



"The Wenger practice room works out very well as my teaching studio, especially the excellent sound isolation. The VAE technology's recording/playback is a fabulous teaching tool that I use in lessons. By listening to themselves, students get immediate feedback and awareness of how they actually sound."

– Ben Coelho, Professor of Bassoon, University of Iowa, Iowa City, Iowa



"I really enjoy being able to alter the acoustics – this enables a longer, more fulfilling practice session. The acoustical settings are a huge benefit preparing for auditions. I can adjust the acoustics from a very lively space to a very dead one and learn how to alter my dynamics and articulation to be prepared for any situation."

– Sarah Wildey, Graduate Student – Bassoon Performance, University of Iowa, Iowa City, Iowa

University of Iowa, Iowa City, Iowa

ACOUSTICAL EQUIPMENT



SoundLok™ Sound-Isolation Practice Rooms
Page 90-91

Superior sound isolation for individual and group practice sessions. Modular and relocatable.



VAE® Technology
Pages 92-93

Wenger VAE® technology, combined with our sound-isolating practice rooms, allows you to perform in nine different virtual performance spaces. Record and playback features too.



Pre-Engineered Acoustical Doors
Page 95

Professional acoustical doors that keep the sound you want in, and unwanted sounds out.



Rehearsal Room Acoustical Treatments
Pages 96-97

Shape the acoustics of your rehearsal room to deliver optimal acoustics and protect your hearing.



Performance Space Acoustical Treatments
Pages 96-97

Expertly shape the acoustics of your performance space to deliver the best possible sound to your audience.



Diva® Full-Stage Acoustical Shells
Pages 100-101

The acoustical shell system that sounds as impressive as it looks.



Forte™ Shell
Pages 102-103

A cost-effective acoustical shell for medium to small performance spaces.



Legacy® Acoustical Shells
Pages 104-107

Now in **three improved designs!** Get consistent, supportive acoustics inside your theatre, gymnasium, cafeteria or wherever you perform within your facility.



Travelmaster™ Acoustical Shells
Pages 108-109

Consistent acoustics wherever you perform. A must-have for groups that travel.

SOUNDLOK™ SOUND-ISOLATION ROOMS



Godley High School, Godley, Texas

RESOURCES

Companion Products:

VAE®
Technology
pages 92-93



Literature available:

(call or download from the web)



Brochure,
Product
and Tech
Sheets



Web link: www.wengercorp.com/acousticalproducts

Sound-Isolation Practice Rooms

How can a student be expected to practice the flute when the sound of the trumpet next door is blasting through the walls and leaking through the vents? Or how can a French horn player improve tone when the internal acoustics in the practice room are muddy or excessively bright?

Wenger pioneered sound isolation in practice rooms, and we continue to use the most advanced technologies to set new standards. That's why we can guarantee the performance of our sound-isolation practice rooms.

Our modular rooms offer a clean, attractive look with closure panels for a seamless installation. And each room is relocatable – so you can move it down the hall or across town as your facility needs change.



USAGE

Sound-isolation individual or group practice and teaching studios

PERFORMANCE REQUIREMENTS

- Clean, professional 4" (10 cm) thick steel wall and ceiling panels are filled with high-grade acoustical insulation
- Rails, channels, and corner pieces interlock panels at the floor and ceiling with double-seated-gasketed seams
- 3' wide glass-panel door allows easy monitoring, personal security, and inviting ambience
- Advanced fan ventilation system supplies complete fresh air exchange every 1.5 to 2.5 minutes. For direct-connect HVAC systems, contact your Wenger representative
- Special electronic ballasts lower power consumption of lighting and eliminate fluorescent hum
- UL®-classified room electrical system

OPTIONS

- Room heights (interior) available in 6" (15 cm) increments from 7'6" to 10' (2.3 m- 3 m)
- Door Options: 3' (91 cm) standard; 4' (122 cm) door for large instruments; double door for grand piano; fire-rated door
- Vertical window panels available
- Horizontal broadcast application window available
- Horizontal and vertical closure panels available
- Closure panels create a complete, built-in look for side-by-side installations
- Choice of fan unit or direct HVAC connection to building system
- Extra-capacity raceway for communications and network cabling
- Floating floor for even greater sound isolation
- Available in four exterior colors
- Woodgrain interior finishes available

ORDERING INFORMATION

Many sizes and options available.
Please call your Wenger representative for consultation.



"I didn't want a new band facility without Wenger practice rooms – they were non-negotiable. The architect said building practice rooms that equaled Wenger's sound isolation would be very expensive. Built-in rooms also wouldn't give me the ability to change the room size in the future."

– Jeff Henry, Band Director, Godley High School, Godley, Texas



Sleek, low-profile fluorescent lights provide better lighting and reduce shadows.



Optional computer shelf provides a useful workspace. Folds closed and locks when not in use.



Ceiling trim provides a continuous profile design and is available in rich accent colors.



The redesigned door has an improved acoustical STC rating.

**UPGRADE SELECTIONS
WOOD ACCENT COLORS:**



Cherry Maple Light Cherry



TRIM COLORS:

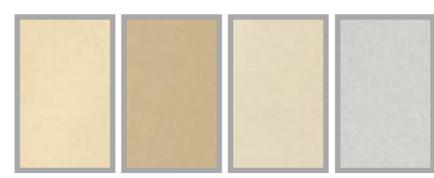


Charcoal Grey Warm Beige Oyster



Optional built-in Korg metronome/tuner. Mounts to wall wherever you want it.

WALL & CEILING PANEL COLORS:



Sahara Warm Sand Vanilla Oyster



New, sleek door handle design



VAE Technology. See pages 92-93.



Boston University, Boston, Massachusetts

THE BENEFITS OF MODULAR PRACTICE ROOMS

Wenger invented modular sound-isolation practice rooms because we realized the limitations of built-ins. Years of experience have made the facts strikingly clear.

