

## Declaration of Performance

Nr. DoP-6171-02

1. Unambiguous identification code of the product type: **BSH-UKZV**
2. Intended use: **In building and bridge construction**
3. Manufacturer: **Poppensieker & Derix GmbH & Co. KG Industriestraße 24  
49492 Westerkappeln GERMANY  
Tel: +49 (54 56) 93 03 0  
Fax: +49 (54 56) 93 03 30  
www.derix.de**
4. Authorized representative: **No external authorized representative**
5. System for assessing and verifying the constancy of performance: **System 1**
- 6.a Harmonized standard: **EN 14080:2013**
- Notified body: **No. 0769 - „Karlsruher Institut für Technologie (KIT)“**
7. Declared performance:

Main characteristics	Performance
<b>Mechanical properties covering: modulus of elasticity, bending strength, compressive strength, tensile strength and shear strength as:</b>	
Property of wood and strength of finger joints	Strength class for: <b>BSH-UKZV:</b> GL 24, GL28, GL30
Bending strength of universal finger joint	<b>BSH-UKZV:</b> GL24 $f_{m,l,fj,dc,k} = 19.2 \text{ N/mm}^2$ GL28 $f_{m,l,fj,dc,k} = 22.4 \text{ N/mm}^2$ GL30 $f_{m,l,fj,dc,k} = 24.0 \text{ N/mm}^2$
Product dimensions	For all product types Widths from 60 to 300 mm in single cross-section or multiples thereof heights from 100 to 2600 mm lengths up to 65 m
<b>Adhesive strength as</b>	
Strength of finger joints and	For all product types: See mechanical properties, strength of finger joints
Adhesive strength of adhesive joints	For all product types: Delamination according EN 14080, Annex C Method B
Bending strength of universal finger joints	For all product types: See mechanical properties, strength of finger joints
Adhesive joints between BS-wood components	Shear test according to EN 14080:2013, Annex D

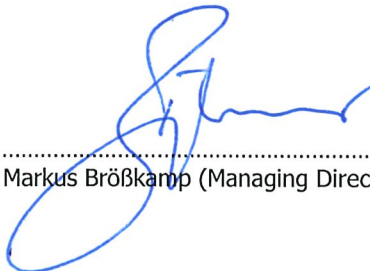
<b>Reaction to fire as</b>	
Fire behavior class	For all product types: D-s2, d0 according to Annex of the delegated regulation (EU)2017/1227 of the Commission of 20.03.2017
<b>Resistance to fire as</b>	
Properties of wood and strength of finger joints and geometric data	For all product types: see "Mechanical properties"
<b>Emission of formaldehyde as</b>	
Formaldehyde emission class	For all product types: E1
<b>Release of other dangerous substance</b>	
Release of other dangerous substance	For all product types: no performance established
<b>Durability of adhesive strength as</b>	
Wood type	For all product type: Spruce (Picea abies); Fir (Abies alba); Larch (Larix)
Adhesive	For all product types: Adhesive for finger joints: MUF, EN 301-I-90-GP-0,3-S Adhesive for surface bonding: MUF, EN 301-I-90-GP-0,3-S Adhesive for block joints: MUF, EN 301-I-90-GF-1.5-M Adhesive for universal finger joint: MUF, EN 301-I-90-GF-1.5-M
<b>Durability of other properties (i.e., resistance to biological attack) as</b>	
Slats without protective treatment	Natural durability class against wood-destroying fungi according to EN 350 for all product types: DC5

The performance of the above product corresponds to the performances declared. The above- mentioned manufacturer is solely responsible for drawing up the declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

Poppensieker & Derix GmbH & Co. KG

.....  
(Westerkappeln, 14.01.2019)

  
Markus Brößkamp (Managing Director)