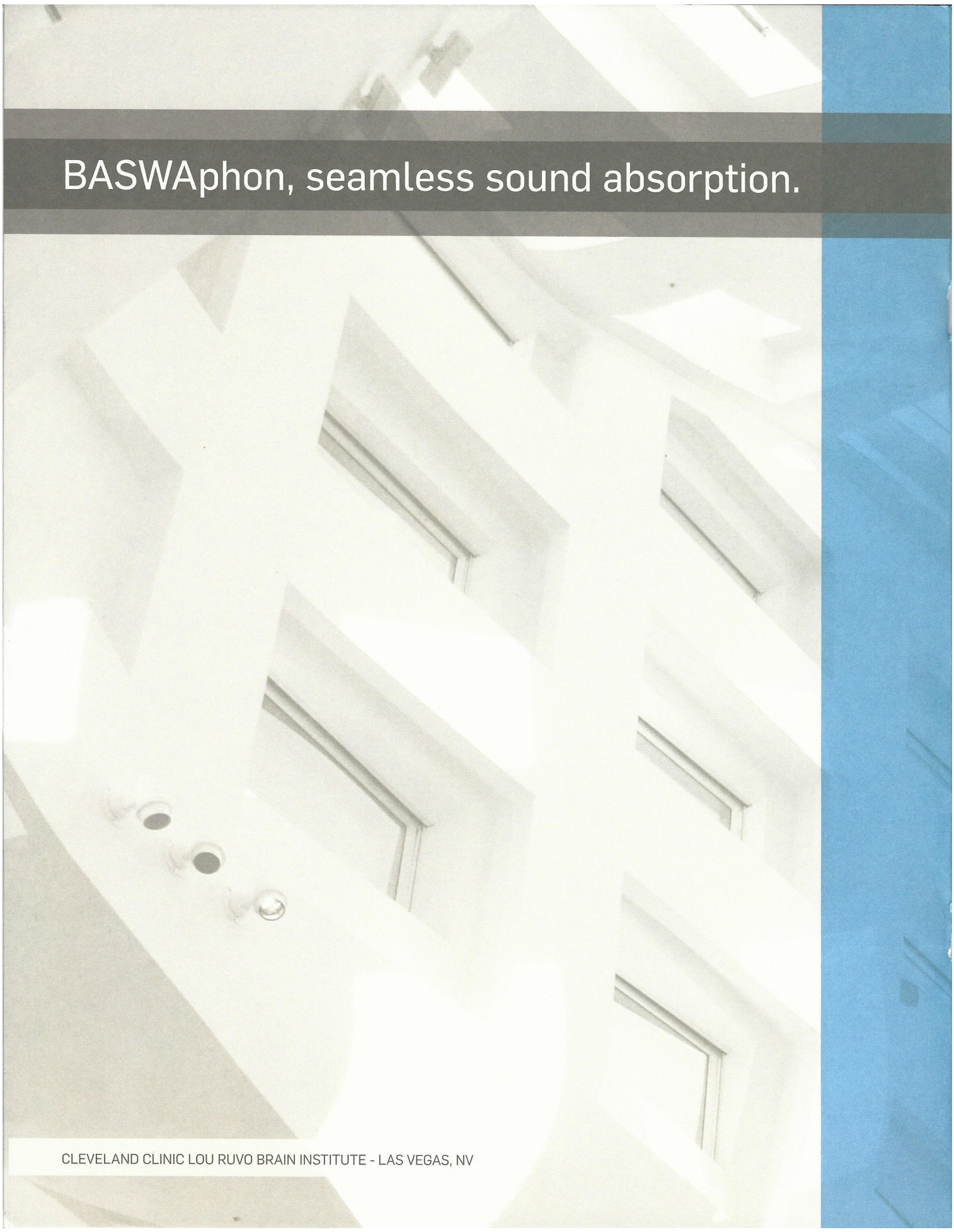
The Original Sound Absorbing Plaster System

BASWA acoustic®

BASWAphon

Sound Absorbing Plaster System

BASWAphon, seamless sound absorption.



