

A NEW AUDITORIUM OPENS ITS DOORS

Shaw Auditorium, Hong Kong, China



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The multipurpose auditorium provides a flexible space that can host a wide range of cultural events - from concerts and dinner events to congresses and exhibitions - and can accommodate up to 1,300 visitors. This very modern building with its elliptical and cantilevered floors was energetically optimized to reduce energy consumption.

Shaw Auditorium

Hong Kong, China

**Lead consultant and
design architect:**

Henning Larsen

Executive Architect:

Wong Tung & Partners

Completion: 2021

Product:

AQUAPANEL® Cement Board Indoor,
AQUAPANEL® Cement Board Outdoor

Type of building:

Multi-purpose auditorium

Application area:

Exterior ceilings, interior walls

SHAW AUDITORIUM IN HONG KONG

The Shaw Auditorium, designed and realized by a joint venture between two award-winning architect offices, 'Henning Larsen Architects' and the local 'Wong Tung & Partners', is located at the entrance of the campus to the Hong Kong University of Science and Technology (HKUST). It connects the faculty with the neighboring community and, with its three floors, elyptically shaped and shifted in itself, provides an architectural highlight with a very interesting contrast to the typical squared design of the surrounding buildings.

The main targets of the planning process were to reflect the HKUST's reputation as a well-known innovation center and to create a multifunctional venue usable for many different activities thanks to an innovative space utilization concept. These include concerts, conferences, lectures but also gala dinners and exhibitions.

Tough challenges require the best materials

The organic form of the building results in a natural flow of visitors in the case of an event in the auditorium, which is protected from both sun and rain by the cantilevered ceilings. Regarding Hong Kong's subtropical climate, passive shading in particular was part of a Platinum Award-winning Energy & Environment concept used in the design and construction of the building.

To accommodate these warm-wet outdoor conditions, a building material solution had to be found for the jointless planned cantilevered ceilings that would meet these climatic and visual requirements. The solution was AQUAPANEL Cement Board Outdoor - Knauf's 100% water-resistant, cement-bound building board. It was processed with the joint filler and joint tape that are part of the system delivering the required appearance.

For the interior of the building, the Knauf product AQUAPANEL® Cement Board Indoor L.E.F. was used. Here, however, it was more the product properties of robustness as well as bendability and resistance to mold and mildew. All these properties made it possible that approx. 3,500 square meters of this product were installed in different application areas.



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