

MODERNFOLD™

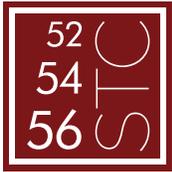
A DORMA Group Company



OPERABLE PARTITIONS

Acousti-Seal® Encore®





Acousti-Seal® Encore®
Operable Partitions.



For generations, architects, interior designers and building owners have trusted Modernfold to deliver greater functionality and sound control to office buildings, classrooms, hotels, hospitals, retail centers, entertainment venues and conference and exhibition complexes. Whatever the application, Modernfold's heritage of unique customized solutions and start-to-finish support

have made us a trusted partner devoted to the success of our customers. Since 1925, Modernfold has built a reputation as a leader in flexible space design assistance, quality products and installation, and ongoing product support. We are completely dedicated to how our partnership can add to your success—and not just for your facility, but also for your overall business.

..... 1925 1930 1932 1958 1963 1966 1970 1970 1971

Circle A Company
Produces Wood Folding
Doors

Henry Oberdorfer buys
Circle A & starts New Castle
Products. Produces
large gym folding walls.

Accordion
Door is born

Soundmaster

Acousti-Seal

Acousti-Seal 40

Vanguard

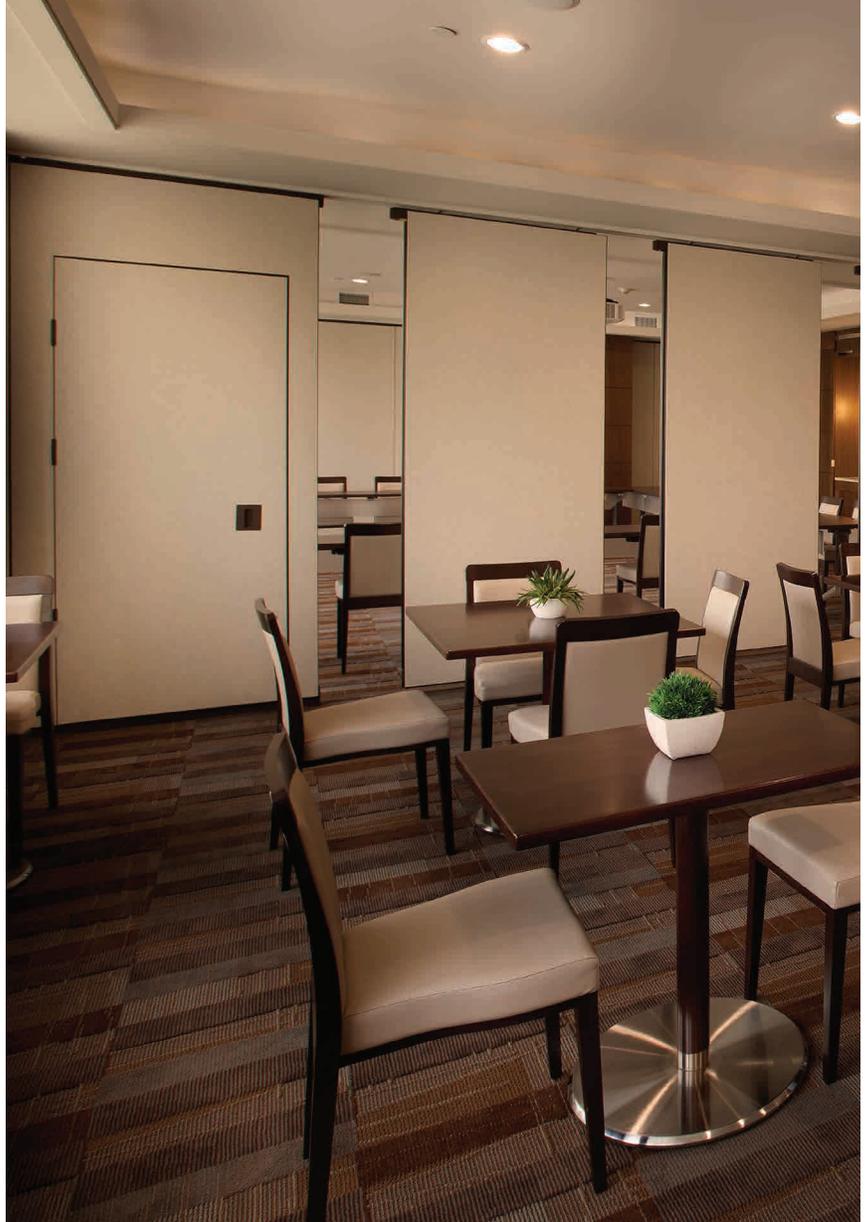
All Steel
Acousti-Seal is announced

Divisiflex

Acousti-Seal® Encore®

Benefits

- Industry leading 52, 54, & 56 STC acoustical rating
- Automatic set-up provides error proof system operation and repeatable sound control performance
- Modernfold's new SureSet™ top & bottom seal system sets automatically to eliminate bottom seal issues and improve lateral stability
- 120 lbs. of pressure-to-floor aids in sound control and helps overcome uneven floor surfaces such as carpeting
- Astragal between panels allows deeper nesting for a seamless vertical fit and better acoustical control
- Smart Track completes the system by ensuring panels are always in the correct location whether in the run or in the stacking area



Panels nest deeply and seal tightly to create an acoustic barrier with a rating of 56 STC, The highest in the industry.



SureSet™ bottom and top seal mechanism sets automatically for consistent operation on every panel.



Error proof automatic set-up assures expandable panel smoothly glides into place.

••• 1974 ••••• 1976 •••••• 1981 ••••••• 1993 •••••••• 1993 •••••••••• 1997 ••••••••••• 2008 •••••••••••• 2012 ••••••••••••••••

Acousti-Seal
900 series

Gym Wall

Spacesetter

First 2 hour
Fire Rated Wall

First operating
wall at 46' tall -
McCormick Place
Chicago, IL

First Double Pass Door
w/1-hour fire rating

