
Acoustics

Product: The Icynene Insulation System®

Sound Transmission Class (STC)

Testing Organization: Gold Bond Building Products
Research Center

Test Method: ASTM E90-83, E413
Standard test method for the laboratory measurement of airborne sound transmission loss of building partitions.

Date: May 1988

Result: STC-37
Wall assembly consisting of:
- 2x4 wood studs
- 3.5" Icynene®
- 1 layer of 5/8" gypsum wallboard on each side

Noise Reduction Co-efficient (NRC)

Testing Organization: Gold Bond Building Products
Research Center

Test Method: C423-84
Standard method for the measurement of sound absorption.

Date: May 1988

Result: NRC – 0.7

Comments: The Icynene Insulation System® has an added advantage over other similarly rated materials, in that it air seals the structure when it is applied. The above tests do not allow for loss of rating due to air leakage.