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PRESS RELEASE

Hambach Castle is now an information and event Mecca thanks to a clever acoustic solution

The building known as the birthplace of German democracy has been undergoing continuous renovation and revamping in several construction stages since 2002.

The modernisation of the ceiling areas had a special significance as the room geometries and inner wall surfaces could not be changed because of design aspects. This meant that only the ceiling surfaces could be visually and acoustically upgraded.

The company Lahnau Akustik GmbH offered planners and expert engineers the best solution for this special task.

Around 750 square meters of the jointless ceiling system Alvaro glass - made of expanded recycling glass granulate - was installed in the large ballroom and the foyer of the castle.

It was a particular advantage for the large area installation in the ballroom that the large format acoustic panels (dimensions 2500 x 1250 mm) could be used to produce acoustic areas up to 200 square meters large without joints.

The acoustic ceiling system Alvaro glass also accepts system-integrated building engineering installations without problems and easily meets the requirements for the building material class A2 (incombustible).

Despite the different acoustic tasks – sound-absorbing or sound-reflecting – the visible surface of the ceiling system can be uniformly designed throughout and appear as a single unit. Practically any wishes with regards to colour design and plaster textures are open to designers and interior architects.

The lightweight material Poraver, used to produce the Alvaro glass acoustic panels, is the heart of the system here. The unique Poraver pore structure gives the panel system - produced in a patented process - its excellent properties. The granulate also reduces the panel weight, assembly times and material use of original raw materials (which cannot be recycled) without having any negative effects on form, function, aesthetics and durability.



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The Poraver® advantages include its very low weight combined with high compressive strength and excellent heat and sound insulation properties. In addition, Poraver® is incombustible, weather-resistant and does not offer any breeding sites for bacteria.

As an ecologically excellent lightweight additive made of 100% recycling glass, Poraver is used around the world in a variety of industries for numerous quality products.

Facts and Figures:

Planner/Architect
plan art GmbH, Kaiserslautern

Interior architect
Max Dudler, Berlin

Acoustics/building physics
ITA INGENIEURGESELLSCHAFT FÜR TECHNISCHE
AKUSTIK MBH - BERATENDE INGENIEURE VBI

Products used by Lahnau Akustik GmbH:
750m² Mikropor G FWA Alvaro

Hambach Castle:

The castle became known as the birthplace of democracy and a milestone in German democratic history following the Hambach Festival that was held there in May 1832. At that time, more than 30,000 people from all ranks of society marched to the castle ruins demanding civil liberties, democracy, the unity of Germany and a reorganisation of Europe. The romanticised rebuilding on the ruin was begun in the middle of the 19th century by August von Voit under the Bavarian King Maximilian II. Reconstruction was brought to a stop during the revolution years of 1848/49 and not continued for over a hundred years. It was almost completely restored by the architect Professor Horst Römer in the 80's for the occasion of the 150th anniversary of the Hambach Festival. Since that time, the Hambach Castle has been used as an event center and has a permanent exhibition about the democratic movement in Germany.

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Photographs, graphics and captions:



The acoustic system Mikropor G FWA Alvaro from Lahnau Akustik GmbH now spans the permanent exhibition "Hinauf, hinauf zum Schloss!" (Up, up to the castle!) in the foyer of Hambach Castle.

File name: Hambacher Schloss 2

Photo: Lahnau Akustik GmbH



The modernised ballroom with state of the art acoustic ceiling that encompasses all technical installations. This meant that the surrounding walls could be retained in their original style.

File name: Hambacher Schloss 3

Photo: Lahnau Akustik GmbH



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Hambach Castle is seen as a symbol of the German democratic movement due to the Hambach Festival which took place there in 1832.

Due to its cultural significance, the permanent exhibition at the castle - "Hinauf, hinauf zum Schloss!" (Up, up to the castle!) - is an important spotlight on the historical and cultural heritage of Germany.

File name: Hambacher Schloss 1

Photo: Lahnau Akustik GmbH



Thousands of square meters of panel materials based on Poraver are produced for national and international customers in the state of the art production halls of Lahnau Akustik GmbH.

File name: Lahnau 1

Photo: Lahnau Akustik GmbH

All images are available in print quality and can be downloaded at www.pr-club.creativ-pr.de, menu item: Poraver.

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