

The diagrams and STC ratings listed below are intended to serve as a guide. Construction practices have an influence on field STC ratings. International Cellulose Corporation cannot guarantee actual STC ratings. Flanking sound patterns, the integrity of the wall, and the floor and ceiling construction are important factors in effective sound control.

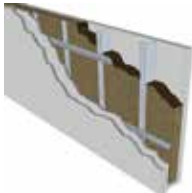
The Celbar Spray is a cellulose insulation recognized under IBC Section 719 and IRC Section R316. Celbar Spray is a spray-on thermal insulation material and may be used as a component of nonload-bearing, one-hour fire-resistance-rated walls. -ICC Evaluation Service, INC., ESR-2110

For more information, please contact International Cellulose Corporation at:  
 12315 Robin Blvd. Houston, TX 77045  
 icc@spray-on.com  
 Toll-free (800)-444-1252 or (713)-433-6701

STC Ratings of wall assemblies insulated with Cellulose Spray. Testing done with full scale assemblies by National Research Council Canada.

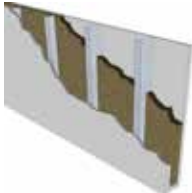
## STC Metal Stud Assemblies

**60**



24" OC  
 4" Metal Studs  
 Two layers 5/8" Gypsum Board each side  
 Resilient Furring one side  
 3-1/2" Cellulose Spray  
 • *Test TL-94-024*

**51**



24" OC  
 6" Metal Studs  
 One layer 5/8" Gypsum Board each side  
 6" Cellulose Spray  
 • *Test TL-93-298*

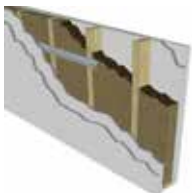
## Wood Stud Assemblies

**54**



16" OC  
 6" Plate  
 2x4" Staggered Wood Studs  
 Two layer 5/8" Gypsum Board one side  
 One layer Gypsum Board other side  
 5-1/2" Cellulose Spray  
 • *Test TL-93-232*

**57**



16" OC  
 2x6" Wood Studs  
 Two layer 5/8" Gypsum Board each side  
 Resilient Furring one side  
 5-1/2" Cellulose Spray  
 • *Test TL-93-108*

**62**



16" OC  
 6" Plate  
 2x4" Staggered Wood Studs  
 Two layer 5/8" Gypsum Board each side  
 Resilient Furring one side  
 5-1/2" Cellulose Spray  
 • *Test TL-93-236*

**STAGGERED STUD WALL PARTITION  
16" OC, 2X4" WOOD STUDS ON 6" WOOD PLATES**

STC Ratings of wall assemblies insulated with Celbar Spray. Testing done with full scale assemblies.

**STC**

**41**

Single Layer 5/8" Gypsum Board each side  
No Insulation  
• *NGC 2008020*



**48**

Single Layer 5/8" Gypsum Board each side  
5-1/2" Celbar Spray  
• *NGC 2008023*



**55**

Single Layer 5/8" Gypsum Board each side  
Single Layer 5/8" SoundBreak™ one side  
5-1/2" Celbar Spray  
• *NGC 2008024*



**51**

Double Layer 5/8" Gypsum Board each side  
No Insulation  
• *NGC 2008019*



**56**

Double Layer 5/8" Gypsum Board each side  
5-1/2" Celbar Spray  
• *NGC 2008025*



**59**

Double Layer 5/8" Gypsum Board each side  
Single Layer 5/8" SoundBreak™ one side  
5-1/2" Celbar Spray  
• *NGC 2008027*