- Our relocatable practice rooms offer superior and proven sound isolation at a price that a built-in would find hard to match (if built to Wenger sound-isolation standards)
- We don't cut corners so you don't experience frustrating acoustical problems
- Wenger optional VAE-equipped practice rooms create 9 different acoustic environments and maximize instruction with record and playback capabilities
- Modular practice rooms cost less in the long run

VAE® TECHNOLOGY



Boston University, Boston, Massachusetts

RESOURCES

Companion Products:

Sound-Isolating Practice Rooms
page 90-91



Literature available:

(call or download from the web)



Brochure,
Tech
Sheet and
DVD



Web link:

www.wengercorp.com/vae

VAE® Technology (Virtual Acoustical Environments)

VAE technology in a Wenger SoundLok™ Sound-Isolation Practice Room puts your music program at the forefront with the latest state-of-the-art music practice technology. VAE technology now offers more realistic acoustical simulations, creating the sensation of being enveloped by the sound and enabling musicians to hear themselves in various performance venues.

Nine Virtual Acoustical Environments

Our incredible Virtual Acoustical Environment (VAE) technology can duplicate the acoustics of a broad range of performance venues – from a large recital hall to a cathedral to a small auditorium.

- That means your performance preparation is going to move to an unprecedented level.
- Changing from one preset acoustic environment to another is as quick and easy as pressing a button.

Record and Playback Equipped

VAE technology now features built-in digital recording and playback, which dramatically enhances the educational value of the VAE system. VAE will:

- Allow educators to easily follow the assessment strategy recommended in the National Standards for Music Education.
- Increase your ability to carefully evaluate the progress of more students in less time.
- Provide the ability to upload music files or download practice sessions to a computer or other recording device.
- Enable musicians to practice with uploaded accompaniments and other pre-recorded pieces.

USAGE

Practice in virtual acoustical environments with the added benefit of record and playback capabilities

PERFORMANCE REQUIREMENTS

- Installed by expert Wenger technicians
- Works in conjunction with Wenger's SoundLok™ Sound-Isolation Rooms (see pages 90-91)
- Designed and built using high-quality electronic components
- Nine built-in acoustical environments
- Record and playback capabilities

CONSTRUCTION

- UL®-classified room electrical system
- Aesthetically pleasing composite material walls
- 2 microphones, 8 custom-designed speakers

ORDERING INFORMATION

Please call your Wenger representative for consultation



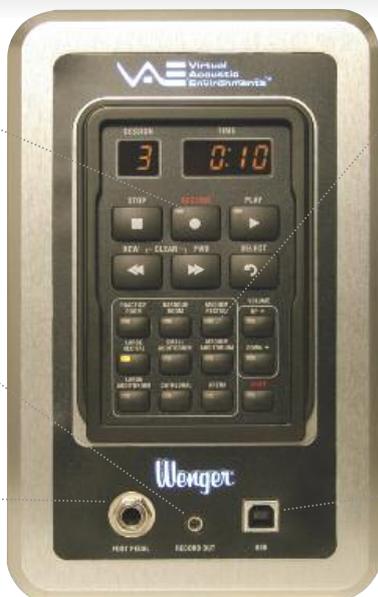
"My students use the acoustical settings a lot, and I've encouraged them to experiment. Having the VAE technology helps them discover how they need to adjust their playing to different acoustical environments."

– Jennifer Mann, Band Director, Lindsay Thurber
Comprehensive High School, Red Deer, Alberta, Canada

Capable of record and playback of 9 sessions for one hour of total length.

Mini stereo output jack for real-time recording.

Connection for optional foot controller that allows for hands-free operation.



Presets for 9 distinct virtual acoustical environments:

- Practice Room
- Baroque Room
- Medium Recital Hall
- Large Recital Hall
- Small Auditorium
- Medium Auditorium
- Large Auditorium
- Cathedral
- Arena

USB connection for uploading and downloading recorded programs.



CONNECT TO YOUR LAPTOP

A USB connection to your computer or laptop makes it easy to upload accompaniments or download practice sessions.



CONVENIENT FOOT SWITCH

The optional foot switch provides hands-free record and playback from anywhere in the room.

Add a few thousand square feet to your practice room with the push of a button

A SoundLok™ Sound-Isolation Room with VAE technology is the future of practice rooms and it's already adding value to music programs across the country. It puts students, educators and performers a push of a button away from nine distinct performance and practice environments. Record and playback features maximize instruction and practice sessions.



RHYTHM! Discovery Center, Percussive Arts Society, Indianapolis, Indiana

STUDIO VAE® TECHNOLOGY ACOUSTICAL DOORS



Kettering Fairmont High School, Kettering, Ohio

RESOURCES

Companion Products:

Sound-Isolating Practice Rooms
page 90-91



Literature available:

(call or download from the web)



Brochure, Product and Tech Sheets



Web link: www.wengercorp.com/acousticalproducts

Studio VAE® Technology

Now you can install the VAE technology into a private teaching studio or existing built-in practice room in an affordable, easy-to-install package. The Studio VAE Technology includes the same basic features:

- Nine choices of performance spaces, ranging from practice room to arena
- Record/playback capability to provide instant feedback during a practice session
- Upload/download capability to record a practice session or upload accompaniments



The Studio VAE Technology includes the following components:

- VAE digital processor (placed on a table/shelf, or may be rack-mounted)
- Four speakers with fabric covers (placed in each corner of the room at ceiling height)
- Two microphone wall absorber panels (1' x 2' x 3" thick) (30 cm x 61 cm x 7.6 cm)
- VAE control panel pedestal
- Control panel cable, speaker wire, cable connectors and wire mold kit for complete installation

Note: Recommended for rooms up to 180 square feet.

ORDERING INFORMATION

Please call your Wenger representative for consultation



"The biggest advantage of the Studio VAE is providing students the opportunity to practice and hear themselves in different acoustical environments. Our recital hall is heavily scheduled, so students only have limited opportunities to get accustomed to that environment. Students can easily download their own recordings or accompaniment parts from the Studio VAE directly to their laptops or flash drives. I also use it for evaluating students."

– Robert Smith, Associate Professor of Voice and Vocal Literature, St. Olaf College, Northfield, Minnesota

Pre-Engineered Acoustical Doors

We've heard too many horror stories about poorly fitting doors and inadequate sound isolation. That's why Wenger engineers and acoustical experts have created an acoustical door that provides superior sound isolation. We've created an advanced split-frame design that accommodates virtually any wall thickness so every Wenger acoustical door fits perfectly. After all, even a small gap or imperfection can create enormous acoustical problems. Because our doors are pre-engineered, you'll be assured a high-integrity installation.

