

# The Perfected Acoustical Environment

The Original Sound Absorbing Plaster System



**BASWaphon**  
Sound Absorbing Plaster System

See and hear the difference.

BLUE HILL AT STONE BARNES - POCANTICO HILLS, NY

## CREATING AN INTELLIGIBLE SPACE

Reverberation has an important impact on speech intelligibility, affecting safety, learning, or the quality of a conversation. By absorbing reflected sound BASWAphon makes conversation clearer, even in harsh situations, by reducing reverberation time. BASWAphon delivers premium acoustical environments in a variety of high end commercial, retail and residential spaces.

BASWA acoustic provides customers with a cost effective, premium material backed by consistent, reliable service. BASWAphon is continuously improved to ensure the smoothest, highest quality surface available with the highest NRC Ratings in the industry.

## AVAILABLE IN 5 STANDARD FINISHES



### Classic Fine & Fine Finishes

Smoothest, finest grained, troweled finish.



### Resilient & Base Finishes

Washable, mold and mildew resistant, troweled smooth Base 407 finish.



### Frosted Finish

Washable, mold and mildew resistant, maintainance friendly, light sand finish.

## CUSTOM FINISHES

Custom Finishes are available upon request. Finishes can replicate "Old World" plaster aesthetics.

## THE BASWaphon ADVANTAGE

- **The Original.** BASWaphon is the original, most specified sound absorbing plaster system, with over 25 years of installations.
- **Seamless Flat, Curved, Domed, and Vaulted Surfaces.** Up to 5,000 square feet without a control joint can be applied to flat or complex surfaces.
- **Highest Sound Absorption.** BASWaphon has NRCs up to 1.05, making it the the most absorptive plaster on the market.
- **Tinted to Match any Color.** No adverse effects on acoustical performance with uniform color.
- **Made in USA.** Only sound absorbing plaster system with components made in the United States.



- **Great in Humid Environments.** Resilient, Frosted and Base Finishes are not water soluble and are mold, moisture and mildew resistant. Perfect for spas and natatoriums. All finishes rated 10 / 10, signifying no mold growth per the ASTM D 3273. .
- **Pre-Coated, Pre-Sanded Rigid Supporting Panel.** Ensures smoothest possible surface. Rigid Supporting Panel will not separate or compress. Beveled edge of Pre-Sanded Panel requires no taping, ensuring no telegraphing seams.
- **Light Weight.** Approximately 1.5 lb per square foot.
- **LEED Contribution Points in 9 Categories.** Up to 95% recycled materials, MSDS friendly, high light reflectance and a high R-value. Member of USGBC. No VOCs and compliant with the California Section 01350.
- **Warranties.** Five year warranty available.
- **Field Applied by Certified, Local Installers.** Over 115 Local Independent Contractors have been trained on-site. Installation takes 2 to 3 days; no field measurements, no shop drawings.
- **In Stock and Ready for Immediate Delivery.**
- **Durable, Repairable, and Easily Cleanable.**
- **Class A Fire Rated.**
- **No Drywall Blocking.** Not required for light fixtures, diffusers or terminations.
- **Access Panels.** Trimless access panels up to 8'x 8' available with BASWaphon Finish on the face.

## HOW BASWaphon WORKS

High frequency sound absorption is accomplished by allowing sound wave energy to pass through the micro pores in the finished surface, thereafter, dissipating it into heat energy in the mineral wool.

Low frequency sound absorption is accomplished when sound wave energy hits the finished surface, causing the "skin" to vibrate in a diaphragmatically against the mineral wool panel, creating a "spring" action. Again, this transforms and dissipates sound energy into heat energy.

## THICKNESSES AND NRC RATINGS

The BASWaphon Sound Absorbing Plaster System is available in 3 thicknesses.

**NRC Ratings**    **30mm – 0.75 - 0.80**  
                           **40mm – 0.85 - 0.95**  
                           **70mm – 0.90 - 1.05**

NRC Ratings vary with the Finish. Coefficient testing is calculated following ASTM C423 Sound Absorption Test guidelines for Type "A" and "E" Mountings. Certified Test Data reflects actual installation conditions and is supplied by an Independent Third Party.

