celbar® spray-on systems

- Sound Transmission Control for Partition Walls & Plumbing
- Thermal Insulation
- Hourly Rated Partitions

(800) 444-1252 www.celbar.com

System Description

celbar is a blend of specially prepared cellulose fibers, organic in nature, treated with adhesive and fire resistant chemicals. When sprayed in place, the interlocking fibers result in a mass which produces excellent sound and thermal properties.

celbar is pneumatically spray-applied in wall and floor/ceiling cavities to form a monolithic coating. This process seals cracks and holes in the wallboard, around plumbing and electrical outlets, vent ducts and other irregularities. There are no compressed areas or voids to allow sound leaks, R value reductions, or air infiltration.

Performance Where It Counts

celbar provides superior sound transfer control demanded by building designers, owners and occupants. **celbar** assemblies perform closer to lab tested STC ratings in the field than do other conventional batt and sound board systems. This is due to the complete coverage and the sealing action of **celbar**.

Laboratory tests have proven that **celbar** produces significantly higher STC values than other identically constructed wall systems.

2½" Metal Studs With ½" Gypsum Wallboard - both sides.	
TEST	*RESULT*
A. No Sound Control material used	31 STC
B. 2½" sound barrier batt	33 STC
C. 2½" sound barrier batt and ½" cellutex board	37 STC
D. 1½" *Celbar* Spray	**49 STC**

Physical Properties

Thermal Properties

Thickness	1.0"	2.5"	3.5"
R-Value	3.8	9.5	13.3

Fire Hazard Classification

Underwriters Laboratories; Reference #R-5499.

Listings •ICBO-Approval Number 2262
•Southern Building Code-Approval Number 9566
•HUD-FHA-VA-Permits the use of **celbar** in projects they finance-based on **celbar**'s compliance with UMB-80

ASTM E-119 Fire Rating - One Hour

celbar has been tested in accordance with ASTM E-119 including hose stream test and is accepted for use in fire-rated wall assemblies as a one hour wall.

Metal Stud Assemblies

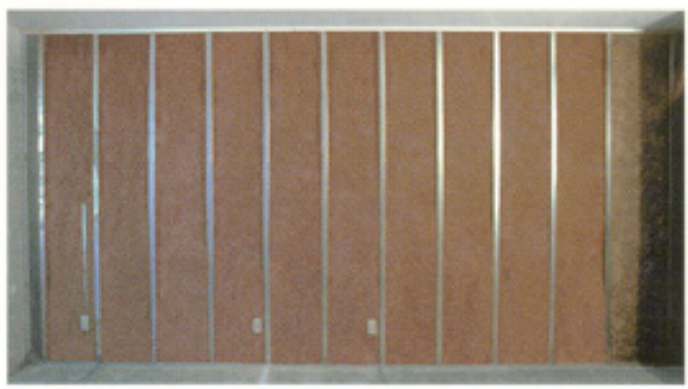
STC RATING	Construction Detail
55	2½" metal studs, 2 layers ⅝" gypsum board on one side, 1 layer ⅝" gypsum board on the opposite side: 2½" **celbar** *Spray.*
53	3⅝" metal studs, 1 layer ⅝" gypsum board on each side: 2" **celbar** *Spray.*
51	2½" metal stud 24" O.C. faced both sides with ⅝" gypsum wallboard: 1½" **celbar** *Spray.*

Wood Stud Assemblies

STC RATING	Construction Detail
58	2"x4" stud on a 2"x6" plate spaced 16" O.C. and staggered on opposite sides, faced on both sides with ⅝" gypsum wallboard: 1½" **celbar** *Spray.*
56	2"x4" stud 16" O.C. on two separate 2"x4" plates with 1" separation. Faced on one side with ⅝" gypsum wallboard and ½" gypsum wallboard other side: 1½" **celbar** *Spray.*
51	2"x4" wood studs, 1 layer ⅝" gypsum board on each side: 3½" **celbar** *Spray.*
50	2"x4" wood studs, 1 layer ⅝" gypsum board on each side: 2" **celbar** *Spray.*

Typical Structures

Homes	Hotels/Motels	Theaters
Condominiums	Apartments	Restaurants
Townhouses	Shopping Malls	Office Buildings



celbar *completely and uniformly fills wall cavities.*

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Minumum 80% recycled content