

BASWaphon Seamless Aound Absorbing Plaster System

LEED Contribution Credits

BASWaphon U.S. Green Building LEED Credits

BASWaphon May Provide LEED Contribution Credits in the Following Categories:

EA Credit 1	- Optimized Energy Performance
MR Credit 2	- Construction Waste Management
MR Credit 4	- Recycled Content
MR Credit 5	- Regional Material
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 is comprised of 86% Recycled Content, has no VOC's or harmful off-gassing, has components made in the USA and has high R-values. BASWaphon is also highly light reflective and requires no harmful cleaners for maintenance.

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EA Credit 1 – Optimize Energy Performance

Intent:

To achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

Contribution:

The high density mineral wool supporting panels provide an excellent source of additional thermal insulation, providing an R-Value of 4.35 per inch of thickness, thus reducing heating and cooling energy use.

BASWaphon provides the following insulating R-values: 30mm system (1.18") R-5.13; 40mm system (1.57") R-6.83 and 70mm system (2.75") R-11.66.

MR Credit 2 – Construction Waste Management

Intent:

To divert construction, demolition and debris from disposal in landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process and reusable materials to appropriate sites.

Contribution:

In a typical installation, less than 3% of panels are discarded due to small left over pieces. Panel scraps may be acceptable in mixed-glass recycling facilities, plastic pails containing the Pre-Fill, Base and Top Coats are recyclable. Unused panels, Base and Top Coats are saved for use on another project.

MR Credit 4 - Recycled Content

Intent:

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Contribution:

The high percentage of post consumer recycled materials in the mineral wool supporting panels, pre-fill, base and finish coats provides an excellent source recycled content in a building product, thus reducing landfill use.

The BASWaphon Acoustical Finish System is available in 3 system thicknesses, 30mm (1.18"), 40mm (1.57") and 70mm (2.75"); each having different sound absorption characteristics.

The system is comprised of up 86% recycled content:

- 26mm, 36mm or 66mm mineral wool supporting panel (74% post-consumer recycled glass with a phenol-resin binder). Factory applied pre-coating of glass micro-spheres (75% post-consumer recycled glass with vinyl acetate-copolymer binders)
- Pre-fill(75% post-consumer recycled glass with vinyl acetate-copolymer binders)
- Base coat (95% pre-consumer recycled marble aggregate with a vinyl-acetate copolymer binder)
- Top coat (95% pre-consumer recycled marble aggregate with an acrylic copolymer binder)



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MR Credit 5 - Regional Materials

Intent:

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Contribution:

BASWaphon Top Coat and Base 407 are manufactured near Cleveland, Ohio and materials are Extracted in Marble Hill, Georgia.

IEQ Credit 3.1 - Green Cleaning

Intent:

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Contribution:

The cleaning and maintenance of BASWaphon Seamless Acoustical Finishes do not require any hazardous cleaning agents.

The "Classic" finish requires using masking or duct tape to remove finger prints, food stains or organic stains. Dust can be vacuumed or blown off using a pressured air hose. Stains that have penetrated the surface and are not easily removed by aforementioned actions can be removed with a 10% solution of hydrogen peroxide.

The "Frosted" and "Clean" finishes require using masking or duct tape to remove finger prints, food stains or organic stains. Dust can be vacuumed or blown off using a pressured air hose. Stains that have penetrated the surface and are not easily removed by aforementioned actions can be removed with warm water and a soft natural bristled brush, rinsed gently and patted dry with a clean towel. Use of a clear aerosol foaming glass cleaner such as Champion Sprayon Vista Clear Glass Cleaner manufactured by Chase Products Company, certified under GS-37, will bring deep stains to the surface of the finish which then can be removed with warm water and a soft natural bristled brush, rinsed gently and patted dry with a clean towel.

IEQ Credit 4 - Low Emitting Materials

Intent:

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well being of installers and occupants.

Contribution:

The sensitive use of binders in the mineral wool panels and binders used to adhere the recycled contents creates an acoustical product that has no harmful volatile organic compound emissions (no VOCs).

IEQ Credit 7.1 - Thermal Comfort: Design

Intent:

To provide a comfortable thermal environment that promotes occupant productivity and well-being.

Contribution:

The high density mineral wool supporting panels provide an excellent source of thermal insulation, providing an R-Value of 4.35 per inch of thickness, thus reducing heating and cooling energy use and affording occupants greater thermal comfort in a conditioned space with lower heating and cooling energy use.

BASWaphon provides the following insulating R-values: 30mm system (1.18") R-5.13; 40mm system (1.57") R-6.83 and 70mm system (2.75") R-11.66.

The light reflectivity of BASWaphon per ASTM E1477-98a is 90.975.

IEQ Credit 8.1 / IEQ Credit 2.4 - Daylight and Views

Intent:

To provide building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.

Contribution:

The high density marble aggregate finish coat is an excellent reflective surface, reflecting natural light as well as artificial light sources. In interior occupied spaces, energy use can be dramatically reduced through the coordination of locations of lighting and BASWaphon, thus reducing overall energy consumption.

The light reflectivity of BASWaphon per ASTM E1477-98a is 90.975.

EQ Credit 9 - Enhanced Acoustical Performance

Intent:

To provide classrooms that facilitate better teacher-to-student and student-to-student communications through effective acoustical design.

Contribution:

The BASWAphon Acoustical Finish System is used to absorb sound energy. It decreases echoes and reverberation times, increasing sound intelligibility.

BASWAphon provides NRC Ratings (Noise Reduction Coefficient Ratings) up to a 1.00, the highest in the industry. **See our Acoustical Test Data here.**

The NRC is a single-number index determined in a lab test and used for rating how sound absorptive a material is. This industry standard ranges from 0.00 (perfectly reflective) to 1.00 (perfectly absorptive). It is simply the average of the mid-frequency sound absorption coefficients (250, 500, 1000 and 2000 Hertz) . Measurements are made with the BASWAphon systems applied to 5/8" gypsum board tested following the ASTM C423 Sound Absorption Test guidelines.