USAGE

Superior sound isolation for your rehearsal rooms

PERFORMANCE REQUIREMENTS

- Minimizes sound leakage outside of room to surrounding environments
- Continuous cam-lift hinge improves sound isolation and eliminates pinch points
- Superior Teflon®-coated sweep-seal and stainless steel sill plate allows door to close easier and create a better seal
- Split-frame design provides superior installation and dependable performance



CONSTRUCTION

- Most doors with 1-hour UL® fire rating
- Durable, maintenance-free hinges up to 100,000 cycles
- Standard mortise pocket for easy leverest installation
- Door widths: 3' (91 cm), 3 1/2' (107 cm), 4' (122 cm), and 6' (1.8 m) double door with removable mullion
- Installs in wall thicknesses 4 1/2" (11 cm) to 12 1/2" (32 cm)

ORDERING INFORMATION

Pre-Engineered Acoustical Doors come in a variety of configurations and sizes. Please call your Wenger representative so that we can first thoroughly understand your needs in order to provide the best solution and an estimate.



Windows

The windows of Wenger Pre-Engineered Acoustical Doors are composed of two panes of safety glass that are insulated by a 2" (5 cm) sealed air space.



Solid

Accent Window

Full Window

Double Doors with Full Windows



WCAL-FM Studios, St. Olaf College, Northfield, Minnesota



"We have a large number of Wenger Acoustical Doors throughout our music facility – including on offices and rehearsal rooms – and the soundproofing works great."

– Kelly Rushfeldt, Band Director
San Marcos High School, San Marcos, Texas



Kettering Fairmont High School, Kettering, Ohio

ACOUSTICAL PANELS



Kettering Fairmont High School,
Kettering, Ohio

RESOURCES

Companion Products:

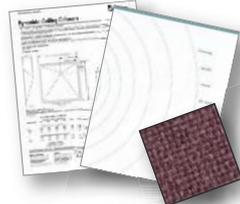
AcustiCabinets
page 53



Literature available: (call or download from the web)



Brochure,
Tech Sheets
and Fabric
Samples



Web link: www.wengercorp.com/acousticalproducts

Rehearsal Acoustical Treatments

Whether you're building a brand-new rehearsal space or need to enhance your existing space, Wenger can provide the expertise and acoustical panels to help you succeed. We design and manufacture our own highly advanced acoustical products and Wenger knows how to apply them to optimize the acoustics in your room.



Wall and ceiling acoustical panels

Performance Acoustical Treatments

Working with acousticians and architects, we use our decades of expertise to identify and help engineer the right solutions to treat any acoustical problems in your audience area: hot spots where sound concentrates, dead spots where music never reaches, and flutter echoes and excessive reverberation. By using a combination of ceiling clouds and acoustical panels, we've already helped hundreds of school auditoriums and world-class concert halls. With a call to your Wenger representative, we can do the same for you.



Ceiling clouds and wall acoustical panels



"Our band hall has Wenger acoustical panels on the wall, which are a big help in balancing the sound and controlling the overall loudness."

– Sandra McCormick, Band Director,
Brewer High School, Fort Worth, Texas

EACH PANEL IS TUNED TO A PARTICULAR ACOUSTICAL TASK

Wenger has engineered five unique technical designs, in dozens of sizes, shapes, and diffusion angles, to yield a broad selection of acoustical panels.



Environmentally responsible

Fabric made of 100% recycled material



ABSORBER PANELS

Suited for a wide range of music environments. Designed to neutralize the reverberation and loudness of a room. Engineered to absorb sound across a broad frequency range for effective, balanced abatement.



TYPE I CONVEX DIFFUSER PANELS

Designed to scatter and blend sound, these panels diffuse middle- to high-range frequencies that define timbre and articulation.



TYPE II CONVEX DIFFUSER PANELS

Significantly larger than Type I panels, but with the same shape. In addition to sound-diffusion qualities, they selectively absorb low-frequency sound.



QUADRATIC DIFFUSER PANELS

Engineered to provide the most effective diffusion in the 750 Hz to 3300 Hz range. These 4' x 4' (122 cm x 122 cm) diffusers are designed as easy-to-apply ceiling in-lays.



PYRAMID DIFFUSER PANELS

Impact-resistant ceiling and wall diffuser panels feature an offset pyramid shape to treat specific acoustical applications. Ceiling mounts in 4' x 4' (122 cm x 122 cm) and 2' x 2' (61 cm x 61 cm) sizes. Wall-mount in 4' x 4' (122 cm x 122 cm) only.

Wenger acoustical panels add visual appeal. You can choose from more than 48 attractive fabric colors to coordinate with other Wenger products, and complement your color scheme.



Solving Acoustical Problems

Hot spots. Dead spots. Flutter echoes. Excessive reverberation. They're all acoustical problems that make rehearsals nearly impossible and performances disappointing.

Wenger has the acoustical products – and decades of accumulated expertise – to help you optimize the sound in rehearsal rooms and school auditoriums. Call your Wenger representative to discover the quality hundreds of schools and professional auditoriums are already enjoying.

Estimates for New and Existing Rehearsal Rooms

Whether we're working with your existing space or helping you design a new space, Wenger can help you get exactly what you need. To provide you with an accurate budget estimate we'll need:

- Architectural plans, if available, for existing rooms or a detailed drawing of floor plans and cross-sections. NOTE: Indicate locations of anything on the walls that could restrict panel placement. Effective treatments require a minimum of 30% open, treatable wall space 5' (1.5m) above the floor to ceiling.
- Proposed ceiling height (Wenger recommends 18'–22' (5.5 m–6.7 m) or current ceiling height should be more than 10' (3 m) for proper treatment.
- Type of ceiling. NOTE: Open grid or lay-in acoustical ceilings are preferable.
- Number of students occupying the room.
 - Minimum of 150 cubic feet per student required for existing facilities.
 - New construction ideally provides 550–700 cubic feet per student for Band/Orchestra; 350–500 cubic feet per student for Choral.
- Direction students will face in the room.
- Materials covering walls, floors, and ceilings.

ACOUSTICAL SHELLS



Tempe Center for the Arts, Tempe, Arizona

RESOURCES

Companion Products:

Signature Risers
pages 112-113



Literature available:

(call or download from the web)



Product Sheet
and Tech
Sheet



Web link: www.wengercorp.com/acousticalproducts

Acoustical Shells

The choir is in the process of sending Handel's "Messiah" to new heights. But the audience isn't hearing the actual performance. The crystalline notes being delivered with such purity and feeling are somehow turning to ear-numbing mush. Why? The sound is drifting aimlessly up into the fly loft and off into the stage wings. It's being absorbed in the wrong places, in the wrong ways. Even the performers aren't hearing the sounds they're producing.

