8)	120 mph	75 mph
12mm (1/2")	150 mph	90 mph
16mm (5/8")	150+ mph	120 mph
19mm (3/4")	150+ mph	150 mph