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Decking System Clip Tests

Preliminary Test Results, 8/25/2010 ABSWood.com

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Introduction

Special clips can be used in decking systems to secure boards to joists. The following clips were fastened to a small joist and pull tested until failure to determine their strength. Each test consisted of fastening a metal board to the frame using 6 clips and the screws provided. A load cell was used to measure the force required to cause the clips to fail. Every test resulted in the screws pulling through the clips at the point in which the screws held them down.

Test Data

Mfg	Model	Shape	Metal Core(Y/N)	Board Spacing (Inches)	Force at Failure(lbs)
Ipe Clip	Extreme4	Square	Yes	3/32"	1094
Ipe Clip	Standard	Circle	No	3/32"	497.5
Eb-Ty	Original	Oval	No	3/32"	451.5
Lumber Loc	Exotic	Rectangle	No	1/4"	322.5

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