An acoustical shell will blend the sound throughout the stage and direct it to the audience where it will come alive, vibrantly and precisely, the way it is actually being performed. And when performers can hear what they're doing – and when they know the audience hears them – performances improve.

CREATING GREAT ACOUSTICS

An acoustical shell's job is a complex one and one that Wenger has mastered over the past several decades. A Diva full-stage acoustical shell system can improve not only the acoustics on stage, but throughout the entire auditorium. In fact, compared to using no shell, Diva full-stage acoustical shell systems have the acoustical impact of almost doubling the size of your group.



Diva full-stage acoustical shells reflect sound back to the source so musicians can hear themselves more accurately.



By reflecting and diffusing sound throughout the enclosure, Diva full-stage acoustical shells enhance cross-communication vital to ensemble performance.



For conductors, Diva full-stage acoustical shells deliver a more accurate mix of sounds from the entire orchestra.



Diva full-stage acoustical shells project sound into the audience and prevent sound energy from escaping into the fly loft, curtains and stage wings.

Call your Wenger representative today.

Your Wenger representative can help you put together an affordable system that satisfies your unique needs. Call to discuss any acoustical challenges your facility is experiencing. Or download a Diva brochure or request a hard copy via our website: wengercorp.com

Wenger Acoustical Shell Comparison Chart



	Diva®	Forte™	Legacy® now comes in three designs. See pages 104-107 for details	Travelmaster™
PAGE NO.	100-101	102-103		108-109
USAGE	<ul style="list-style-type: none"> • Standard or custom full-stage enclosure • Optimal on-stage acoustics and sound projection to the audience 	<ul style="list-style-type: none"> • Standard full-stage enclosure • Enhances on-stage acoustics and projection to the audience 	<ul style="list-style-type: none"> • Portable shell design allows almost any space to become a performance venue • Improves projection to the audience 	<ul style="list-style-type: none"> • Traveling acoustical shell provides improved acoustics while on tour or within multiple venues • More suitable for choral groups
WHERE TO USE	<ul style="list-style-type: none"> • Large to medium stages • Performing arts centers, universities, colleges and high schools 	<ul style="list-style-type: none"> • Medium to small stages • Community auditoriums and high schools 	<ul style="list-style-type: none"> • Small auditoriums, gymnasiums and cafeteriums 	<ul style="list-style-type: none"> • Portable shell for any indoor venue
COMPONENTS	<ul style="list-style-type: none"> • Acoustical wall towers • Acoustical ceiling with available integrated lighting 	<ul style="list-style-type: none"> • Acoustical wall towers • Acoustical ceiling with available integrated lighting 	<ul style="list-style-type: none"> • Acoustical wall towers • Optional Forte or Diva ceilings 	<ul style="list-style-type: none"> • Base wall panels and filler panels
SHELL MOBILITY	<ul style="list-style-type: none"> • Air Transporter • Optional non-marring wheeled transporter • Non-marring integrated rear casters 	<ul style="list-style-type: none"> • Integrated non-marring casters • Front casters have a built-in leveling feature 	<ul style="list-style-type: none"> • Integrated heavy-duty soft swivel casters 	<ul style="list-style-type: none"> • Freestanding base without casters
FEATURES	<ul style="list-style-type: none"> • Lightweight aluminum frame • Variety of panel shapes and densities • Custom wood veneer options • Access doors • Lighting package 	<ul style="list-style-type: none"> • Lightweight frame and panel construction • Lighting package • Wide variety of paint and plastic laminate finish options • Access doors 	<ul style="list-style-type: none"> • Portable acoustical shell • Largest coverage area of any portable acoustical shell (each tower is 90 sq. feet) • Can pass through a 3' (91 cm) x 7' (213 cm) door opening 	<ul style="list-style-type: none"> • Modular shell for easy transportation to anywhere there is a performance
STORAGE	<ul style="list-style-type: none"> • Towers nest together for compact storage • Ceilings rotate vertically for storage on stage rigging • Optional ceiling and tower storage carts 	<ul style="list-style-type: none"> • Towers nest together for compact storage • Ceilings rotate vertically for storage on stage rigging • Optional ceiling and tower storage carts 	<ul style="list-style-type: none"> • Towers nest together for compact storage 	<ul style="list-style-type: none"> • Legs are detachable for compact hauling and storage
PANEL MATERIAL	<ul style="list-style-type: none"> • Composite panel, 2" thick 	<ul style="list-style-type: none"> • Composite panel, 1" thick 	<ul style="list-style-type: none"> • Composite panel, 1" thick • Thermofused laminate 	<ul style="list-style-type: none"> • Molded ABS plastic
FINISHES	<ul style="list-style-type: none"> • Wood veneer, painted or plastic laminate 	<ul style="list-style-type: none"> • Painted or plastic laminate 	<ul style="list-style-type: none"> • Several choices - see pages 105-107 for details 	<ul style="list-style-type: none"> • Oyster

DIVA® FULL-STAGE ACOUSTICAL SHELLS



Booker T. Washington School for the Performing and Visual Arts, Dallas, Texas

RESOURCES

Companion Products:

Symphony Chair
page 16



Literature available: (call or download from the web)



Product Brochure and Tech Sheet



Web link: www.wengercorp.com/acousticalproducts

Diva® Full-Stage Acoustical Shells

An investment in Diva acoustics will reward you the first time you hear the remarkable difference. Diva is a beautiful centerpiece for your stage that is engineered to last for years and years.

Diva is also incredibly easy to use, so you can use it more often. No other acoustical shell gives you so much long-term value.



USAGE

- Beautiful, full-stage acoustics for optimum on-stage sound and excellent sound projection to the audience
- Perfect for medium and large theatres

PERFORMANCE REQUIREMENTS

- Lightweight construction with the industry's first all-aluminum frame
- Safe, easy setup with the exclusive Air Transporter
- Built-in leveling pads
- Overhead panels raise and lower with theatre rigging and can be flown in the fly loft when not in use
- Panels rotate easily into position
- Panel angles adjust quickly
- Modular design accommodates everything from string quartets to full orchestras



Stage access doors are wide enough to allow a grand piano to pass through.