## BASWaphon STC RATINGS

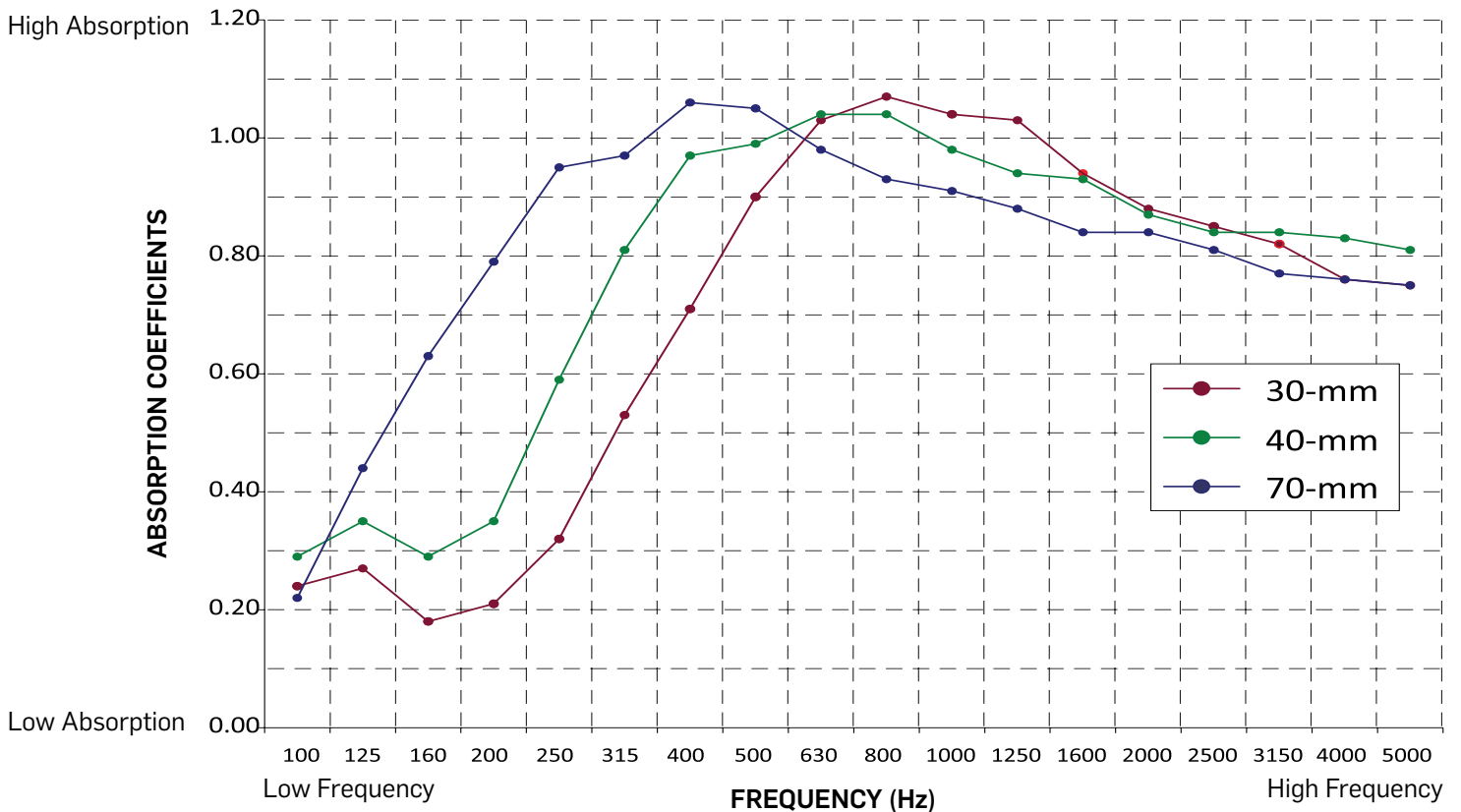
BASWaphon provides an additional 5 to 7 points to an STC Rating. Test Data is available upon request.

## SPECIALTY FINISHES

Test data for custom applications of BASWaphon Pre-Fill, Base 407 and Top Coat over a stable substrate is available upon request.