CLEVELAND CLINIC LOU RUVO BRAIN INSTITUTE - LAS VEGAS, NV

THE BASWAphon ADVANTAGE

- **THE ORIGINAL.** BASWAphon is the original, most specified sound absorbing plaster system, with 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 most sound absorptive plaster on the market.
- **EASILY CLEANED AND REPAIRABLE.**
- **TINTED TO MATCH ANY COLOR.** No adverse effects on acoustical performance with uniform color.
- **MADE IN THE USA.** Only sound absorbing plaster system with Swiss engineered components made in the US.
- ✓ **GREAT IN HUMID ENVIRONMENTS.** Resilient, Frosted and Base Finishes are not water soluble and are mold, moisture and mildew resistant. Perfect for spas, natatoriums or porte-cochères. All finishes rated 10 / 10, signifying no mold growth per the ASTM D 3273.
- **DURABLE MARBLE FINISH.** BASWAphon Coatings are made of a crushed marble aggregate.
- **FACTORY COATED & SANDED SUPPORTING PANEL.** No onsite panel sanding. Panel will not separate or compress. Beveled panel edges require no taping or glue; no telegraphing seams.
- **OVERNIGHT DRYING TIMES.** Typical drying time between coats is overnight.
- **LIGHT WEIGHT.** Approximately 1.5 lbs per square foot.
- **LEED CONTRIBUTION POINTS IN 9 CATEGORIES.** Up to 95% recycled materials, SDS friendly, high light reflectance and a high R-value. No VOCs; compliant with the California Section 01350.
- **FIELD APPLIED BY CERTIFIED, LOCAL INSTALLERS.** Over 115 Local Independent Contractors have been trained on-site. Installation takes 4 to 5 days; no field measurements, no shop drawings.
- **IN STOCK AND READY FOR IMMEDIATELY DELIVERY.**
- **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.

CREATING AN INTELLIGIBLE SPACE

Reverberation has an important impact on speech intelligibility, affecting safety, health, learning, and quality of life. By absorbing sound waves, BASWAphon makes conversation clearer, even in harsh situations, by reducing reverberation time. BASWAphon delivers premium acoustical environments to a variety of high end commercial, retail and residential spaces while protecting design aesthetic.

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

HOW BASWAphon WORKS

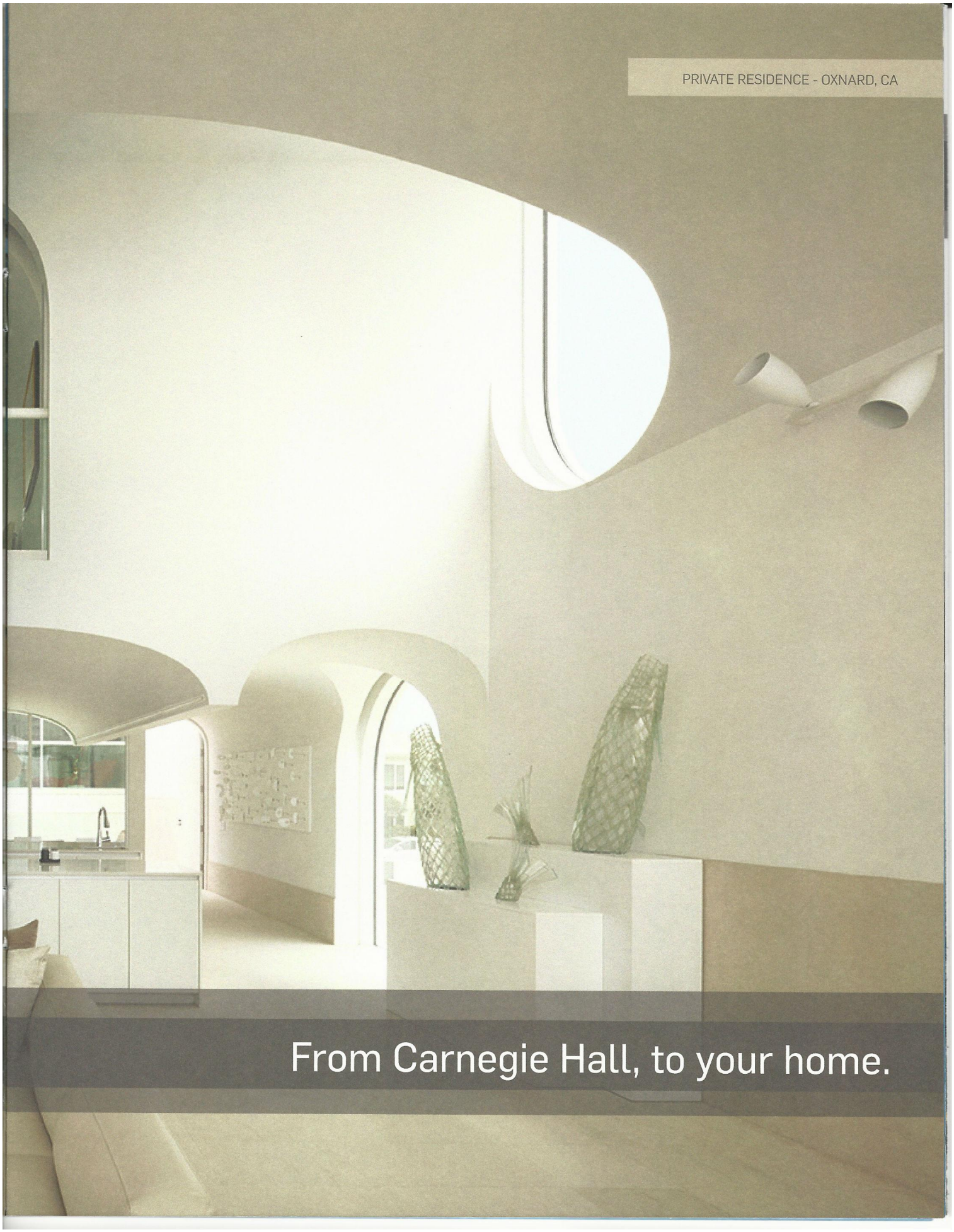
High frequency sound absorption is achieved by allowing sound wave energy to pass through the micro pores in the finished surface, thereafter, dissipating it into heat energy in the mineral wool.