CONSTRUCTION

- Wood veneer, laminate, and painted finishing options
- Handcrafted composite panel construction
- Trim strips match or accent panel finish
- Lower wing sections open creating access doors
- Counter-weighted base for superior stability
- Designed to accommodate your specific space
- Stores compactly

ORDERING INFORMATION

Many sizes and options available.
Please call your Wenger representative for consultation.

Engineered and built to the highest standard

Look closely at the engineering of Wenger Diva shells to see the enormous advantages:

- Top-notch acoustical performance over a broad range of frequencies.
- Innovative composite-panel construction provides superior acoustical performance with lightweight rigidity.
- All-aluminum frame provides exclusive advantages, including superior rigidity and unparalleled operation.
- Counter-weighted base for stability and safety.
- Ceiling panels rotate easily into position, quickly adjust to optimum angle.
- Lower wall tower wing sections open for performer and equipment access.
- Stable counter-weighted base with built-in leveling pads sets up safely and easily with the use of Wenger's exclusive Air Transporter.
- Modular design accommodates ensembles from string quartets to full orchestras.
- Ability to produce custom aesthetics at a lower cost is a Wenger exclusive.

Aesthetics designed to the highest standard

Diva full-stage acoustical shells build on the visual elements of your auditorium, adding the special effects of elegant wood veneer or your choice of laminate, painted, or custom finishes.



"Acoustically the Diva shell makes a world of difference. We can hear everything beautifully – it's amazing! The shell looks great too, coordinating nicely with the Diva panels in the seating area. It's the perfect package."

*– Luis Martinez, Band Director,
Booker T. Washington High School for the Performing
and Visual Arts, Dallas, Texas*

"Our Diva shell is finished in a beautiful Honduran mahogany veneer – it's absolutely gorgeous. Our technical staff appreciates the Diva's versatility and easy handling. Working with Wenger on our new facility was a really nice collaboration. They understood our objectives and whenever we had needs, Wenger stepped up and met them."

*– Don Fassinger, Manager,
Tempe Center for the Arts, Tempe, Arizona*

Diva® Installations Around the World:



*Sankei Hall
Osaka, Japan*



*Teatro Del Canal
Madrid, Spain*



*Parkstad Limburg Theater,
Heerlen, Netherlands*



*The Tivoli Concert Hall
Copenhagen, Denmark*



SUPERIOR CONSTRUCTION

A Diva full-stage acoustical shell's extruded aluminum structural frame is powerfully rigid to keep the panels aligned for superb visual appearance. Plus the aluminum frame makes for a much lighter structure contributing to easier mobility.



CREATING A NEW STANDARD IN ELEGANT DESIGN.

A Diva full-stage acoustical shell's all-aluminum frame is an industry first. Lightweight, honeycomb composite panels deliver excellent sound reflection for an outstanding acoustical effect.



CEILING PANELS EFFECTIVELY DIRECT SOUND.

Accurately reflect sound within a performance area to give critical feedback. Conserve and direct maximum sound to an audience.



TOWERS GLIDE ON A CUSHION OF AIR.

With Wenger's exclusive Air Transporter, Diva full-stage acoustical shell towers glide into place under the power of pressurized air. It's easier on setup and even easier on floors.



A COMPLETE CUSTOM LOOK.

Strong lines and gentle curves of Diva full-stage acoustical shell components create an inspiring visual effect. Handcrafted panels finished in an array of wood veneer, paint, or laminate finishes achieve a commanding effect.

FORTE™ ACOUSTICAL SHELL



2008 Honor Band of America
Music For All National Festival, Indianapolis, Indiana
Houston, Texas

RESOURCES

Companion Products:

Nota Premier Chair
pages 12-13



Literature available:

(call or download from the web)



Product Sheet,
DVD and Tech
Sheet



Web link: www.wengercorp.com/acousticalproducts

Forte™ Acoustical Shell

Wenger pioneered acoustical shell design and our new Forte Acoustical Shell is a welcome, worthy addition to our line. Forte offers unmatched value. It's a cost-effective acoustical solution for small- to medium-size performance spaces that delivers impressive full-stage acoustics, a beautiful visual appearance, and ease-of-use – all at an affordable price.



USAGE

- Cost-effective alternative to large full-stage acoustical shell systems or portable acoustical shells
- Ideal for small-to-medium size performance spaces including auditoriums, recital halls and theatre venues

PERFORMANCE REQUIREMENTS

- Easy and safe to set up; requires only 2 people
- No tools required for setup
- Configures to accommodate groups of varying sizes
- Self-contained on-stage transport method includes braking mechanism
- Counter-weighted base for superior stability
- Towers nest together for easy, space-saving storage
- Tower includes vertical trim strip
- Ceilings include angle adjustment

CONSTRUCTION

- 1" thick honeycomb core panel for optimal sound reflection
- 8' (2.4 m) wide panels
- 16' (4.8 m) to 20' (6 m) towers
- Ceilings rotate for storage in fly loft, 14" depth (35.5 cm)
- Single curve, 10' (3 m) radius
- Non-marring casters
- Variety of laminate finishes available
- Available in any paint color
- Optional access doors
- Optional lighting package

ORDERING INFORMATION

Please call your Wenger representative for consultation.



ECONOMICAL USE OF SPACE

Forte Acoustical Shells nest together to most efficiently use precious storage space.



"The Forte ceiling panels made a stunning acoustical transformation to our auditorium. Musicians onstage can now play correctly, instead of overplaying to be heard. The sound is true and accurate – the technical parts, runs and clarity all improved instantly. As a conductor or member of the audience, I can now hear everything clearly."

– Bill Davern, Director of Fine Arts, West Genesee Central School District, Camillus, New York



MOVEMENT AND TRANSPORT

Forte Shells are surprisingly easy to move across a stage floor. When your performance is over, Forte moves safely and easily to a nested configuration for compact storage.



OPTIONAL ACCESS DOORS

Exit stage left. Access doors allow performers and instruments to move on and off stage without moving a tower.



COMPACT STORAGE

An easily removable panel allows towers to nest together for very compact storage.



