

A modern interior space with a large floor-to-ceiling window. The window looks out onto a lush green garden with a large tree and dense bushes. In the foreground, a wooden table and dark chairs are partially visible. The text 'surfaceform' is overlaid in a large, black, sans-serif font, with a 'TM' trademark symbol to its upper right.

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Acoustic Plaster Specialist

UK Certified BASWA Installation Partners

Acoustic measures

Room acoustic requirements are often disregarded in the planning of construction projects or downgraded for cost reasons. In many cases, this makes subsequent correction necessary through renovation. Additionally, renovation of historical buildings allow for acoustics to be improved where needed.

The Phon acoustic systems are the ideal solution for remedying acoustics in an existing space due to their low installation heights (the acoustic systems can be installed directly on existing surfaces / minimum height 30 mm) and their adaptability in terms of shape, color and texture.

If Phon acoustic systems are installed on existing substrates, the same quality and strength characteristics will apply to the new surface. The existing substrate must be checked for suitability by the installer.

Phon acoustic ceilings are appropriate for use in existing buildings. The “optimal” integration of the system in a historical renovation project highlights the systems complete acoustic effectiveness.

Acoustic measures play a crucial role in ensuring the comfort and functionality of a space. When it comes to room acoustic requirements, it is essential to consider them right from the planning stages of construction projects. Unfortunately, these requirements are often overlooked or compromised due to budget constraints, leading to the need for post-construction corrections through renovations.

In the case of historical buildings, renovation projects present a unique opportunity to enhance acoustics where necessary. Phon acoustic systems stand out as an optimal solution for improving acoustics in existing spaces. Their low installation heights allow for seamless integration onto existing surfaces with a minimum height requirement of 30 mm. Moreover, the adaptability of Phon systems in terms of shape, color, and texture provides a versatile option for various design needs.

By installing Phon acoustic systems on existing substrates, you can maintain the quality and strength of the new surface while enhancing acoustics. It is important for the installer to assess the suitability of the existing substrate before installation to ensure optimal performance. Phon acoustic ceilings are well-suited for use in existing buildings, and their seamless integration in historical renovation projects showcases their complete acoustic effectiveness.

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System description

General information

The BASWA acoustic systems reduce and control the reverberation time in a space to create an ideal acoustic environment, positively affecting health and wellbeing. The BASWA acoustic systems consist of two elements; the BASWA Phon acoustic panels and the microporous coating compounds. The panels are adhered to a solid, closed substrate and then coated with the microporous coating compounds. This results in a seamless, smooth surface with high absorption values and gives the visual appearance of a smooth, painted plaster ceiling.

The BASWA Phon technology provides architects and acousticians with unique design options

System properties

- Excellent sound absorption
- Minimum installation height requirements
- Smooth surface
- Practically unlimited choice of colors
- Non-flammable (A2-s1, d0) according to DIN EN 13501-1 • Can be combined with cooling and heating systems

(BASWA thermal-acoustic systems)

- Can be combined with BASWA Basic
- Usable in Minergie Eco projects
- LEED Certification Contributions
- CE certified / ETA-No: 16 / 0144(CSTB)

Suitable for application in

- Horizontal, inclined or vertical surfaces
- Seamless surfaces
(up to the maximum size of the respective substructure) Vaults
- Cupolas
- Convex and concave shapes
- Organically shaped surfaces
- NOTICE! Curved, as well sidelight exposed surfaces are to be executed in the system variant “CLASSIC” (two-layer).

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Single layer:



Single-layer systems are quick and simple to install. These systems are suitable for straight surfaces that are not exposed to excessive natural light (sidelight).



BASWA Phon Base
Grain size 0,7 mm



BASWA Phon Fine
Grain size 0,5 mm

Two-layer systems:



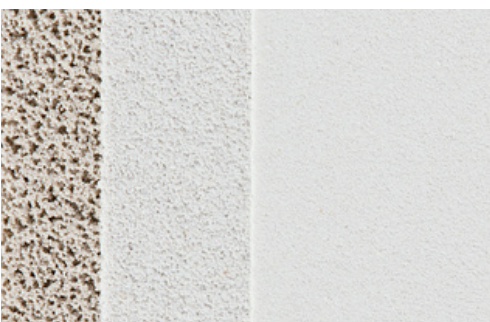
Two-layer systems are suitable for surfaces that are exposed to sidelight or for curved surfaces. These consist of: Base coat BASWA Base Finish coat optional BASWA Base, Fine or Top



BASWA Phon Classic Base
Base coat Base 0,7 mm
Finish coat Base 0,7 mm



BASWA Phon Classic Fine
Base coat Base 0,7 mm
Finish coat Fine 0,5 mm



BASWA Phon Classic Top
Base coat Base 0,7 mm
Finish coat Top 0,3 mm

Colours

The choice of colors for the coating compounds is almost unlimited. The coating compounds can be coloured in almost any desired shade.

After delivery of a color reference, a color sample is created by BASWA. This must be confirmed by the architect or client.

In order to achieve colored surfaces, the coating dimensions are dyed at the factory to order. The color formulations are determined individually for each new color in the acoustic laboratory; due to the special properties of the porous surfaces, each color formulation is compared by eye with the original pattern.

The pigment preparations are mixed into the coating masses without further addition of additives. The colored products are then applied on site.

Furthermore, all desired colors can be mixed on order according to references of common color cards or physical samples. Accumulated sample cost will be applied as a credit towards your final material order cost.

The products are made from natural marble sand. Untreated natural products are always subject to minimal color variations and can easily influence the basic tone of the color. The standard white of the BASWA coating dimensions corresponds approximately to NCS S 0500-N.

Due to the porosity of the surface, finished BASWA Phon surfaces can have very different effects depending on the incidence of light. Similar to other mineral systems, a slight cloud formation cannot be excluded with colored surfaces.

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Surface structures and effects

Surface structures and effects

The smooth finish of the BASWA Phon acoustic systems with their fine, smooth surface texture supports the design of modern, timeless architecture. Using special installation techniques, various plaster structures can be imitated, which are often used in the acoustic renovation of historic buildings.

- Spray application
- Brush Texturing
- Modeling the trowel

Sparkling effects with BASWA Shine

The BASWA Shine surface refinement gives the surface a glittering effect without significantly impairing its acoustic performance. The mica dispersion BASWA Shine is used for the subsequent finishing of BASWA acoustic surfaces. It must be directly illuminated with the help of the lighting concept in order to achieve the glitter effect.

On request, acoustic AG develops special surface effects in cooperation with customers.



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Surfaceform are UK Certified Installers for the BASWA Phon (BASWAPhon) range of seamless acoustic plaster solutions. This system is ideal for public sector buildings, museums, restaurants and galleries to solve reverberation issues.

BASWA acoustic AG's seamless acoustic plaster solutions aim at the reduction and control of reverberation times in rooms, large halls and entire buildings, creating pleasant acoustic room climates. 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 BASWA phon or other BASWA acoustic materials in their most important spaces.

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