BASWaphon Acoustical Test Data							
BASWaphon System	Absorption Coefficients (Hz)						NRC Ratings
	125	250	500	1000	2000	4000	
30mm Classic Fine Finish	0.32	0.34	0.86	0.98	0.89	0.72	0.75
40mm Classic Fine Finish	0.31	0.63	0.98	0.90	0.87	0.76	0.85
70mm Classic Fine Finish	0.45	0.92	0.99	0.84	0.84	0.70	0.90
30mm Frosted Finish	0.32	0.32	0.93	1.02	0.92	0.80	0.80
40mm Frosted Finish	0.26	0.49	1.04	1.04	0.91	0.88	0.85
70mm Frosted Finish	0.39	0.98	1.07	0.95	0.90	0.75	1.00
30mm Resilient Finish	0.24	0.30	0.92	1.01	0.90	0.80	0.80
40mm Resilient Finish	0.34	0.52	1.00	1.00	0.88	0.84	0.85
70mm Resilient Finish	0.44	0.95	1.05	0.91	0.84	0.76	0.95
30mm Fine Finish	0.27	0.32	0.90	1.04	0.89	0.80	0.80
40mm Fine Finish	0.35	0.59	0.99	0.98	0.87	0.83	0.85
70mm Fine Finish	0.44	0.91	0.99	0.95	0.82	0.75	0.90
30mm Base Finish	0.32	0.30	0.86	1.09	0.97	0.85	0.80
40mm Base Finish	0.29	0.54	1.04	1.08	0.93	0.88	0.90
70mm Base Finish	0.46	1.03	1.10	1.07	0.94	0.88	1.05

## SOUND ABSORPTION COEFFICIENTS





BASWAphon, seamless sound absorption.