CEILING PANELS

Forte ceiling panels complete your full shell by providing critical acoustic and aesthetic elements. They ensure that musicians can hear each other while projecting sound to the audience, rather than having the sound lost in the fly loft. Forte ceilings also create a complete aesthetic appearance that enhances the look of every performance. Optional integrated lighting provides uniform lighting throughout the shell. Forte ceilings are suspended from typical stage rigging systems.



LEGACY® ACOUSTICAL SHELLS



Lower Lake High School, Lower Lake, California

RESOURCES

Companion Products:

Signature Risers
pages 112-113



Literature available:

(call or download from the web)



Product
and Tech
Sheets



Web link: www.wengercorp.com/acousticalproducts

Legacy® Acoustical Shell



The latest Wenger technology gives you three attractive, effective acoustical shell options to fit your application and budget. The Legacy system can be set up quickly and easily – by just one person. Its mobility allows you to acoustically transform almost any space within a facility into a performance venue.

We pioneered acoustical shell design, so it's no surprise that our honeycomb core panel construction delivers enhanced acoustics to both the ensemble and the audience. When the performance is over, Legacy acoustical shells take down in no time and nest together compactly.

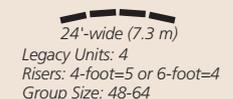
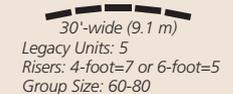
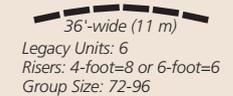
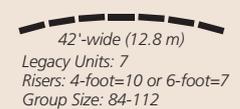
LEGACY SHELL SETS - BASIC AND CLASSIC MODELS

Legacy can be configured to accommodate virtually any size performing group. Please call your Wenger rep for help finding the perfect set for your ensembles. Available in tapered and rectangular canopy options.

LEGACY BAND/ORCHESTRA SETS



LEGACY CHORAL SETS



Refer to the charts below when using Legacy Acoustical Shells with choral groups, bands or orchestras. Basic and Classic Models

LEGACY CHORAL SETS			
GROUP SIZE	NUMBER OF 4-FOOT RISER UNITS USED	NUMBER OF 6-FOOT RISER UNITS USED	LEGACY COMPONENTS USED
36-48	4	3	3 Units
48-64	5	4	4 Units
60-80	7	5	5 Units
72-96	8	6	6 Units
82-112	10	7	7 Units

LEGACY BAND/ORCHESTRA SETS	
GROUP SIZE	LEGACY COMPONENTS USED
60-75	12 Units
85-96	13 Units
100-110	16 Units

Legacy Acoustical Shell Comparison Chart

 <p><i>"I cannot believe the difference in sound when the Legacy shell is up. Our gym has very good acoustics, but I can clearly tell whether or not the shell is up. The Legacy shells are very easy to work with – my kids and I can easily handle them."</i></p> <p>– Cydney Dixon, Band Director Lower Lake High School, Lower Lake, California</p>	<h3 style="text-align: center;">Basic</h3> 	<h3 style="text-align: center;">Classic</h3>  <p style="text-align: center;">The original design – improved!</p>	<h3 style="text-align: center;">Select</h3> 
USAGE	<ul style="list-style-type: none"> • Portable shell that allows any space to become a performance environment • Improved projection to the audience 		<ul style="list-style-type: none"> • Portable shell designed to be used primarily with an overhead ceiling system for on-stage use.
WHERE TO USE	<p style="text-align: center;">Small auditoriums, gymnasiums, cafeteriums and recital halls</p>		<p style="text-align: center;">Small auditoriums and recital halls</p>
COMPONENTS	<ul style="list-style-type: none"> • Lift mechanism with crank • Acoustical wall towers • Fold down canopy for storage 		<ul style="list-style-type: none"> • Acoustical wall towers • Use with ceiling system for optimum performance
SHELL MOBILITY	<ul style="list-style-type: none"> • Integrated non-marring casters • Moves easily by one person 		
FEATURES	<ul style="list-style-type: none"> • Flat panel design, with tapered or rectangular 36" (91 cm) high canopy • Folds flat and nests for storage • Portable shell on casters • 78 square feet (23.8 m) of shell coverage, 8" (20 cm) gap from floor with protruding legs in front of shell • Passes through a 34" (86 cm) wide x 80" (2 m) high door • Canopy adjusts at 45, 60, 75 and 90 degree angles 	<ul style="list-style-type: none"> • Flat panel design, with tapered or rectangular 54" (1.4 m) high canopy • Folds flat and nests for storage • Portable shell on casters • 90 square feet (27.4 m) of shell coverage, • 2" (5 cm) gap from floor • Passes through a 34" (86 cm) wide x 80" (2 m) high door • Canopy adjusts at 45, 60, 75 and 90 degree angles 	<ul style="list-style-type: none"> • Curved panels for maximum acoustical performance • Foldable top panel for storage • Removable bottom panel for storage • 60 square feet (18.3 m) of shell coverage at 12' (3.7 m) height • 2" (5 cm) gap from floor • Passes through a 34" (86 cm) wide x 80" (2 m) high door
HEIGHT	<p>13' (4 m)</p>	<p>15' 2" (4.6 m)</p>	<p>12' (3.7 m)</p>
STORAGE	<p style="text-align: center;">Shells nest together for storage, each unit adds 10" (25.4 cm)</p>		<p style="text-align: center;">Towers nest together for storage, each unit adds 21" (52.5 cm)</p>
PANEL MATERIAL	<ul style="list-style-type: none"> • Flat composite panel, 3/4" (1.9 cm) thick with lightweight aluminum edging • 6' (1.8m) wide panel 	<ul style="list-style-type: none"> • Flat composite panel, 1" (2.5 cm) thick with lightweight aluminum edging • 6' (1.8m) wide panel 	<ul style="list-style-type: none"> • Curved composite panel, 1" (2.5 cm) thick with thermofused laminate finish • Lightweight aluminum edging • 5' (1.5 m) wide panel
FINISHES	<p>Oyster laminate only</p>	<p>Four solid color laminates</p>	<p>Any Sherwin Williams paint color or Wilsonart laminates</p>
PRICE	<p>#186G016 Tapered Canopy\$1,595 #186G017 Rectangular Canopy ..\$1,595</p>	<p>#186G300 Tapered Canopy\$2,330 #186G300 Rectangular Canopy\$2,330</p>	<p style="text-align: center;">Please call your Wenger representative for consultation.</p>

