

LOCTITE®

LOCTITE HB X PURBOND-LINE

**STRUCTURAL
ADHESIVE SYSTEM
FOR DEMANDING
HEAT AND FIRE
PERFORMANCE**



Mjøstårnet Hotel, Norway

LOCTITE HB X enables mass timber producers to deliver building products that meet the most stringent heat and fire safety standards, such as the PRG 320 Standard for Performance-Rated Cross-Laminated Timber.

LOCTITE HB X is used in the tallest timber buildings in North America, and a growing number of iconic, award-winning, wood buildings around the world.

The HB X Line belongs to the LOCTITE polyurethane adhesives, serving timber construction for over 30 years. All LOCTITE HB systems are adapted to manufacturers' operations and productivity goals.

Their environmental benefits include:

- › Low waste (due to precise dosing)
- › Cold pressing to ensure energy saving
- › Compliance with even the most stringent indoor air quality standards

Made without fibers, formaldehyde, or solvents, LOCTITE polyurethane one component systems create lasting bonds in high-performance, durable, premium-quality engineered wood products.



Henkel Adhesive Technologies

LOCTITE HB X PURBOND-LINE STRUCTURAL ADHESIVE SYSTEM FOR DEMANDING HEAT AND FIRE PERFORMANCE

Product Benefits

- › Charring rate of CLT 0.7 mm/min (20 mm to 40 mm lamella thickness)
- › Glue Line Integrity in Fire according to the future Eurocode 5.
- › Formaldehyde free – **JAIA 4 Stars**
- › Low VOC emissions – **GreenGuard UL2818**

Globally certified:

North America

- › Adhesives for structural wood products – CSA 0122.9
- › Glue laminated timber certifications – AITC 405-2008 & ANSI/AITC A190.1-2007
- › Cross-laminated timber certification – ANSI/APA PRG 320-2019
- › Fire resistant building material – ASTM E119
- › Heat resistant adhesive for finger-jointing
HRA Finger joint/ASTM D7474 (HB X032)

Europe

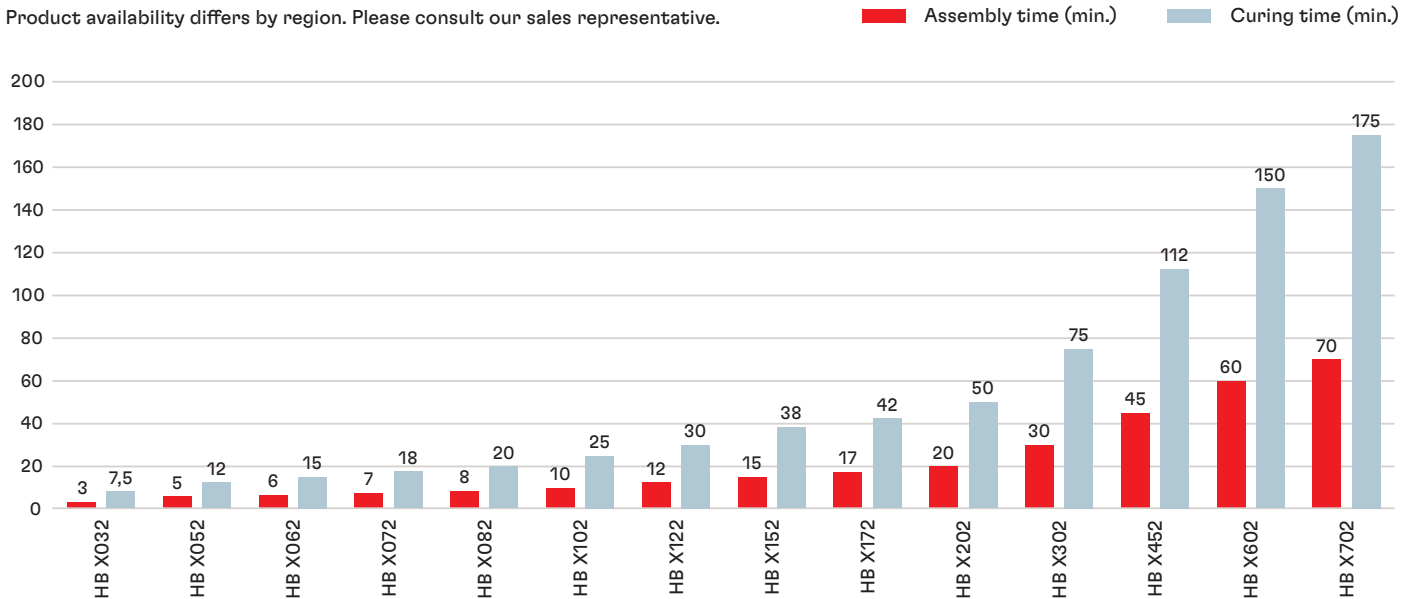
- › EN 15425 I 90 FJ 0.1 w (HB X052)
- › EN 15425 I 90 GP 0.3 w certified between HB X102 and HB X702

Product Specifications

Assembly time	3 – 70 min.
Press time	7,5 – 175 min.
Viscosity	20,000 – 32,000 mPa·s
Rheology	Thixotropic
Density	1.15 g/cm ³
Filler	Non-abrasive
AT/PT ratio	1 : 2.5

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Product availability differs by region. Please consult our sales representative.



GET IN CONTACT WITH US

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