



Das Siedle Haus Museum

Furtwangen, Germany

In the heart of the Black Forest, a showroom for the Horst and Gabriele Siedle art collection is taking shape.

The ambitious new building is being implemented by Brandlhuber+Hotz+Architekten, a project-specific merger of the offices Arno Brandlhuber b+ from Berlin and hotz+architekten from Freiburg under the direction of Michael Eichmann.

Essentially what they are doing is creating an exhibition space in a concrete facade around the original Seidel house. The outer facade consists of a 25-metre wooden roof truss erected by Amann and engineered by Bollinger+Grohmann. Their application of a [Sylva™ by Stora Enso](#) with precise offsite manufactured prefabrication elements and the [Sylva360](#) digital tool greatly eased the complex installation.

On July 14, 2023, the completion of this highly complex construction phase was celebrated with a topping-out ceremony. The final steps include closing the building envelope with a large glass facade made of polygonal panes up to 13 meters high.

Stora Enso added another layer of prefabrication by precoating mass timber building elements with their [UV Hydrophobic Protect Service](#). The coating is specifically designed to protect the timber elements from dirt and weathering (for at least 12 weeks) during the transport and construction phase.

It was important to add the UV protection for this particular project because the wood is a high quality visual surface (VI) will be left exposed to UV radiation from the gallery's 13 metre high signature windows. All wood contains lignin which is sensitive to UV radiation. When the lignin degrades over time it can affect the visual appearance but the UV protection in this water-based coating is shown to reduce darkening and discoloration over time.

The coating forms a colourless and transparent, matt film so you still see all the same beauty of the wood grains. At Stora Enso's [fully automated coating line](#) they apply 140 ml/m² in a factory controlled setting for a seamless application. The other great advantage of this coating is that if the wood should get exposed to dirt during the construction phase it is very easy to wipe off with water. Without that layer of protection, natural wood often stains and can require sanding and expensive remedial work to remove.

Check back for updates. The gallery is expected to open at the end of 2024

See more images and updates on this project [here](#)
Read more about the use of [3D printers for this project](#)



General

Delivery year	Building type
Under Construction	Others
Area (m²)	Storeys
1,880	1



Photo credit: © Horst and Gabriele Siedle Art Foundation/ PONNIE Images

Products

Products and Services	Product quality
Sylva™ CLT Floors and Roofs, UV Hydrophobic Coating, Sylva360™	VI
Product volume (m³)	Product delivery duration (weeks)
73	2
Number of deliveries	



Photo credit: © Horst and Gabriele Siedle Art Foundation/ PONNIE Images



Team

Developer

Horst and Gabriele Siedle Art
Foundation

Architect

Michael Eichmann
(hotz+architekten)
Arno Brandlhuber b+

Main contractor

Holzbau Amann GmbH

Specialist Timber Subcontractor

Holzbau Amann GmbH

Timber Engineer

Holzbau Amann GmbH
Bollinger+Grohmann



Photo credit: © Horst and Gabriele Siedle Art
Foundation/ PONNIE Images



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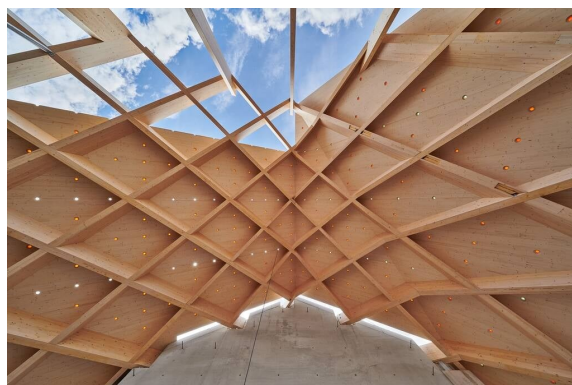


Photo credit: Bernhard Strauss

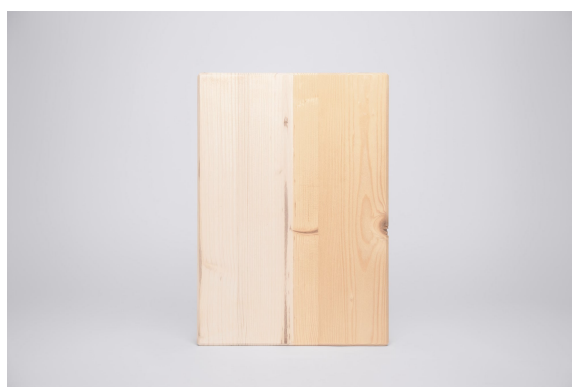


Photo credit: CLT sample block treated with UV Hydrophobic coating remains relatively unchanged after 4 weeks of indirect sunlight. Right: Untreated CLT sample block has changed colour tone after four weeks of exposure to indirect sunlight.