

## Technical data

### PremiumBoard P5

<b>Tolerance on thickness</b>	± 0.3 mm
<b>Tolerance on length (EN 324-1)</b>	± 5 mm
<b>Tolerance on width (EN 324-1)</b>	± 5 mm
<b>Straightness of edges (EN 324-2)</b>	1.5 mm/m
<b>Squareness (EN 324-2)</b>	2 mm/m
<b>Moisture content (EN 322)</b>	9 % ± 4 %
<b>Formaldehyde emission class</b>	E1 E05
<b>Availability</b>	Other formats and thicknesses on request; please also note our respective minimum order quantities.

Property	Test method	Unit	Requirement							
			Thickness / Range of thickness (mm, nominal dimension)							
			≤ 8.9	> 8.9 to ≤ 10	> 10 to ≤ 13	> 13 to ≤ 20	> 20 to ≤ 25	> 25 to ≤ 32	> 32 to ≤ 40	> 40
<b>Mean density</b>	EN 323	kg/m <sup>3</sup>	790 – 690	790 – 690	770 – 680	700 – 660	670 – 650	660 – 640	640 – 620	≤ 620
<b>Bending strength</b>	EN 310	N/mm <sup>2</sup>	18	18	18	16	14	12	10	9
<b>Bending modulus of elasticity</b>	EN 310	N/mm <sup>2</sup>	2,550	2,550	2,550	2,400	2,150	1,900	1,700	1,550
<b>Internal bond</b>	EN 319	N/mm <sup>2</sup>	0.45	0.45	0.45	0.45	0.4	0.35	0.3	0.25
<b>Swelling in thickness, 24 h</b>	EN 317	%	13	13	11	10	10	10	9	9
<b>Internal bond after boil test</b>	EN 1087-1	N/mm <sup>2</sup>	0.15	0.15	0.15	0.14	0.12	0.11	0.1	0.09

© Copyright 2024 Pfleiderer Deutschland GmbH

This information has been compiled with the greatest care. Nevertheless we can assume no liability for the correctness, completeness and up-to-date-ness of this information. Colour deviations caused by the printing technology are possible. In view of the ongoing further development and adaptation of our products, possible amendments to the relevant standards, laws and regulations, our technical data sheets and product documentation expressly do not constitute a legally binding assurance of the properties described there. In particular no guarantee of suitability for a concrete application can be derived. It is therefore the personal responsibility of the individual user in all cases to check the processing and suitability of the products described in this document for the intended application in advance, and to take into consideration the legal framework and the respective state-of-the-art. We furthermore expressly draw attention to the applicability of our General Terms and Conditions.

You can find our general terms and conditions on our webpage: [www.pfleiderer.com](http://www.pfleiderer.com)