

## **STC rating of Firestik compared to Acoustical Caulk**

STC performance of fire rated wall assemblies utilizing Firestik was determined through several comparison tests run in accordance with provisions and requirements of ASTM E90-04. NVLAP accredited labs performed sound transmission loss tests on representative wall partitions and measured reduced sound transmission with Firestik joint fire stop installed at Head of Wall gaps.

Results using the same partition mock-up provided STC measurements having the Head of Wall gap joint addressed differently in each test. Three individual results obtained are listed in the following reports:

- 1) Report No TL06-256 – Head of Wall joint uncovered  
STC = 45
- 2) Report No TL06-257 – Head of Wall joint with Firestik applied both sides  
STC = 52
- 3) Report No TL06-258 – Head of Wall joint with acoustical sound caulk both sides  
STC = 53

The 8' high x 12' wide test partition mock up was representative of Gypsum Associations File No. WP1522. Measured performance of Firestik joint coverage is similar to improvement measured when an acoustical caulk is applied to address the same nominal Head of Wall gap. Lab measured results place both Firestik and acoustical caulk solutions in the range of 50 to 54 STC class rating referred to in the Gypsum Association reference manual.

Copies of the official test reports are on file and available from the CEMCO technical department (800) 775-2362.

### **Avoid Displacement from Compression**

