

Case Study

Industry



Magor Bottling Plant

Facts about the project:

Magor Bottling Plant, Newport, Wales

Architect: Hemmingway Architects

Contractor: Topfix Interiors Ltd

Project size: 5000m²

Project value: 45k

Products: Ecophon Hygiene Performance, Ecophon C3 grid



Most people would associate the chink of glasses with celebrations and an enjoyable social atmosphere, but when the sound is repeated hundreds of times over, every minute throughout a shift it can make for a wearing working environment.

Therefore when the project team planning a state of the art bottling plant, located in Wales for Interbrew, embarked on the design process they decided to incorporate a high performance acoustic ceiling. Unlike locations such as schools or call centres, however, food and beverages facilities also have tough hygiene requirements with wash down employing water jets frequently being necessary.

The aim then with the specification for the new plant at Magor, near Newport, was to avoid a reverberant noise that would require staff to wear ear defenders, and to enable the soffit to be cleaned by use of detergent spray and low pressure water jetting

As a result Ecophon's Hygiene Performance tiles were specified by Hemmingway Architects, and the project's specialist acoustic consultants, Bureau Veritas. The Ecophon approved contractor, installed Hygiene Performance tiles and C3 grid.

Acoustician, Robert Beaman recounts; "We were involved as the acoustic consultant, working on the specifications for the new

facility. Bottling plants inevitably generate a lot of noise with the glass 'clanking' together as the bottles are handled by machines. You can take certain steps to mitigate this noise, such as fitting them with extra thick labels, but this has high on-going cost implications for the client.

"Given the other design criteria for the Magor plant, such as its dimensions and the equipment to be located there, we were always going to utilise a suspended ceiling and therefore started looking for a tile which would meet the hygiene as well as the acoustic requirements. The practice has put forward Ecophon products in the past for projects and we decided Hygiene Performance represented the best specification."

For more information please contact:
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