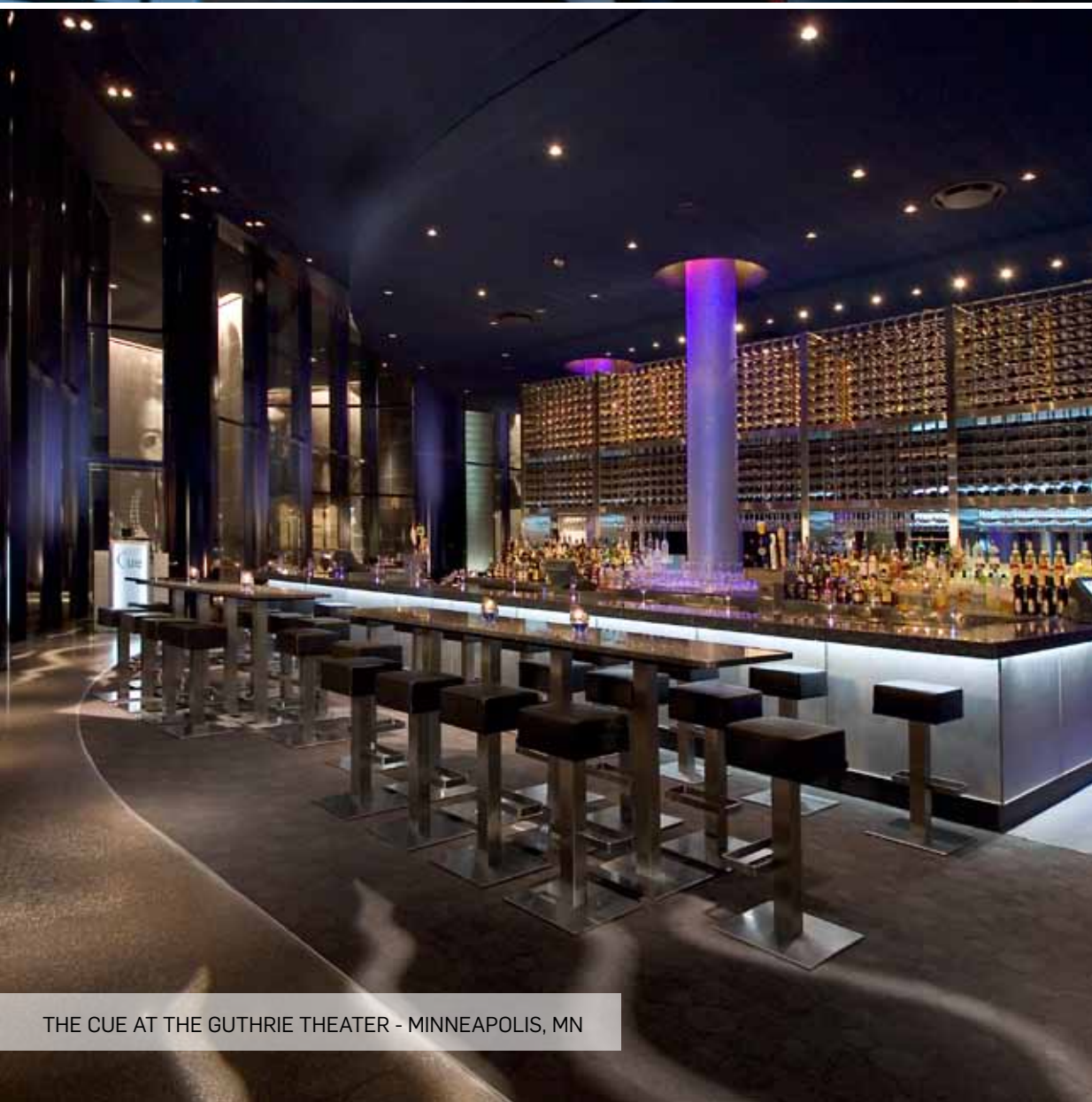
QUEENS THEATER IN THE PARK - CORONA, NY



BASWaphon Base and Finishes made in USA.



COMPUWARE HEADQUARTERS - DETROIT, MI



THE CUE AT THE GUTHRIE THEATER - MINNEAPOLIS, MN

## APPLICATIONS

- Airports
- Atriums
- Auditoriums
- A/V Rooms
- Ballrooms
- Boardrooms
- Broadcast Studios
- Churches
- Cinemas
- Classrooms
- Concert Halls
- Conference Rooms
- Courtrooms
- Financial Exchanges
- Government Facilities
- Historical Restorations
- Home Theaters
- Hospitals
- Learning Centers
- Libraries
- Lobbies
- Museums
- Music Rehearsal Rooms
- Recording Studios
- Restaurants
- Spas and Natatoriums
- Student Centers
- Universities

BASWAphon, beautiful on curved, domed & vaulted ceilings.



BAR BOULUD - NEW YORK, NY

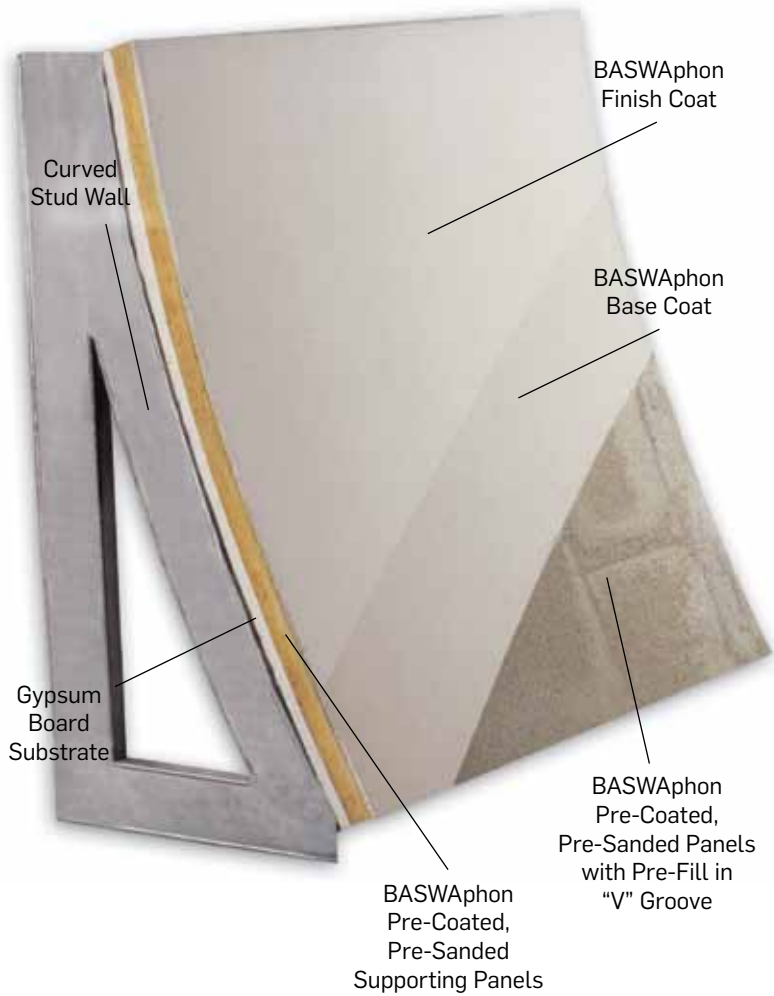


WOODSTOCK INN AND RESORT - WOODSTOCK, VT



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## LEED CONTRIBUTION CREDITS