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

RESIDENTIAL APPLICATIONS

BASWA acoustic offers the same high performance sound absorbent materials for home applications. Thousands of clients worldwide already enjoy the added comfort and clean look of having BASWAphon or other BASWA acoustic materials in their most important spaces.

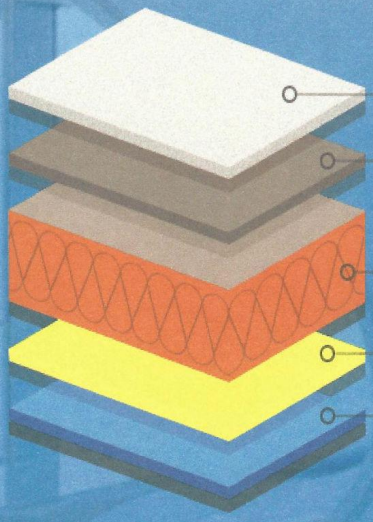
Through innovation, BASWA acoustic provides a level of combined comfort and aesthetics, previously mutually exclusive. These materials are sourced locally when they can be, from the Greek Islands to the state of Georgia. Projects will range from Carnegie Hall to your home.


PRIVATE RESIDENCE - OXNARD, CA
From Carnegie Hall, to your home.

BASWAphon Classic Fine Finish

Smoothest, Finest Troweled Finish

- Durable and Cleanable.
- Continues to set aesthetic and performance standards for seamless acoustical products.



Trowel Applied Fine Coat

Trowel Applied Base Coat

Factory Coated & Sanded Supporting Panel

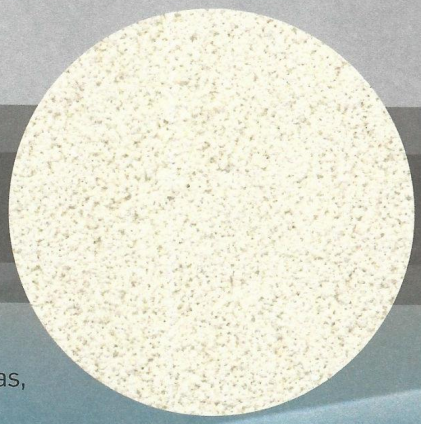
BASWAphon Adhesive

Stable Substrate

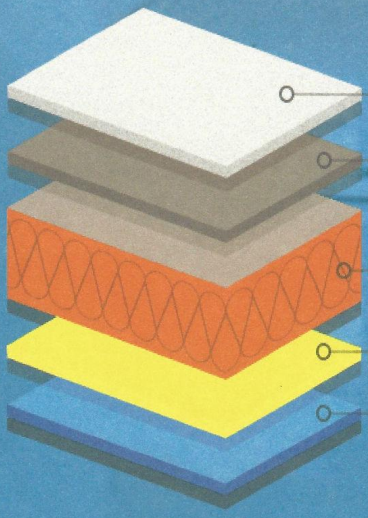
HEYDAR ALIYEV CULTURAL CENTER - BAKU, AZERBAIJAN

BASWAphon Resilient Finish

Troweled Smooth Base Finish



- Mold & mildew resistant finish, perfect for high humidity spaces including spas, natatoriums, or porte-cochères.
- Washable and easily cleanable non water soluble finish.