MOVEO
Acoustical Glass Wall

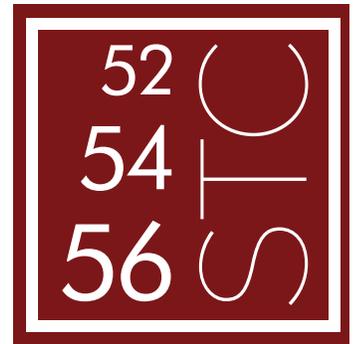
Acousti-Seal Encore

Acousti-Seal® Encore®

Achieving Optimal Acoustics

Acousti-Seal® Encore® operable partitions have been laboratory tested to an industry leading 56 STC... How does that translate into an actual space?

STC or Sound Transmission Class is a two-digit number describing the acoustical control of a partition in a sound laboratory setting. This method of ranking is the most widely accepted standard throughout the industry. Virtually every operable partition manufacturer conducts laboratory tests and must be able to validate their products results.

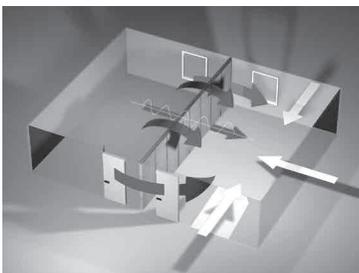


To be certified as a sound laboratory, a lab must be constructed to meet strict ASTM specifications and be certified by a third party. A quality sound laboratory has the ability to take everything out of the surrounding environment except for the partition that is being tested. Therefore, an STC rating calculates only the partition itself without any of the surrounding construction. This is very important to understand because when a partition is placed into an actual building, that building will not be built to the same standards as the sound laboratory and therefore will affect the acoustical performance within the space.

When you consider that an operable wall may represent only 10% of the surface area in a space, you quickly realize it takes more than just a great operable wall to achieve optimal acoustical control within the space. Acoustical success takes a great acoustical plan for the surrounding construction by the Acoustician, Architect, and General Contractor. One must understand that it is not realistic to duplicate the sound lab environment in an actual space, but duplicating the environment as closely as possible will determine the overall quality of the acoustical control within each space. The guidelines for duplicating the sound lab environment within an actual space are detailed in the ASTM E557 specification.

ASTM E557 is the blueprint for the successful construction surrounding acoustically rated operable partitions. The ASTM E557 specification can be purchased online at www.ASTM.org and is an absolutely essential guide for your spaces overall acoustical success. The STC of your operable partition is basically irrelevant if the surrounding construction is not up to the ASTM E557 specification. You will lose the intended acoustical control of the operable partitions through the surrounding construction and unrecognized construction errors.

