



DURABLE & PROTECTIVE  
**WALLCOVERING**  
 YOU CAN CUSTOMIZE

**VRP® WALL SYSTEM IMPACT RESISTANCE**  
**ASTM STANDARD C 1629M-05**

**Standard classification for abuse resistant non-decorated interior gypsum panel products and fiber reinforced cement panels.**

This test is to measure the potential damage to wall panels caused by severe impact. It closely simulates the typical damage inflicted on wallboard in high use corridors found in hospitals, clinics, food service areas, laboratories and educational facilities.

**1:** The **“Hard Body Impact Test”** procedure is the most severe impact test and measures resistance to penetration of a wall panel when impacted by a rigid body. Failure is achieved when the impacting head penetrates through the test panel surface.

**2:** Test results are classified into three performance levels indicating force resistance as follows:

- **Level 1:** 50 - 99 ft-lbf.
- **Level 2:** 100 - 149 ft-lbf.
- **Level 3:** 150 or greater ft-lbf.

<b>Results: ASTM: C-1629M-05</b>			
<b>Testing Material</b>	<b>Untreated Wallboard</b>	<b>VRP® Wall System</b>	<b>Improvement</b>
Standard 5/8" Wallboard	33 ft-lbf <i>Baseline</i>	85 ft-lbf <sup>1</sup> <i>Upper Level 1</i>	<b>157%</b>
Hi-Impact 5/8" Wallboard	115 ft-lbf <i>Baseline - Level 2</i>	153 ft-lbf <sup>2</sup> <i>Exceeds Level 3</i>	<b>33%</b>

<sup>1</sup>No impact impression at 60 ft-lbf

<sup>2</sup>No impact impression at 145 ft-lbf

888-267-4067  
[vitrulanusa.com](http://vitrulanusa.com)

Ger-Eck, LLC: *Exclusive Distributors of Vitrulan Glass Textile Products*  
 1012 Sandstone Drive South Windsor, CT 06074  
 for more info: [g.griffin@vitrulanusa.com](mailto:g.griffin@vitrulanusa.com)