



StoraEnso

Bourdonnières School

La Verrie, France

Another new Sylva™ CLT school-in-a-box is popping up in Nantes, France: Les Bourdonnières School Group.

The 2,150 m² kindergarten/elementary school project named after the is designed with an offsite-manufactured kit of parts including prefab Stairs and Rib Floors help meet the tight time frame and their ambitious sustainability goals' explained architect Sébastien Roy of forma6.

"We had to respond to the need for schools in this area. The main advantage of this type of building is that it can quickly meet our needs..." says Gwenaëlle Directeur at the City of Nantes' Education Department to [Nantes Metropole](#).

The biophilic education facility is designed for optimal [hygrothermal](#) performance and excellent indoor air quality, vital for children's lungs, and high acoustic performance, creating an exceptional learning environment.

This project also happens to be the very first to be precoated with [hydrophobic protection](#) against moisture and insecticide, in Stora Enso's [new fully automated coating line](#). Using robotics to precoat the [Sylva™ CLT Walls and Floors](#) has already contributed to the high quality and short construction schedule.

The coatings will reduce the need for scheduling onsite labour to protect the wood during construction. Elements can be quite literally lifted directly into place from the truck. This approach also cuts down on noise pollution and traffic in and around the school area.

The school is set to open in 2024 and will be named 'E'cole Alice Milliat' after the famous Nanets born sportswoman.

Check back for more updates.

Special thanks to forma6 for the interview and images.

This Sylva™ kit includes:

[Sylva CLT Walls and Floors](#) 346.106 m³ [Sylva CLT Rib Floors](#) 65/ 1,170m² [Sylva Stairs](#) 16 elements/16 m³ [Connecting LVL](#) 27x150x5000 mm
The façade is also uses recycled materials and certified bio-based wood fibre insulation. **Sylva™ Services Protect Hydrophobic** 1,996 m² **Insecticide** 16390 m² **Connect Lifting straps**

Read more:

[Architect's description](#)

[Health and Well Being Benefits of Building Schools in Wood](#)

General

Delivery year

Under Construction

Building type

Education

Area (m²)

2150

Storeys

2

Units

1



Photo credit: forma6



StoraEnso



Products

Products

LVL, Sylva™ CLT Floors and Roofs, Sylva™ CLT Rib Floors, Sylva™ CLT Stairs, Rib Panels

Product quality

NVI, INV precoated with Hydrophobic (Lignopro 850) and Insecticide

Product volume (m³)

346



Team

Developer

Ville de Nantes

Architect

forma6

Main contractor

OBM

Specialist Timber Subcontractor

OBM

Timber Engineer

EDEIS



Others

Construction duration (months)

9