



SIP No. 2033

Subject: Screw Shear and Pullout Capacities in OSB

Date: November 2007

A test program was conducted to obtain data that characterizes pullout and shear capacities for various fasteners in 7/16" OSB.

Fifteen repetitions of each combination of variables were completed. A summary of the ultimate pullout and shear results are below.

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.

Pullout (lbs)	
Screw Size	7/16" OSB
#6 Deck Screw	175
#8 Deck Screw	180
#10 Deck Screw	200
#12 Roofing Screw	190
#14 Roofing Screw	175

Shear (lbs)	
Screw Size	7/16" OSB
#6 Deck Screw	200
#8 Deck Screw	120
#10 Deck Screw	140
#12 Roofing Screw	435
#14 Roofing Screw	465



R-Control SIPS are made exclusively with Foam-Control EPS. R-Control SIPS and Foam-Control EPS are manufactured by AFM Corporation licensees.

Copyright © 2015 AFM Corporation. All rights reserved. Printed in USA. R-Control, Foam-Control, Perform Guard, and Control, Not Compromise are registered trademarks of AFM Corporation, Lakeville, MN.

