

**Declaration of performance according Regulation (EC) no. 305/2011 LivingBoard face P5 - Code 5675**

**Load-bearing boards for use in humid conditions**

Relevant harmonised standard: EN 13986:2004

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The according CPD notified body "Qualitätsgemeinschaft Holzwerkstoffe e. V., Ursulum 18, 35396 Gießen, no. 1344 (QG)" has performed the initial inspection of the factory and of the factory production control (FPC). The according CPR notified body "Entwicklungs- und Prüflabor Holztechnologie GmbH, no. 0766" performs together with the QG the continuous surveillance, assessment and approval of the FPC according system 2+. A certificate of the conformity for the FPC was issued by the QG: no. 1344-CPD-006.

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**Thickness (nominal)** > 9 mm to ≤ 10 mm

**Classification of boards (EN 312)** P5

**Reaction to fire euroclasses (EN 13986)** D-s2, d0

**Conditions of use (EN 1995-1-1)** Service class 1 + 2

**Content, pentachlorophenol** < 3 ppm

**Class, formaldehyde release (EN 13986)** E1

The Bonding is free of formaldehyde.

**Bending strength (EN 310)** 18 N/mm<sup>2</sup>

**Modulus of elasticity in bending (EN 310)** 2550 N/mm<sup>2</sup>

**Internal bond (EN 319)** 0.45 N/mm<sup>2</sup>

**Swelling in thickness, 24 h (EN 317)** 13 %

**Internal bond after boil test (EN 1087-1)** 0.15 N/mm<sup>2</sup>

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i. V. Claus Seemann (Leitung Produktmanagement Träger)

25.07.2013

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<b>Thickness (nominal)</b>	> 10 mm to ≤ 13 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	18 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	2550 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.45 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	11 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.15 N/mm <sup>2</sup>

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<b>Thickness (nominal)</b>	> 13 mm to ≤ 20 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	16 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	2400 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.45 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	10 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.14 N/mm <sup>2</sup>

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<b>Thickness (nominal)</b>	> 20 mm to ≤ 25 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	14 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	2150 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.40 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	10 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.12 N/mm <sup>2</sup>

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<b>Thickness (nominal)</b>	> 25 mm to ≤ 32 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	12 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	1900 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.35 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	10 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.11 N/mm <sup>2</sup>

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<b>Thickness (nominal)</b>	> 32 mm to ≤ 40 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	10 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	1700 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.30 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	9 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.10 N/mm <sup>2</sup>

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<b>Thickness (nominal)</b>	> 40 mm
<b>Classification of boards (EN 312)</b>	P5
<b>Reaction to fire euroclasses (EN 13986)</b>	D-s2, d0
<b>Conditions of use (EN 1995-1-1)</b>	Service class 1 + 2
<b>Content, pentachlorophenol</b>	< 3 ppm
<b>Class, formaldehyde release (EN 13986)</b>	E1 The Bonding is free of formaldehyde.
<b>Bending strength (EN 310)</b>	9 N/mm <sup>2</sup>
<b>Modulus of elasticity in bending (EN 310)</b>	1550 N/mm <sup>2</sup>
<b>Internal bond (EN 319)</b>	0.25 N/mm <sup>2</sup>
<b>Swelling in thickness, 24 h (EN 317)</b>	9 %
<b>Internal bond after boil test (EN 1087-1)</b>	0.09 N/mm <sup>2</sup>

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