Trowel Applied Base Coat

Trowel Applied Base Coat

Factory Coated & Sanded Supporting Panel

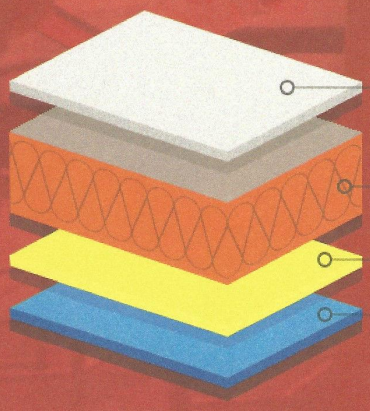
BASWAphon Adhesive

Stable Substrate

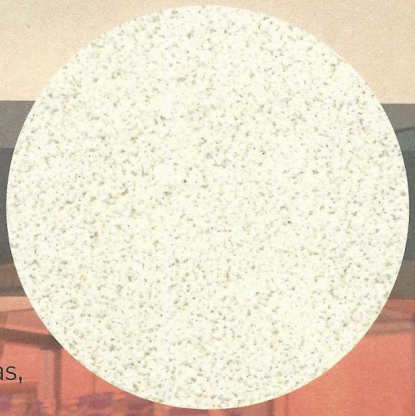
BASWAphon Fine Finish

Single Coat Smoothest, Finest Troweled Finish

- Durable and Cleanable.
- Cost competitive finish ideal for spaces without significant critical lighting.



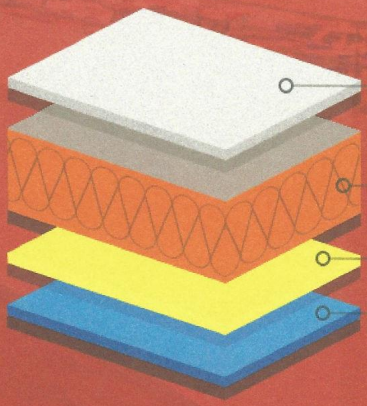
RAIFFEISEN BANK - ZURICH, SWITZERLAND



BASWAphon Base Finish

Single Coat Troweled Smooth Base Finish

- Mold & mildew resistant finish, perfect for high humidity spaces including spas, natatoriums, or porte-cochères.
- Cost competitive finish ideal for spaces without significant critical lighting.



Trowel Applied Base Coat

Factory Coated & Sanded Supporting Panel

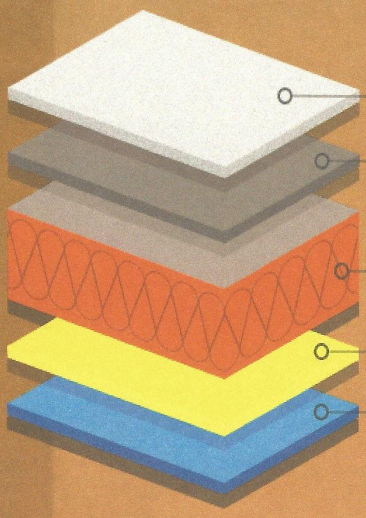
BASWAphon Adhesive

Stable Substrate

BASWAphon Frosted Finish

Spray Applied Light Sand Textured Finish

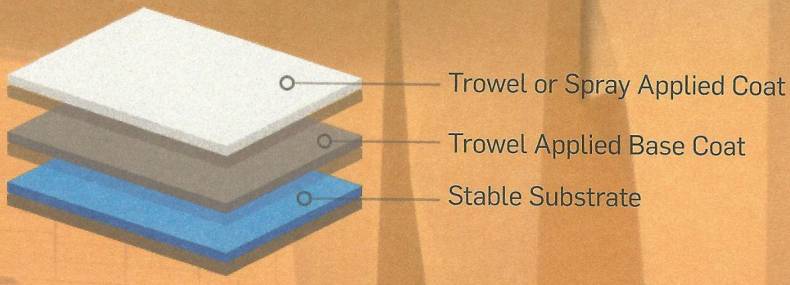
- Easily Repairable.
- Mold & mildew resistant finish, perfect for high humidity spaces including spas, natatoriums, or porte-cochères.
- Washable and easily cleanable non water soluble finish.



