

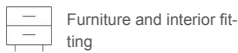
## Technical data

### PrimeBoard XTreme P2 CARB2

Emission-reduced melamine resin faced chipboard with high quality and innovative multi-layer coating made up of a permanently elastic functional layer and UV-curing acrylic coatings.



#### Applications



Furniture and interior fitting

#### Properties



High brilliance



Variety of decors and / or textures



Easy care



Anti-fingerprint



Easy to use and machine



Particularly low emission

#### Certificates



Specification						Unit	Test standard
Nominal thickness	10	12	13	16	18	mm	
Tolerance on thickness	+0.5/-0.3					mm	EN 14323
Length- and width tolerance	± 5					mm	EN 14323
Flatness	≤ 2 <sup>1)</sup>					mm/m	EN 14323
Edge damage	≤ 10					mm	EN 14323
Resistance to scratching	≥ 3 <sup>2)</sup>	≥ 3 <sup>2)</sup>	≥ 3 <sup>2)</sup>	≥ 2.5 <sup>3)</sup> ≥ 3 <sup>2)</sup>	≥ 2.5 <sup>3)</sup> ≥ 3 <sup>2)</sup>	N	in accordance with EN 15186 / Method B
Resistance to microscratching	1					Class	DIN CEN/TS 16611; IHD-W-466 / Method A
Cross-cut test	≤ 1					Specific value	EN ISO 2409
Chemical resistance	1B					Durability class	DIN 68861-1
Surface gloss	≤ 5 / 60° <sup>2)</sup>	≤ 5 / 60° <sup>2)</sup>	≤ 5 / 60° <sup>2)</sup>	≥ 90 / 60° <sup>3)</sup> ≤ 5 / 60° <sup>2)</sup>	≥ 90 / 60° <sup>3)</sup> ≤ 5 / 60° <sup>2)</sup>		EN 13722
Behavior at abrasion	2B					Durability class	DIN 68861-2
Resistance to colour change in xenon arc light	min. 4 Grey Scale Grade min. 6 Blue Wool Standard						EN 15187
Resistance to cracking	5					Rating	EN 14323
Behaviour in dry heat	7D (70 °C)					Durability class	DIN 68861-7
Behaviour in humid heat	8B (70 °C)					Durability class	DIN 68861-8
Surface defects	Surface defects must not have a detrimental effect. Defects not larger than 1.0 mm <sup>2</sup> and detected from an observation distance of 0.7 m and a viewing angle of about 30° during the evaluation of the surface are permissible. Max. 1 fault per m <sup>2</sup> is permissible. The total number of defects allowed per board may be concentrated in one area or split across several defects.						AMK-MB-009
Reaction to fire	normally flammable						

## Technical data

### PrimeBoard XTreme P2 CARB2

Specification						Unit	Test standard
Nominal thickness	10	12	13	16	18	mm	
Reaction to fire (Euroclass)	D-s2,d0 according to EN 13986 dependent on end use (Thickness: $\geq 9$ mm / Gross density: $\geq 600$ kg/m <sup>3</sup> )						
Formaldehyde emission class	E1 E05 CARB Phase 2 / TSCA Title VI						EN 717-1
Mean density	720 - 640 <sup>4)</sup>	720 - 640 <sup>4)</sup>	720 - 640 <sup>4)</sup>	640 - 620 <sup>4)</sup>	640 - 620 <sup>4)</sup>	kg/m <sup>3</sup>	EN 323
Flexural strength	11 <sup>4)</sup>					N/mm <sup>2</sup>	EN 310
Modulus of elasticity (bending stiffness)	1,800 <sup>4)</sup>	1,800 <sup>4)</sup>	1,800 <sup>4)</sup>	1,600 <sup>4)</sup>	1,600 <sup>4)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond	0.4 <sup>4)</sup>	0.4 <sup>4)</sup>	0.4 <sup>4)</sup>	0.35 <sup>4)</sup>	0.35 <sup>4)</sup>	N/mm <sup>2</sup>	EN 319
Surface soundness	0.8 <sup>4)</sup>					N/mm <sup>2</sup>	EN 311

<sup>1)</sup> If symmetrical decor structure

<sup>2)</sup> XTreme Matt

<sup>3)</sup> XTreme High Gloss

<sup>4)</sup> Core material

Specification					Unit	Test standard
Nominal thickness	19	22	25	28	mm	
Tolerance on thickness	+0.5/-0.3	$\pm 0,5$	$\pm 0,5$	$\pm 0,5$	mm	EN 14323
Length- and width tolerance	$\pm 5$				mm	EN 14323
Flatness	$\leq 2$ <sup>1)</sup>				mm/m	EN 14323
Edge damage	$\leq 10$				mm	EN 14323
Resistance to scratching	$\geq 2.5$ <sup>3)</sup> $\geq 3$ <sup>2)</sup>				N	in accordance with EN 15186 / Method B
Resistance to microscratching	1				Class	DIN CEN/TS 16611; IHD-W-466 / Method A
Cross-cut test	$\leq 1$				Specific value	EN ISO 2409
Chemical resistance	1B				Durability class	DIN 68861-1
Surface gloss	$\geq 90 / 60^\circ$ <sup>3)</sup> $\leq 5 / 60^\circ$ <sup>2)</sup>					EN 13722
Behavior at abrasion	2B				Durability class	DIN 68861-2
Resistance to colour change in xenon arc light	min. 4 Grey Scale Grade min. 6 Blue Wool Standard					EN 15187
Resistance to cracking	5				Rating	EN 14323
Behaviour in dry heat	7D (70 °C)				Durability class	DIN 68861-7
Behaviour in humid heat	8B (70 °C)				Durability class	DIN 68861-8
Surface defects	Surface defects must not have a detrimental effect. Defects not larger than 1.0 mm <sup>2</sup> and detected from an observation distance of 0.7 m and a viewing angle of about 30° during the evaluation of the surface are permissible. Max. 1 fault per m <sup>2</sup> is permissible. The total number of defects allowed per board may be concentrated in one area or split across several defects.					AMK-MB-009
Reaction to fire	normally flammable					
Reaction to fire (Euroclass)	D-s2,d0 according to EN 13986 dependent on end use (Thickness: $\geq 9$ mm / Gross density: $\geq 600$ kg/m <sup>3</sup> )					