The BASWAphon System may provide Contribution Points in the following LEED Categories:

EA Credit 1	– Optimized Energy Performance
MR Credit 2	– Construction Waste Management
MR Credit 4	– Recycled Content
MR Credit 5	– Regional Materials
IEQ Credit 3.1	– Green Cleaning
IEQ Credit 4	– Low Emitting Materials
IEQ Credit 7.1	– Thermal Comfort
IEQ Credit 8.1/2.4	– Daylight and Views
EQ Credit 9	– Enhanced Acoustical Performance

The system consists of up to 95% recycled content and emits no harmful off-gassing (VOCs). MSDS friendly, with high light reflectance and a high R-value.

BASWAphon Top Coat and Base 407 are manufactured near Cleveland, Ohio.

Certified Test Data and LEED submittals are available upon request.

## INSTALLING THE BASWAphon SYSTEM

- 1. Pre-Coated, Pre-Sanded, Rigid Supporting Panels** with beveled edges are cut to size on site with a utility knife and adhered with a plaster based adhesive to a stable substrate, such as taped drywall.
- 2. BASWAphon Pre-Fill** is troweled into the "V" groove seams formed by the beveled edges of the panels.
- 3. Pre-Filled seams are sanded.**
- 4. BASWAphon Base Coat** is spray applied, gauged, smoothed with a trowel and allowed to dry.
- 5. Base Coat is sanded.**
- 6. Finish Coat** is spray applied, gauged, smoothed with a trowel and allowed to dry.