Legacy® Basic Acoustical Shell

USAGE

Portable design allows almost any space to become a performance venue with simple one-person setup

PERFORMANCE REQUIREMENTS

- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

CONSTRUCTION

- Upper panels are flat in standard 1" (2.5 cm) thick. Lower panel is 3/4" (2 cm) thick. All are 6' (1.8 m) wide
- Lower fixed panel is constructed of 3/4" (2 cm) thick composite laminated wood with edgebanding
- Easy, intuitive lift mechanism for raising and lowering shell
- Canopy folds flat for storage, and middle panel overlaps bottom panel
- Legs protrude in front of shell to provide counterweighted base design
- No kicker panel, bottom panel rests 8" (20 cm) from floor
- Canopy is 36" (91 cm) high providing less coverage than Legacy Classic model
- Fully extended height is 13' (4 m)
- Ships fully assembled
- Available in Oyster finish only
- Canopy adjusts to 45, 60, 75 and 90 degree angles



ORDERING INFORMATION

- 186G016 Legacy Basic, Tapered Canopy, 325 lbs (146 kg).....\$1,595
 186G017 Legacy Basic, Rectangular Canopy, 333 lbs (150 kg).....\$1,595

1-PERSON SETUP



Roll shell into place. Adjust snap-in pins for desired canopy angle.



Lift canopy to preset angle for optimum sound projection.



Turn handle of lift mechanism to set shell height into performance position.



INNOVATIVE DESIGN FOR EASY SETUP

Easy-to-turn handle on the frame raises the shell to the maximum height in just six turns.



Shells nest together for compact storage.



Snap-in pin sets canopy to any of 4 preferred angles.



Guides allow for smooth height adjustment and stop panel at full height.



A continuous hinge allows canopy to fold and raise easily.

Legacy® Classic Acoustical Shell

USAGE

Portable design allows almost any space to become a performance venue with simple one-person setup

PERFORMANCE REQUIREMENTS

- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

CONSTRUCTION

- Panels are flat in standard 1" (2.5 cm) construction, 6' (1.8 m) wide
- Improved lift mechanism to raise and lower shell
- Canopy folds flat for storage and is adjustable to 45, 60, 75 and 90 degree angles
- Kicker panel provides coverage within 2" (5 cm) of floor, and folds up for storage
- All panels fit flush with no overlap shadows
- No unsightly exposed fasteners
- Fully extended height is 15' 2" (4.6 m)
- Canopy is 54" (137 cm) high and available in tapered or rectangular design
- In storage position, unit fits through 34" (86 cm) wide by 80" (2 m) high door
- Available in four solid color finishes
- Includes counterweighted base system, with no legs protruding in front of shell
- Units nest for storage



ORDERING INFORMATION

- 186G300 Legacy Classic, Tapered Canopy, 414 lbs (186 kg)\$2,330
 186G300 Legacy Classic, Rectangular Canopy, 426 lbs (192 kg)\$2,330

1-PERSON SETUP



Roll shell into place. Lower its kicker panel and raise and set the canopy.



Use tool to adjust canopy angle for optimum sound projection.



Turn handle of lift mechanism to set shell height into performance position.



INNOVATIVE DESIGN FOR EASY SETUP

Easy-to-turn handle on the frame raises the shell to the maximum height in just six turns.



Shells nest together for compact storage.



Magnetic latch holds panels in performance position.



Canopy locks in the desired position.



Panels fit together when in performance position without overlapping.

Legacy® Select Acoustical Shell

USAGE

Portable shell designed to be used primarily with an overhead ceiling system for onstage use.

PERFORMANCE REQUIREMENTS

- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

CONSTRUCTION

- Curved 1" (2.5 cm) thick panels to provide superior cross-communication of sound
- Use with overhead ceiling system for optimum acoustical performance
- Counterweighted base system
- Panels are tower design, 5' (1.5 m) wide
- Top half of panel folds flat for storage, and includes lift assists to raise and lower
- Bottom panel is removable for nesting and stores on back of tower frame
- Maximum height is 12' (3.7 m)
- In storage position, unit fits through 34" (86 cm) wide by 80" (2 m) high door opening
- Available in several paint finishes and woodgrain laminates
- 502 lbs (226 kg)
- Non-marring casters



ORDERING INFORMATION

Please contact your Wenger Representative for Consultation.

FREEDOM & FLEXIBILITY OF 1-PERSON SETUP



Roll tower into place. Gas-assisted pistons help raise the top panel

Use tool to raise top panel to its full height.

Remove kick plate from back of tower and set in place.

Fasten top and bottom fasteners.



Upper panel latches securely into performance position.

Filler panel neatly stores on rear of shell.

Upper panel lifts easily with the help of gas assisted pistons.

Shells nest together for compact storage.

LEGACY® ACOUSTICAL SHELLS



Heartland Community College, Normal, Illinois

RESOURCES

Companion Products:

Signature Risers
pages 112-113



Literature available:

(call or download from the web)



Product and Tech Sheets



Web link: www.wengercorp.com/acousticalproducts

TRAVELMASTER™ ACOUSTICAL SHELL



Forest City High School, Forest City, Iowa

RESOURCES

Companion Products:

Tourmaster Risers
pages 114-115



Literature available:

(call or download from the web)



Product
and Tech
Sheets



Web link: www.wengercorp.com/acousticalproducts

Travelmaster™ Portable Acoustical Shell

Poor acoustic venues can spoil even your finest performances. But Travelmaster Acoustical Shells allow you to take a familiar acoustical environment with you wherever you go. Excellent sound reflection helps musicians hear better, so tone, timing, and balance can be perfect in any environment. And, as the name suggests, Travelmaster shells travel, set up easily and store in an extremely small space.

