

Temple-Inland QuietBrace™ Meets Wind Resistance Requirements For 130 mph Wind Speed

WIND RESISTANCE TEST RESULTS			
TEST CRITERIA	EXPOSURE AREA	WIND SPEED (UP TO)	ROOF HEIGHT
Wind Pressure Resistance	B	130	60
	C	130	40
	D	130	15

Testing Wind Pressure Resistance

Recently completed tests to evaluate QuietBrace for direct wind pressure resistance show that it surpasses the IRC and the IBC requirements for wind pressure resistance in 130 mph wind speed areas for walls in buildings having a mean roof height up to 60 feet and located in Exposure B (urban, suburban) areas.

The allowable wind pressure resistance for QuietBrace on 16" on-center wood studs is ± 60 lb/sq ft. The IRC and IBC requirements for 130 mph areas are -40.7 lb/sq ft for corner sheathing and lower for non-corner sheathing.

In 130 mph wind speed areas, QuietBrace also meets all the allowable design loads for walls where the building mean roof height is up to 40 feet in Exposure C areas (open terrain) and up to 15 feet in Exposure D areas (flat, unobstructed areas exposed to wind over open water, etc.).

For detailed code requirements, reference IRC Tables R301.2(2) and (3), and IBC Tables 1609.2.1(2) and (4).