The following are the most common construction errors in regards to successful acoustical control and operable partitions:

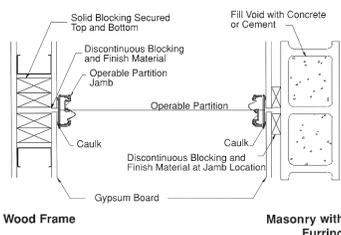
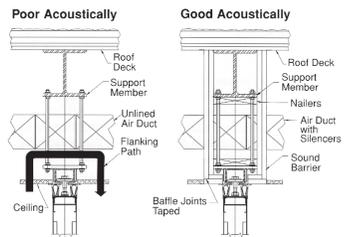


Flanking Paths

Airborne sound can be transmitted to adjoining rooms by way of adjacent doors, door grilles, air handling ducts, ceiling plenums, or floors and walls passing beneath the partition or from room-to-room at the ends of the partitions. These flanking paths can often be eliminated or diminished by installing baffling, sound barriers, or sound -absorbing insulation in key areas.

Above the Partition Track

A plenum above a partition can allow sound to pass up through the ceiling on one side and down to the other side. To eliminate this problem, a barrier (with a sound transmission loss equal to or greater than the partition) should be created above the partition.



Partition-to-Wall Connections

Operable partitions use various methods to connect with permanent walls and partitions. These include fixed jambs mounted to the partition or permanent wall, recessed jambs on the permanent surface, and multi-point bulb seals. Whatever the case, provisions should be made to allow for air tight closure against the permanent wall without interference from chair rails, crown moldings, or other surface materials.

For more detailed acoustic information please reference Modernfold's Acoustical Guide Form 2503.

Acousti-Seal® Encore® Configurations

Modernfold's Acousti-Seal® Encore® is offered in two configurations: Single Panel and Paired Panel

SINGLE PANEL



For the largest openings, storage in remote pockets, and for complex partition layouts, the Acousti-Seal® Encore® single panel is the operable partition of choice. Modernfold's single panel systems provide the ultimate in versatility and flexibility, allowing such capabilities as multiple room setups and changes in the location of pass doors and work surfaces.

- Solve complex layout challenges
- Satisfies high ceiling requirements with custom engineered panels up to 50' high
- Accommodates wide variations in floor conditions
- Simplifies set-up and storage with the use of the Smart Track™ suspension system
- Optimal for usage in conference areas, multi-purpose, hospitality and convention facilities

Acousti-Seal® Encore®	Single Panel
STC	52, 54, 56
Panel Thickness - Nominal	4" (102 mm)
Frame	Roll formed & welded 14/16 gage steel
Finish Options	Vinyl, heavy duty vinyl, carpet, fabric, customers own material, full height marker/tack board, uncovered
Skin/Face Options	Steel
Max. Opening Width	Unlimited
Max. Height	30' (9144 mm) Single Section
Hanging Weight	8 to 12 lbs/sq.ft.
Track Options	#17, #14, RT100, RT200
Pass Door Selection	Single matching & double matching construction
Top/Bottom Seals	Top: Automatic, Bottom: SureSet™ 2" & 4" automatic, SureSet™ 2' & 4" manual

PAIRED PANEL



For straight-line openings that do not require multiple locations or offset storage, an Acousti-Seal® Encore® paired panel system is ideal. Quick and easy setup is possible since panels are hinged together in groups of two and move in a straight line within the opening.

- Hinged together in groups of two, facilitating quick, easy setup
- No auxiliary storage track or support required
- Economical overhead support of straight-line track
- Suited for applications that require exceptional durability, acoustic control and frequent use
- Optional SOSS® invisible hinges eliminate the hinge protrusion on the panel face, adding safety and a fine line appearance
- Optimal usage in classrooms, meeting rooms or office spaces

Acousti-Seal® Encore®	Paired Panel
STC	52, 54, 56
Panel Thickness - Nominal	4" (102 mm)
Frame	Roll formed & welded 14/16 gage steel
Finish Options	Vinyl, heavy duty vinyl, carpet, fabric, customers own material, full height marker/tack board, uncovered
Skin/Face Options	Steel
Max. Opening Width	Unlimited
Max. Height	24' (7315 mm)
Hanging Weight	8 to 12 lbs/sq.ft.
Track Options	#17, #14, #30
Pass Door Selection	Single matching construction
Top/Bottom Seals	Top: Automatic, Bottom: SureSet™ 2" & 4" automatic, SureSet™ 2' & 4" manual

Acousti-Seal® Encore®

Options and Accessories

Modernfold offers a wide variety of standard options and accessories to pair with the new Acousti-Seal® Encore®. Through partnering with various manufacturers and trades, Modernfold has the experience to offer customizable solutions to make your Acousti-Seal® Encore® partitions a perfect fit into any space.