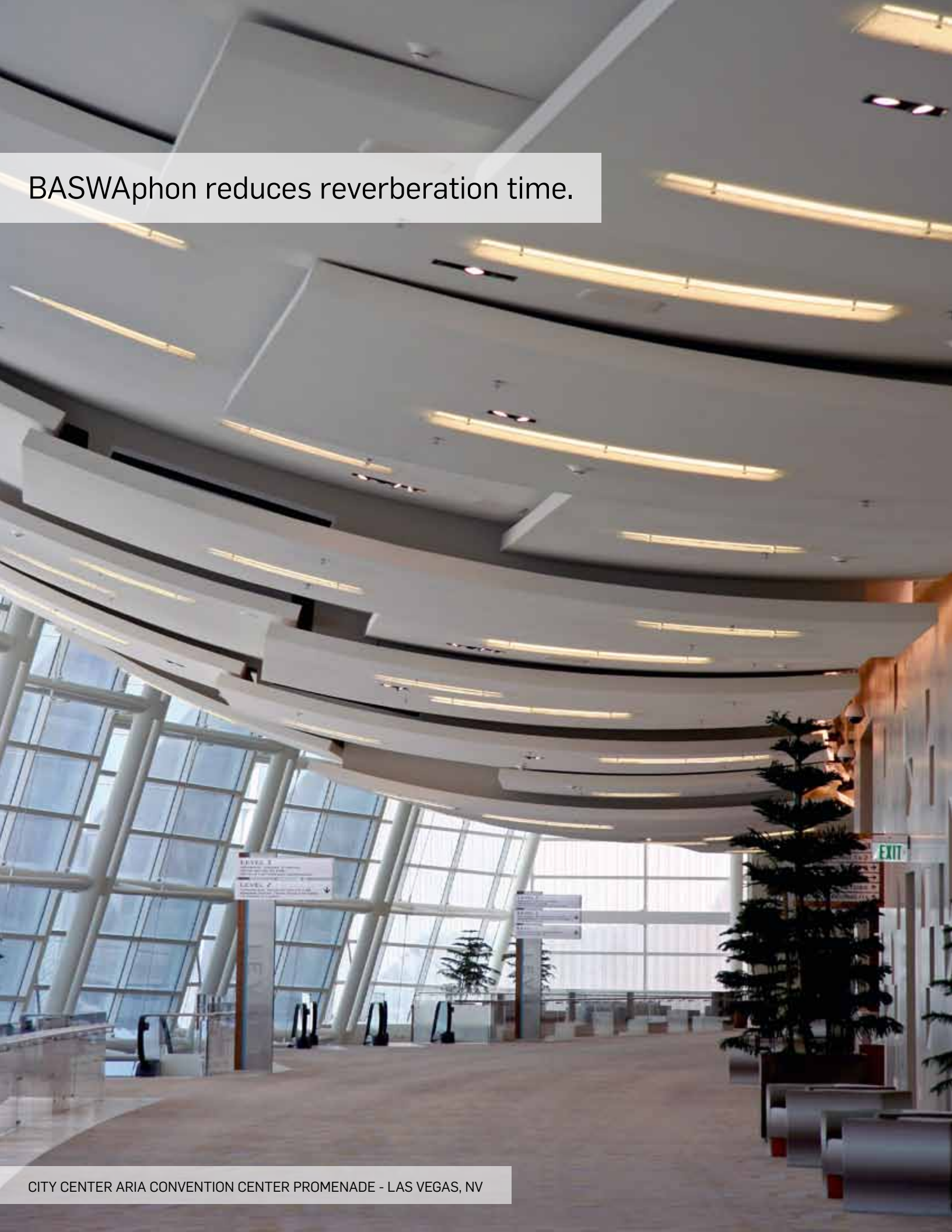
## CLASS A FIRE RATED

BASWAphon is a Class A fire rated interior finish meeting all the requirements of UL E-84.



GRAND RAPIDS ART MUSEUM AUDITORIUM - GRAND RAPIDS, MI

BASWAphon reduces reverberation time.



## FROM MODERN MUSEUMS TO HISTORICAL RESTORATIONS

Ideal for both new and restoration projects.

BASWAphon can be applied to existing historical substrates without damage. It enhances the soundscape while preserving the integrity of the historical architectural elements.

BASWAphon seamlessly compliments the architect's vision.



