



## SIP No. 2012

**Subject:** Impact Test

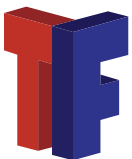
**Date:** November 2007

Impact tests have been conducted on R-Control SIPs. The tests consists of supporting a panel on its short ends, and dropping a 60 pound, 10" diameter, lead shot filled leather bag from various heights.

A 4-1/2" thick 4' x 10' R-Control SIP was tested. A 60 pound bag was dropped from 1-1/2 feet which equals a force of 90 foot pounds - no damage occurred. Dropping the 60 pound bag from 4 feet applied an impact force of 240 foot pounds, again causing no damage.

To further demonstrate the strength of R-Control SIPs, the same 60 pound bag was dropped from a height of 10 feet to create a force of 600 foot pounds of impact.

The R-Control SIP showed no signs of damage even after having been subjected to repeated impact testing.



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