

# Unter Birken school building made from timber modules

Cologne, Germany



## Project details

Client	Gebäudewirtschaft der Stadt Köln
Architecture	baut architektur partmbb
Project type	Education and research
Construction type	Modular construction
Services	General contractor services (GC)
Construction	2024
Locality	Köln
Country	Germany

## More space for primary school

In just under nine months, Blumer Lehmann, as general contractor, planned and implemented an extension in modular timber design for Unter Birken Primary School in Cologne.

An extension with classrooms was constructed in the schoolyard. Its architecture blends in with the existing building and is flexible enough to be used subsequently at a different location if necessary.

Modular timber construction was chosen due to the short construction time and the required versatility of the structure. Sustainable construction allows for ideal integration into the existing setting and is also particularly cost-effective.

The compact, two-storey structure with a sloping pitch roof is accessed via arcades. This type of access is cost-effective, beneficial in terms of fire protection, and sustainable, as it saves on additional building mass.

The modular construction offers state-of-the-art technology, a ventilation system, photovoltaic system and heat pump, as well as network technology and digital whiteboards in all classrooms.

## Specific Contact



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The wood used in the timber modules ensures a pleasant indoor climate and captures carbon dioxide.



The school building is accessed via an arcade, which saves on building mass and provides adequate fire protection.



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The timber facade offers a variety of layout options and also provides thermal insulation.