



## TECHNICAL BULLETIN 15: SIMPLE SAVER SYSTEM® ACOUSTICAL PROPERTIES

The following are test results of Simple Saver System® samples tested in accordance with ASTM C423 to determine acoustical absorption.

### Acoustical Test Results per ASTM C423

**Sample #1:** Tested Manville Acoustical Labs, 7/12/89 in Denver, CO. Standard weight Simple Saver liner fabric (woven coated polyethylene with flame retardance), 5- to 6-mils thick on 6" or more of 0.6 lbs/cubic ft. density fiberglass; 0.26 psf weight liner fabric.

#### Sound Absorption Coefficients

Frequency (Hz) Band:

| 125  | 250  | 500  | 1000 | 2000 | 4000 | NRC  |
|------|------|------|------|------|------|------|
| 1.22 | 1.17 | 0.78 | 0.68 | 0.39 | 0.22 | 0.75 |

**Sample #2:** Tested by Geiger & Hamme, Inc. Acoustical, 8/21/91, Ann Arbor, MI. Lightweight Simple Saver liner fabric (woven coated polyethylene), 3- to 5-mils thick on 6" or more of 0.6 lbs/cubic ft. density unfaced fiberglass; 0.22 psf weight liner fabric.

#### Sound Absorption Coefficients

Frequency (Hz) Band:

| 125  | 250  | 500  | 1000 | 2000 | 4000 | NRC  |
|------|------|------|------|------|------|------|
| 0.39 | 0.87 | 1.03 | 0.81 | 0.62 | 0.41 | 0.85 |

Please call Thermal Design at 800-255-0776 for more information, designs or custom testing of assemblies.