NATURAL HISTORY MUSEUM OF UTAH - SALT LAKE CITY, UT

Custom & Specialty Finishes

- Troweled Smooth or Spray Applied Finish. Create a custom, stone, or "Old World" plaster aesthetic using a variety of application techniques.
- Specialty BASWAphon Finishes can be directly applied to drywall to allow for the fine tuning of sound within a space, absorbing the high end frequency range. This type of application is best for performance spaces with challenging high frequency regulation needs and will not affect the overall dynamism of the performance. Third party test data for Specialty Finishes available upon request.



NOISE REDUCTION COEFFICIENT (NRC) RATINGS

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

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

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.

SOUND TRANSMISSION CLASS (STC) RATINGS

BASWAphon provides an additional 5 to 7 points to an STC Rated Assembly. Test data available upon request.

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

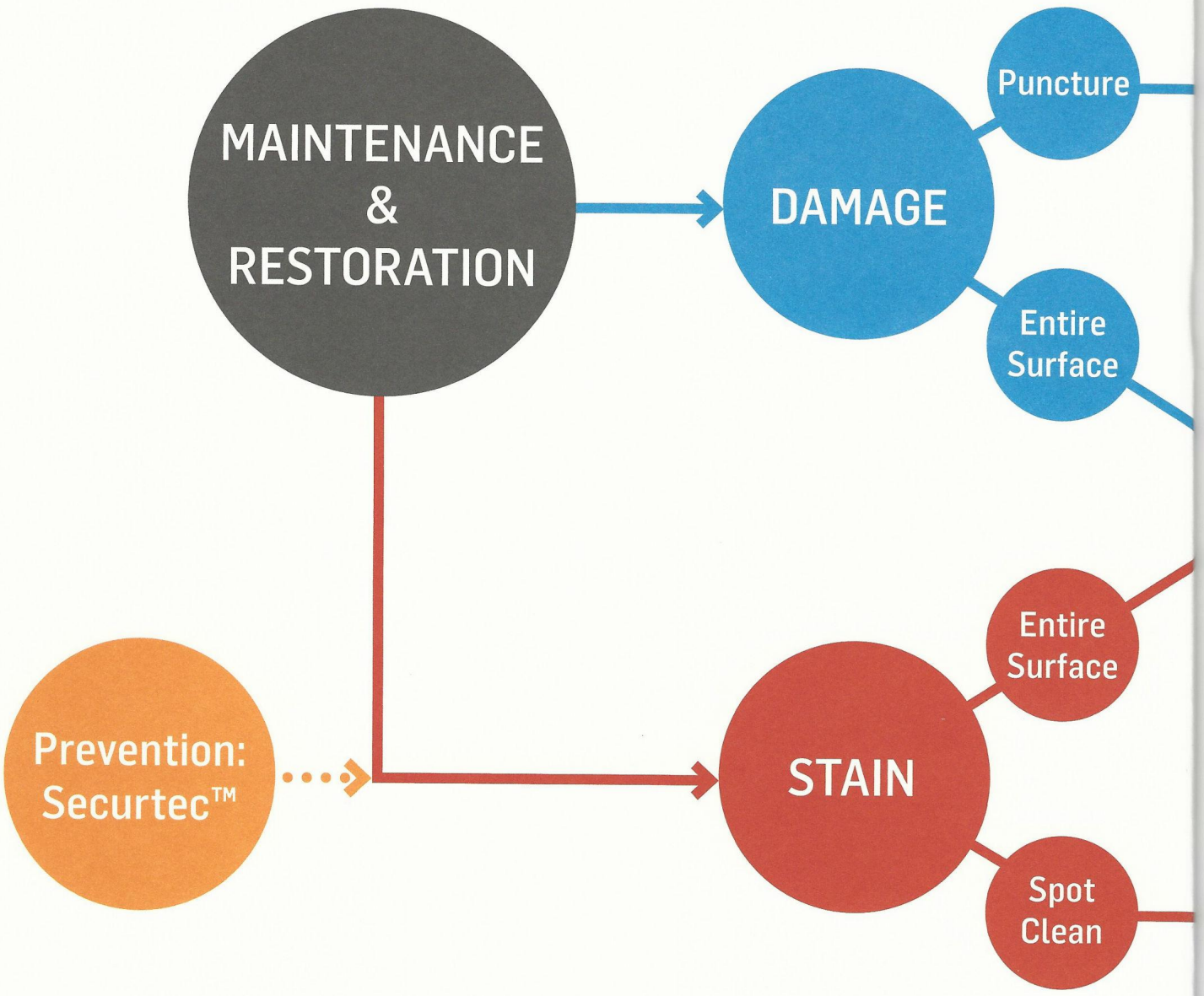
The system consists of up to 95% recycled content and emits no harmful off-gassing (VOCs). SDS friendly, with high light reflectance and a high R-value.