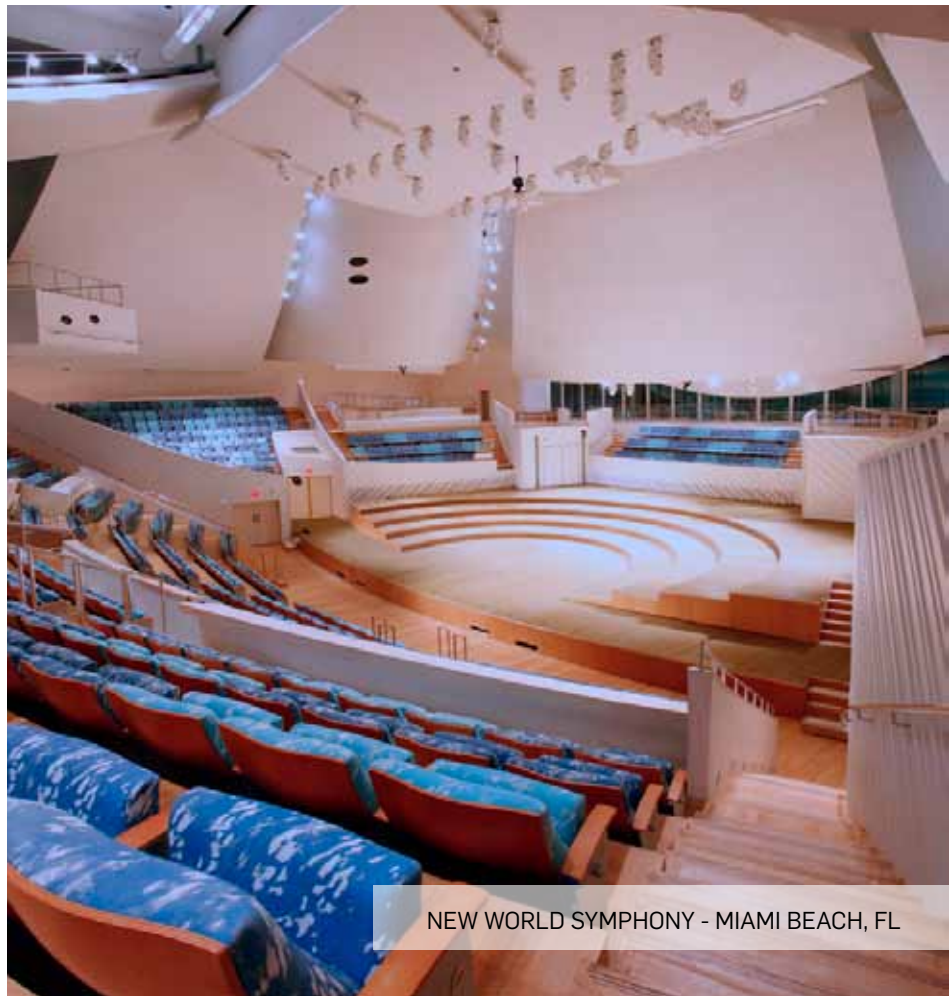
165 CHARLES STREET - NEW YORK, NY



MIXON HALL, CLEVELAND INSTITUTE OF MUSIC - CLEVELAND, OH



SALVADOR DALI MUSEUM - ST PETERSBURG, FL



NEW WORLD SYMPHONY - MIAMI BEACH, FL

# BASWAphon

Sound Absorbing Plaster System  
baswaphon.com

## Casinos

Ameristar Casino  
Porte Cachere Ceilings  
St. Charles, Missouri

City Center Promenade  
Curved Floating Cloud Ceilings  
Las Vegas, Nevada

## Corporate

American Eagle Outfitters  
Headquarters  
Public Area & Atrium Ceilings  
Pittsburgh, Pennsylvania

Microsoft EBC  
Lobby Ceilings  
Seattle, Washington

## Country Clubs

Chevy Chase Country Club  
Main Ballroom Arched Ceilings  
Chevy Chase, Maryland

Pelican Hill Resort & Spa  
Lobby, Circulation, Ballroom,  
Spa & Grille Arched Ceilings  
Newport Beach, California

## Courthouses

Burger Federal Courthouse  
Courtroom Ceilings  
St. Paul, Minnesota

Markey National Court Building  
Historic Courtroom Walls  
Washington, DC

## Education

Brigham Young University  
ESC Planetarium Dome  
Ceiling & Walls  
Provo, Utah

Kenyon College  
Pierce College Dining Hall  
Sloped Coffered Ceilings  
Gambier, Ohio

Princeton University  
Peter B. Lewis Science Library  
Map Room Ceilings  
Princeton, New Jersey

Santa Monica College  
Madison Theater  
Ceiling & Walls  
Santa Monica, California

University of Michigan  
Hill Auditorium  
Lobby Ceiling  
Ann Arbor, Michigan

University of South Dakota  
New Student Union  
Lobby Ceilings  
Vermillion, South Dakota

## Sports Venues

Dallas Cowboys Stadium  
Owner's Club Section Ceilings  
Dallas, Texas

NY Yankees Stadium  
Boardroom Ceiling  
Executive Office Ceilings  
New York, New York

## Government

Federal Reserve Bank  
Main Lobby & Circulation Ceilings  
Kansas City, Missouri

Security & Exchange Commission  
Lobby & Auditorium  
Ceilings & Walls  
Washington, DC

Utah State Capital Building  
House & Senate Ceilings  
Salt Lake City, Utah

## Libraries

Brooklyn Public Library  
Auditorium Ceilings  
Brooklyn, New York

Richard Nixon Library  
Reading Room Addition Ceiling  
Yorba Linda, California

Wellesley Free Library  
Childrens Reading Room Ceiling  
Boston, Massachusetts

## Museums

Art Institute of Chicago  
Gallery & Walkway Ceilings  
Chicago, Illinois

Museum of Tolerance  
Gallery Ceilings  
Los Angeles, California

de Young Museum  
Gallery Ceilings  
San Francisco, California

Seattle Art Museum (SAM)  
Main Gallery  
Sky-Lighted and Coffers Ceiling  
Seattle, Washington

## Performing Arts

Carnegie Hall  
Museum Ceiling  
New York, New York

Cleveland Institute of Music  
Lobby & Circulation Ceilings  
Cleveland, Ohio

Royal Conservatory of Music  
Lobby & Auditorium Ceilings  
Toronto, Ontario

Queens Theater  
Inverted Dome  
Multi Color Ceiling  
New York, New York

## Religious

Beth El Sanctuary  
Main Worship Area Ceilings  
Escondido, California

Fellowship of the Woodlands  
Main Nave Ceiling  
Houston, Texas

US Naval Academy  
Jewish Chapel  
Concaved Rear Wall  
Annapolis, Maryland

## Restaurants

Bar Boulud  
Arched Ceiling & Walls  
New York, New York


Cactus Club West  
Bar and Lounge Ceilings  
Edmonton, Alberta

MGM Grand  
Fiamma Trattoria  
Serpentine Convex and  
Concave Ceilings  
Las Vegas, Nevada



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