



SIP No. 2038

Subject: Nail Pullout

Date: November 2007

Pullout tests have been conducted on nails driven into R-Control SIP facings. Pullout values were determined by driving nails into and through the 7/16" OSB used to manufacture R-Control SIPs and extracting the nail. The following results are ultimate pullout values for R-Control SIPs using various nail types.

Nail Type	Ultimate Pullout Value
4D Drywall	96 Lbs.
6D Galvanized	69 Lbs.
Galvanized Roofing	61 Lbs.
8D Smooth	51 Lbs.
8D Galvanized	80 Lbs.
8D Coated	90 Lbs.
8D Ring Shank	156 Lbs.
10D Spiral Shank	38 Lbs.
16D Smooth	52 Lbs.
16D Galvanized	75 Lbs.

The data in this bulletin is average ultimate pullout value. No factor of safety has been applied. An appropriate factor of safety should be used in design calculations.

The data is representative of the OSB tested. Results will vary with OSB source and lot. Data is based on dry OSB.

This data allows specifiers and manufacturers of finishing products and systems to determine correct fastener placement required for their materials.



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