WORK SURFACES

- Marker boards, chalk boards, and tack boards available with no vertical trim
- Standard 4'x4' and full height or custom sizes available

PASS DOORS

- Matching construction
- Single or double configurations
- Acoustical construction
- ADA-compliant hardware
- Door viewer

SURESET™ SEAL SYSTEM

- Automatic top seal
- Automatic or manual bottom seal
- 120 lb. pressure to floor
- Error proof set up the first time...every time
- Available in 2" & 4" automatic or manual

ACCESSORIES

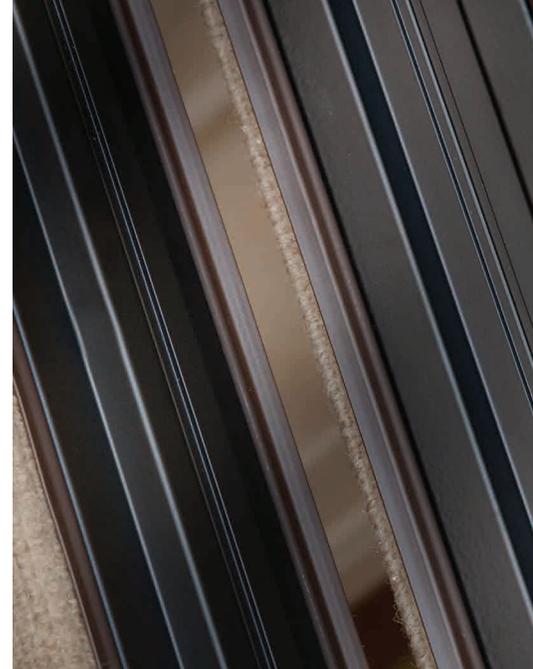
- Chair rail
- Push plates
- Recessed exit signs
- Key-locking foot bolt

POCKET DOORS

- Acoustic & non-acoustic solutions to conceal panel storage areas
- Pre-fabricated with jambs & hardware installed
- Pre-finished with all available finish options or uncovered for field finishing

FINISH OPTIONS

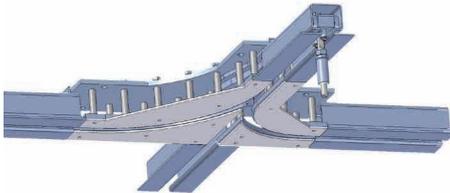
- Woven fabrics
- Ribbed wall carpeting
- Standard-weight vinyl wall covering
- Heavy-duty vinyl wall covering
- Custom material
- Uncovered for field finishing



Acousti-Seal® Encore® Suspension Systems

High performance, long lasting suspension systems by Modernfold.

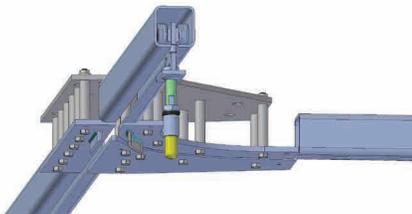
Modernfold takes pride in the reliability and durability of its all steel suspension systems. As a result, Modernfold offers a 5 year warranty for #17 Smart Track® and a 10 year warranty for #14 Smart Track®. Smart Track® technology in conjunction with a durable steel suspension provides easy operation along with worry free maintenance.



#17 Smart Track®

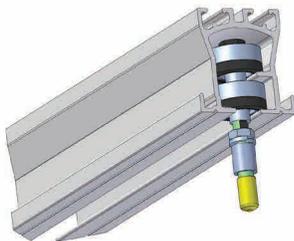
Smart Track®

Modernfold continues to expand the programming capabilities of the #17 and #14 steel track and trolley systems. Smart Track® allows the user to solve even the most complex layout and switching challenges without the added expense and maintenance requirements of electric or pneumatic switches.



#14 Smart Track®

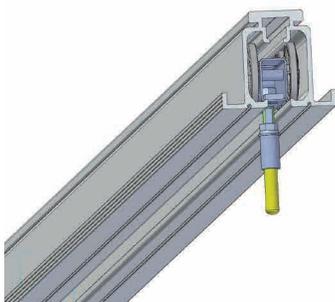
#17 and #14 steel track designs provide added staging and sorting abilities while reducing operational confusion, setup costs, and trolley stress.



RT200 / RT100

Multi-Directional Systems

The RT200 and RT100 right angle suspension systems provide an alternative where grid layouts are a must. Right angle track systems allow the user to set-up and arrange the partitions in numerous configurations.



#30 Track

#30 Track

For situations where an aluminum suspension system is a must, #30 track is available for paired panel operation. Made of strong structural aluminum and featuring a smooth quiet operation, #30 track is an outstanding alternative to the #17 and #14 steel track.



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