BASWAphon Top Coat and Base are manufactured in Cleveland, Ohio. Certified Test Data and LEED submittals are available upon request.

Scientifically proven to outperform.

BASWAphon Systems	125	250	500	1000	2000	4000	NRC
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

WORLD FINANCIAL CENTER, BROOKFIELD PLACE - NEW YORK, NY



Securtec™
A stain guard formulated for BASWA products designed to protect against dirt or surface pollutants like food or water, with nominal affect on acoustical properties. Once applied, liquids will bead on a BASWAphon Finish.

BASWA Clean™
A surface cleaner for BASWAphon Finishes that lifts out stains, dirt, and odors. This environmentally friendly cleaner begins working immediately for quick, noticeable results.

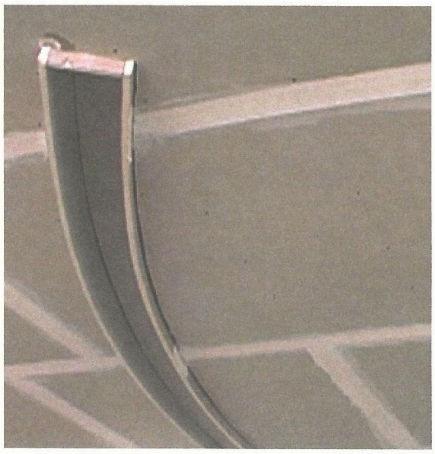
BASWA Fresh™
A surface refreshing spray used for either small or large area restoration of surfaces with visible color alterations due to excessive dirt or staining.

Innovation. Under normal circumstances, BASWA products age evenly and do not require any maintenance. However, surfaces may be damaged by punctures, stains, or water. Similar to most building materials, a BASWA surface may accumulate a build up of dust particles.

Acoustical ceilings perform through the porosity of their surface and therefore can not be cleaned with conventional products. For the same reason, such surfaces lose their acoustical absorption when painted with traditional paints. BASWA acoustic has developed a range of techniques and products, which allow for removal of staining or repair of surface damages without affecting the acoustical performance.

For more than 25 years BASWA acoustic has been developing and distributing materials that improve room acoustics. BASWA acoustic cares about the customer's needs and is constantly engaged in new development.

BASWAphon Installation Process



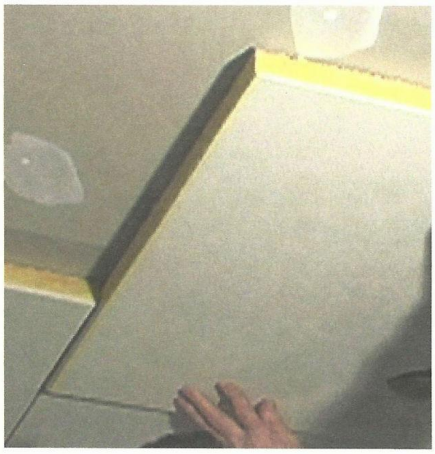
1

CEILING PREPARATIONS (PRE-INSTALLATION)

A stable substrate such as standard drywall is required. Joints only need taping; no finished coating of tape or screw heads required.

BASWAphon is lightweight; substrate systems do not require additional or unusual support.

HVAC diffusers, fire sprinkler heads, and light fixtures are roughed in to finished ceiling height.

