BINDERHOLZ CLT BBS 125

1. Unique identification code of the product type
   binderholz CLT BBS system format “BBS 125” according to ETA-06/0009

2. Intended use
   CLT BBS, multi-ply timber construction elements for wall, ceiling, roof and special construction elements for load-bearing purposes

3. Manufacturer
   Binderholz Bausysteme GmbH
   Zillertalstraße 39 · A-6263 Fügen

4. Manufacturer’s plant
   Binderholz Unternberg GmbH · Cross laminated timber plant
   Stranach 26 · A-5585 Unternberg

5. Agent
   NPD

6. System for assessing and inspecting constancy of performance
   System 1

   European Assessment Document (EAD)
   EAD 130005-00-0304, 2015/03

   European Technical Assessment (ETA)
   ETA-06/0009, 2017/06

   Technical Assessment Office
   Deutsches Institut für Bautechnik (DIBt)
   Holzforschung Austria 1359
   1359-CPR-0758

7. Declared performance and essential characteristics

   Format
   BBS 125 (System format)

   Number of layers
   3 ≤ n ≤ 9 (max. 2 with fibres running in parallel)

   Thickness range
   54 - 350 mm

   Width
   1.25 m

   Length
   ≤ 5 m / with universal finger joint according to EN 14080 up to ≤ 24 m

   Types of wood
   Spruce/fir, pine, douglas fir, larch, stone pine (non-load-bearing)

   Modulus of elasticity
   Top / longitudinal layers (running in the direction of the fibres of the top layers)
   Solid timber in accordance with EN 338: ≥ 90% C24; < 10% C16

   Bending strength
   Transverse layers (layers running at right angles to the direction of the fibres in the top layer)
   Solid timber in accordance with EN 338: ≥ 30% C24; < 70% C16

   Compression strength
   Top / Longitudinal / Transverse layers
   Solid wood panels in accordance with EN 13986 / EN 13353 to max. 50% of the cross-section
   Characteristic properties according to ETA-06/0009, Tables 1 and 2

   Tensile strength
   Use adhesive in accordance with EN 301 or alternatively with formaldehyde-free 1-K-PUR adhesive according to EN 15425 and EN 14080 2013, Appendix B.2 and B.1 with panel layers, finger jointed single panels and universal finger joints. The finger joints of the individual boards of the layers are bonded in accordance with EN 14080. Surface bonding in accordance with ETA-06/0009.

   Shear strength
   Use class 1 and 2 according to EN 1995-1-1

   Thermal conductivity \( \lambda \)
   0.12 W/(m²*K)

   Spec. thermal capacity \( C_p \)
   1,600 J/(kg*K)

   Permanent adhesion
   Use class 1 and 2 according to EN 1995-1-1

   Fire behaviour
   Wood components apart from the floor | Euro class D-s2, d0

   Emission of hazardous substances
   Formaldehyde emission class E1 according to EN 14080; no release of other hazardous substances

   Protective treatment
   NPD

   Other characteristics
   according to ETA-06/0009

8. The performance of the product identified above is in conformity with the declared performance. The manufacturer identified above is solely responsible for producing the Declaration of Performance in accordance with Regulation (EU) No. 305/2011. The manufactured CLT BBS is not governed by any REACH registration obligation.

Unternberg, 02.05.2018

Thomas Aigner Operations Director/Managing Director
Signed on behalf of the manufacturing company