## Technical data

### PrimeBoard XTreme P2 CARB2

Specification					Unit	Test standard
Nominal thickness	19	22	25	28	mm	
Formaldehyde emission class	E1 E05 CARB Phase 2 / TSCA Title VI					EN 717-1
Mean density	640 - 620 <sup>4)</sup>	620 - 600 <sup>4)</sup>	620 - 600 <sup>4)</sup>	600 - 580 <sup>4)</sup>	kg/m <sup>3</sup>	EN 323
Flexural strength	11 <sup>4)</sup>	10.5 <sup>4)</sup>	10.5 <sup>4)</sup>	9.5 <sup>4)</sup>	N/mm <sup>2</sup>	EN 310
Modulus of elasticity (bending stiffness)	1,600 <sup>4)</sup>	1,500 <sup>4)</sup>	1,500 <sup>4)</sup>	1,350 <sup>4)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond	0.35 <sup>4)</sup>	0.3 <sup>4)</sup>	0.3 <sup>4)</sup>	0.25 <sup>4)</sup>	N/mm <sup>2</sup>	EN 319
Surface soundness	0.8 <sup>4)</sup>				N/mm <sup>2</sup>	EN 311

<sup>1)</sup> If symmetrical decor structure

<sup>2)</sup> XTreme Matt

<sup>3)</sup> XTreme High Gloss

<sup>4)</sup> Core material

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>in accordance with EN 14322</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Exclusive interior and project fixtures and fittings, living room and bedroom furniture / sliding doors, bathroom furniture and kitchen fronts.</li> </ul>
Core material	<ul style="list-style-type: none"> <li>ClassicBoard P2 CARB2</li> <li>Low emission particleboard core, type P2 in accordance with EN 312, suitable for non load-bearing purposes in dry areas.</li> </ul>
Product safety	<ul style="list-style-type: none"> <li>This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.</li> <li>We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.</li> </ul>
Special	<ul style="list-style-type: none"> <li>The lacquering can be applied on one or both sides.</li> <li>Please comply with information for PrimeBoard XTreme Collection</li> <li>The main quality features of PrimeBoard XTreme are listed in this document. Individually requested properties not listed here can, if necessary, be answered on request in accordance with the relevant standards and test procedures.</li> <li>Due to the industrial manufacturing process and despite state-of-the-art production technology, it is not possible to produce a completely faultless surface; minor imperfections and surface irregularities are therefore permissible.</li> <li>To protect the high-quality surface Pfleiderer delivers these surface textures with a protective foil. The protective foil must be removed as soon as possible after processing – but at the latest within 6 months after delivery – to ensure residue-free removal of the foil. In addition, foiled boards must not be exposed to direct sunlight (UV radiation).</li> </ul>
Disposal	<ul style="list-style-type: none"> <li>PrimeBoard XTreme is classified in waste wood class A2. The known disposal regulations regarding material and energy recovery apply.</li> </ul>
Note	<ul style="list-style-type: none"> <li>FSC certification or PEFC certification available on request.</li> <li>FSC license code: FSC® C011773</li> <li>PEFC license code: PEFC/04-32-0828</li> </ul>
Colour and surface match	<ul style="list-style-type: none"> <li>Decor, structure and core board all influence the final appearance of the end product.</li> <li>Due to the product-specific differences in production technologies, even identical decor/structure/core board combinations can result in slight optical and tactile deviations across different product groups and formats. Such deviations do not constitute a defect.</li> <li>The choice of surface structure in particular has a significant influence on the visual impression, the tactile perception as well as the technical characteristics of the product. Thus, the overall impression of a decor can change almost completely depending on the surface structure. Furthermore, mechanical influences on the product surface can lead to a higher contrast optical perception with dark decors.</li> <li>To ensure that you always achieve the best results with our products and to clarify any deviations in advance, we will be happy to advise you individually.</li> </ul>

## Technical data

### PrimeBoard XTreme P2 CARB2

Further information on products, formats and decor/structure combinations is available at [www.pfleiderer.com](http://www.pfleiderer.com)

© Copyright 2023 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-dateness 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)

---

#### Pfleiderer Deutschland GmbH

Ingolstädter Str. 51  
92318 Neumarkt  
Germany

phone +49 (0) 91 81 28 48 0  
Fax +49 (0) 91 81 28 48 2  
[info@pfleiderer.com](mailto:info@pfleiderer.com)  
[www.pfleiderer.com](http://www.pfleiderer.com)