



LOCTITE HB XE LINE

# SETTING A **NEW** BENCHMARK IN **FIRE** **SAFETY** AND PERFORMANCE FOR **SUSTAINABLE** TIMBER CONSTRUCTION FOR **EUROPE**

- › **Slower burn rate than traditional CLT:** Matches the charring rate of solid wood at 0.65 mm/min
- › **Reduces timber consumption** when the fire rating is high
- › **Compliance with future regulations:** Passes the bond line integrity test of Eurocode 5



Henkel Adhesive Technologies



## LOCTITE HB XE LINE

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**LOCTITE HB XE is a high-performance structural adhesive specifically designed for face-bonding applications in the production of Cross-Laminated Timber (CLT) and Glued-Laminated Timber (GLT) in Europe. It offers outstanding fire performance, while providing the durability and reliability of traditional PUR adhesives.**

LOCTITE HB XE was developed in response to the growing importance of fire and heat resistance in mass timber construction, particularly in high-rise buildings.

With future regulations, like Eurocode 5 (EC5), which will mandate stricter fire resistance standards, LOCTITE HB XE Line helps Henkel's customers seamlessly meet both current and forthcoming safety requirements, ensuring compliance with evolving timber construction standards. Additionally, it meets the highest health and safety requirements for construction products.

The HB XE Line is part of the load-bearing LOCTITE HB polyurethane adhesives, trusted in timber construction for over 30 years. Each LOCTITE HB line is designed to support manufacturers' efficiency and productivity goals.

## Performance Characteristics

- › **Faster AT/PT performance:** Optimized adhesive setting times improve overall production efficiency
- › **Lower application weight:** Reduces adhesive use, offering cost and material savings during application
- › **Long shelf life:** 9-month shelf life ensures flexibility in production cycles
- › **Formaldehyde free**
- › **Low VOC emissions**

## Product Specifications \*

Assembly time	10 minutes at 30°C **
Press time	16 minutes at 20°C **
Viscosity	good flow properties
Rheology	shear thinning
Density	1.16g/cm <sup>3</sup>
Filler	no fibers, non-abrasive

## European certified

- › EN 15425 I 90 GP 0.3 w certified
- › EN 1995-1-2:2025, Annex B.3:  
"bond line integrity maintained"

\* using the example of LOCTITE HB XE 10

\*\* at 12% wood moisture content and 65% relative humidity

GET IN CONTACT WITH US

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