USAGE

Provide consistent acoustics on tour or performing at your own facility

PERFORMANCE REQUIREMENTS

- Durable, lightweight panels provide large, acoustically reflective geometric surfaces
- Legs designed to fold out for fast setup
- Legs are detachable for compact hauling and storage

CONSTRUCTION

- Base panels adjust from 9' 4" (2.8 m) to 12' 2" (3.7 m) heights
- Filler panels attach to base panels – each is 9' 6" x 37" (2.9 m x 94 cm)
- Formed ABS Panels
- Clean, attractive painted steel framework

STORAGE

- Three compact storage options:
 - standing/nested with fillers on back side
 - flat in a stack for vehicle transport
 - Wenger Move & Store Cart (see information below)

ORDERING INFORMATION

L015	Travelmaster Shell Base Panel, 87 lbs (39 kg).....	\$1,002
L035	Travelmaster Shell Filler Panel, 20 lbs (9 kg).....	\$547
064A170	Travelmaster Move & Store Cart, 75 lbs (34 kg).....	\$759

MOVE & STORE CART

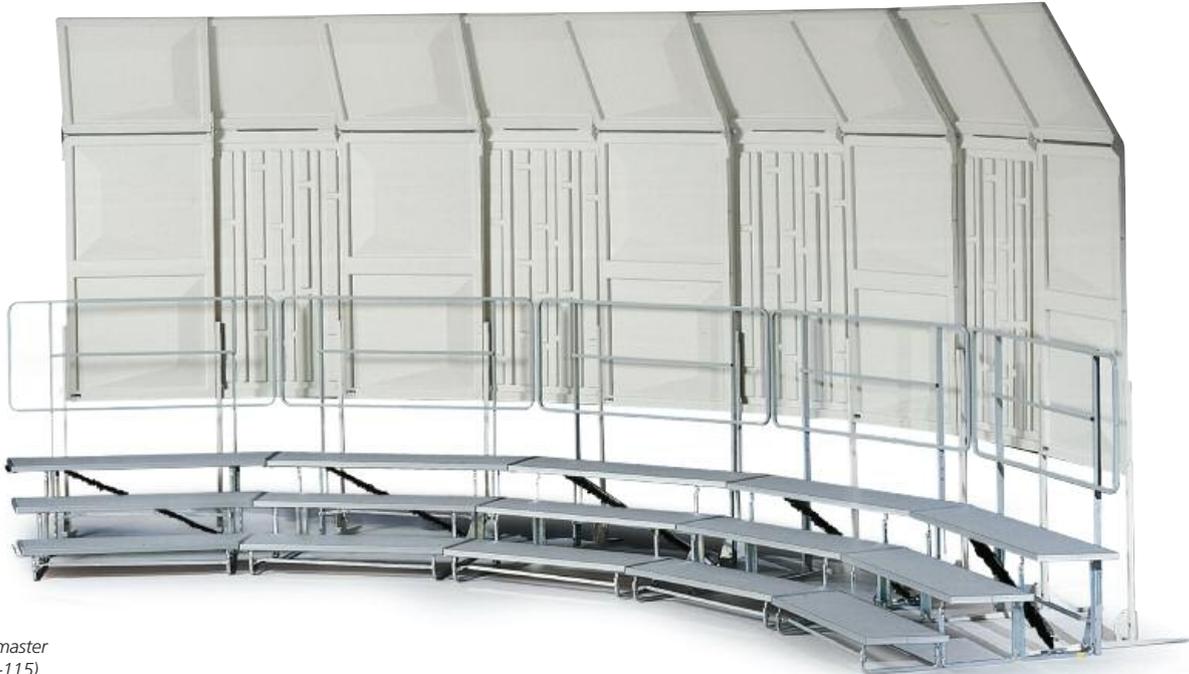
- One cart holds the components to accommodate an entire 60- to 80-member choir or small instrumental ensemble: five base panels, four filler units.
- Cart and its contents store in a space just 79" w x 29" d x 47" h (201 cm x 74 cm x 119 cm).
- Built-in steering handle and swivel casters give this lightweight (75 lb./34 kg.) cart exceptional agility.



Alternating base panels with folding legs and filler panels interlock quickly and securely to project consistent sound.



Filler panels are easy to hang. Simply slide panel pin into base panel slot.



Shown with Tourmaster Risers (pages 114-115)

ORDERING INFORMATION

TRAVELMASTER ACOUSTICAL SHELL SETS

A Travelmaster Acoustical Shell Set can fit the needs of any size group. For groups on the go we recommend using them with Tourmaster Choral Risers. Shown here are some of the most common sets for band/orchestra and choral, but we recommend calling a Wenger representative before ordering to ensure you get what you need.

Refer to the charts below when using Travelmaster Acoustical Shells with choral groups, bands or orchestras.



"We perform in the gym, and without the Travelmaster shell our sound would go straight up into the ceiling. The shell does the job – it's very projective. The shell is usually not up when we rehearse in the gym so I've experienced the sound both ways."

– Steve Faison, Choral Music Director,
Cambridge Middle School, Cambridge, Minnesota

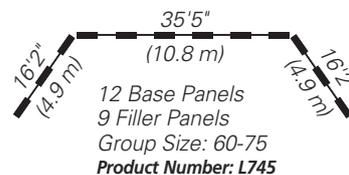
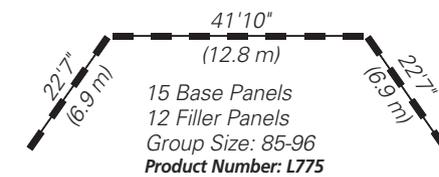
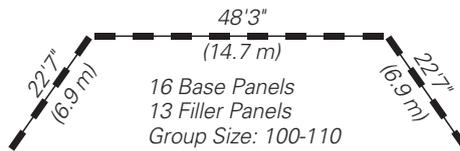
TRAVELMASTER CHORAL SETS

GROUP SIZE	NUMBER OF 4-FOOT RISER UNITS USED	NUMBER OF 6-FOOT RISER UNITS USED	TRAVELMASTER COMPONENTS USED	TRAVELMASTER SET NUMBER
36-48	4	3	3 Base Panels 2 Filler Panels	L515
48-64	5	4	4 Base Panels 3 Filler Panels	L525
60-80	7	5	5 Base Panels 4 Filler Panels	L535
72-96	8	6	6 Base Panels 5 Filler Panels	L545
82-112	10	7	7 Base Panels 6 Filler Panels	L555

TRAVELMASTER BAND/ORCHESTRA SETS

GROUP SIZE	TRAVELMASTER COMPONENTS USED	TRAVELMASTER SET NUMBER
60-75	12 Base Panels 9 Filler Panels	L745
85-96	15 Base Panels 12 Filler Panels	L775
100-110	16 Base Panels 13 Filler Panels	L785

TRAVELMASTER BAND/ORCHESTRA SETS



TRAVELMASTER CHORAL SETS

