

Image captions



Image

File name

Caption



RichardBrink_HomebBerlin_01

In 2017, the city of Berlin launched an investment programme for the school building campaign “Berliner Schulbauoffensive”, aimed at meeting the increasing demand for school places. In doing this, it utilises modular timber structures, among other things.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_02

Architecture office NKBK from Frankfurt am Main designed a ten-metre-high, 52m x 20m structure comprising 96 room modules with a gross floor area of 2,950m² split over three levels.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_03

In terms of façade dewatering, Austrian general planner Kaufmann Bausysteme opted to use the Stabile Air drainage channel produced by Richard Brink GmbH & Co. KG for the modular timber extension buildings (HOMEB).

Photo: Richard Brink GmbH & Co. KG

Image captions



RichardBrink_HomebBerlin_04

As well as the façade channels, inner corners, outer corners and gullies were also supplied by the metal products manufacturer from Eastern Westphalia, along with precisely-fitting mesh gratings with sections cut out to fit around drain pipes.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_05

Thanks to its ventilation openings, the Stabile Air keeps the façade ventilated at all times. The distance between the channel and the façade prevents water from rising through capillary forces, keeping the wood permanently protected from moisture.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_06

A total of 141 metres of the channel was custom made from hot-dip galvanised steel to trim the building and surround its base. Alongside various standard measurements, the manufacturer also offers custom measurements with additional projections to fit door and window reveal depths as well as compatible gratings, always ensuring a technically correct and visually appealing finish.

Photo: Richard Brink GmbH & Co. KG

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RichardBrink_HomebBerlin_07

The façades themselves are manufactured from spruce wood and aluminium sheets. As the modules are supplied up to 90% prefabricated, tradespeople can work together well on the construction site, reducing the build time of a HOMEB construction to a maximum of four months.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_08

Depending on site conditions, the extensive green roofs are furnished with various structures to hold a photovoltaic system, allowing the HOMEB schools to also score sustainability points.

Photo: Richard Brink GmbH & Co. KG



RichardBrink_HomebBerlin_09

The barrier-free buildings with their 16 classrooms, eight common rooms and a dining hall provide space for over 400 pupils. With 32 structures in total, the project will create around 13,000 new school places across Berlin.

Photo: Richard Brink GmbH & Co. KG