

# LOCTITE HB X PURBOND-LINE

# **STRUCTURAL ADHESIVE SYSTEM** FOR **DEMANDIN HEAT** AND **FIRE PERFORMANCE**

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.





# 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

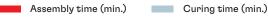
- > EN 15425 I 90 FJ 0.1 w (HB X052)
- > EN 15425 I 90 GP 0.3 w certified between HB X102 and HB X702

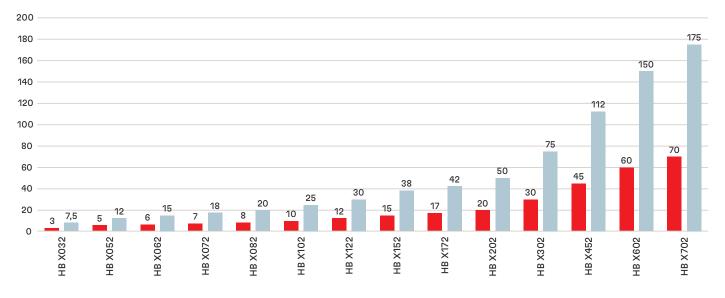
# **Product Specifications**

Assembly time	3 – 70 min.
Press time	7,5 – 175 min.
Viscosity	20,000 – 32,000 mPa·s
Rheology	Thixotropic
Density	1.15 g/cm³
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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