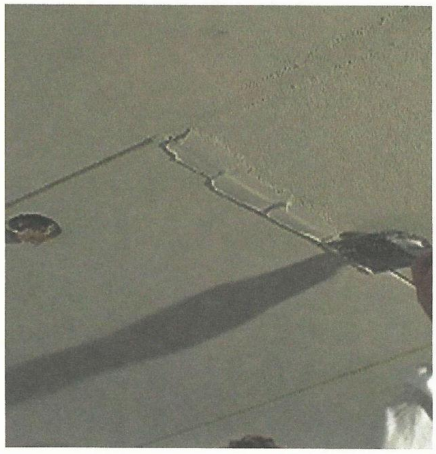


2

SUPPORTING PANELS ADHERED

Pre-Coated Supporting Panels are cut to size on site with a utility knife and adhered with a plaster based adhesive to the substrate.

For curved applications, panels arrive on site pre-kerfed in one or two directions. Mechanical fasteners are not required.

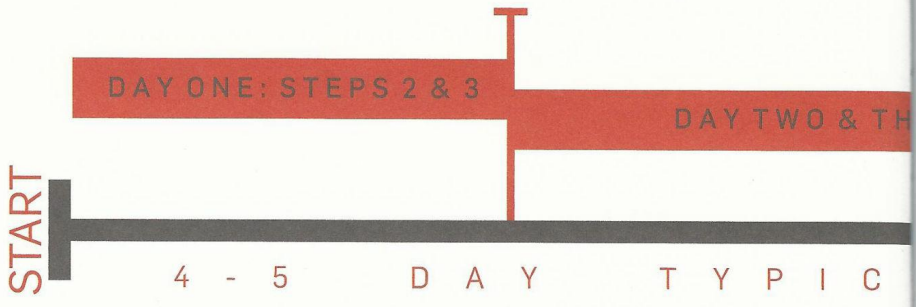


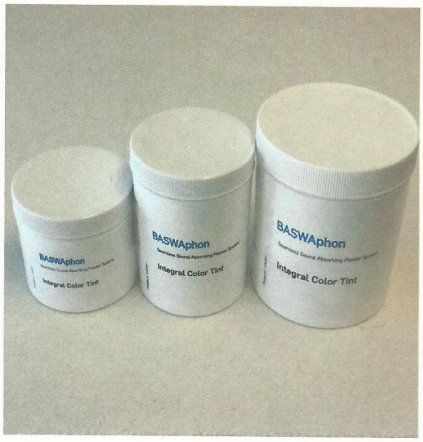
3

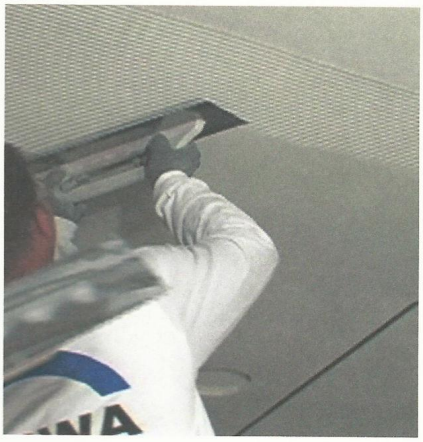
GROOVES PRE-FILLED

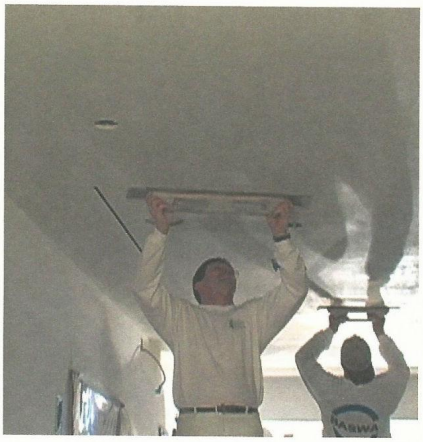
BASWAphon Pre-Fill is troweled into the "V" groove seams formed by the factory beveled edges of the panels.

Pre-Filled seams are lightly sanded.









4

COLOR APPLICATIONS

If a custom color is specified, tint is added on site to the Base and/or Finish Coats.

5

BASE COAT APPLIED

BASWAphon Base Coat is spray applied, gauged, smoothed with a trowel and allowed to dry.

Base coat typically dries overnight.

6

FINISH COAT APPLIED

Finish Coat is applied, gauged, smoothed with a trowel and allowed to dry, typically overnight.

If the Frosted Finish is specified, a light texture finish of Base Coat is spray applied.

REE: STEPS 4&5

DAY FOUR & FIVE: STEP 6

FINISH

AL INSTALLATION TIMELINE