

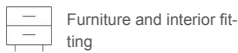
Technical data

Duropal Element XTreme P2

Flat bonded element consisting of a particleboard type P2 to EN 312, surfaced on both sides with Duropal XTreme, an attractive supermatt surface material with an anti-fingerprint effect.



Applications



Furniture and interior fitting

Properties



Variety of decors and / or textures



Easy care



Anti-fingerprint



Food harmless



Particularly low emission

Certificates



Specification									Unit	Test standard
Nominal thickness	9.6	16	17.6	19	20.6	25	29.6	39.6	mm	
HPL-thickness	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	mm	
Design front edge	not processed									
Design rear edge	not processed									
Tolerance on thickness	± 0.5								mm	ISO 13894-1
Tolerance on length	± 5								mm	ISO 13894-1
Tolerance on width	± 5								mm	ISO 13894-1
Surface defects – HPL	max. 1 ¹⁾ max. 10 ²⁾								mm ² /m ² mm/m ²	EN 438-2
Straightness of edges	± 0.5								mm/m	ISO 13894-1
Squareness	≤ 2								mm/m	ISO 13894-1
Flatness (length)	≤ 2								mm/m	ISO 13894-1
Flatness (width)	≤ 2								mm/m	ISO 13894-1
Resistance to wet heat, 100 °C (other finishes) – HPL	min. 4								rating	EN 438-2
Resistance to dry heat, 160 °C (other finishes) – HPL	min. 4								rating	EN 438-2
Resistance to water vapour (other finishes) – HPL	min. 4								rating	EN 438-2
Resistance to surface wear – HPL	min. 150								cycles	EN 438-2
Resistance to scratching (smooth finishes) – HPL	min. 3								rating	EN 438-2
Resistance to impact (small diameter ball)	min. 15 ³⁾								N/mm	ISO 13894-1
Stain resistance (groups 1 & 2) – HPL	min. 5								rating	EN 438-2
Stain resistance (group 3) – HPL	min. 4								rating	EN 438-2
Resistance to colour change (xenon arc light) – HPL	4 to 5 Grey Scale Grade									EN 438-2
Reaction to fire	normally flammable									

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HPL-thickness	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	mm	
Reaction to fire (Euroclass)	not classified	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	not classified	not classified		EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1 E05									EN 717-1
Mean density	≥ 720 ⁴⁾	640 ⁴⁾	640 ⁴⁾	640 ⁴⁾	640 ⁴⁾	620 ⁴⁾	600 ⁴⁾	580 ⁴⁾	kg/m ³	EN 323
Bending strength	11 ⁴⁾	11 ⁴⁾	11 ⁴⁾	11 ⁴⁾	11 ⁴⁾	10.5 ⁴⁾	9.5 ⁴⁾	8.5 ⁴⁾	N/mm ²	EN 310
Modulus of elasticity (bending stiffness)	1,800 ⁴⁾	1,600 ⁴⁾	1,600 ⁴⁾	1,600 ⁴⁾	1,600 ⁴⁾	1,500 ⁴⁾	1,350 ⁴⁾	1,200 ⁴⁾	N/mm ²	EN 310
Internal bond	0.4 ⁴⁾	0.35 ⁴⁾	0.35 ⁴⁾	0.35 ⁴⁾	0.35 ⁴⁾	0.3 ⁴⁾	0.25 ⁴⁾	0.2 ⁴⁾	N/mm ²	EN 319
Surface soundness	0.8 ⁴⁾								N/mm ²	EN 311
Durability – Water resistance	≤ 15								%	ISO 13894-1
Resistance to fixings (face)	≥ 50	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600	N/mm N	ISO 13894-1
Resistance to fixings (edge)		≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	N	ISO 13894-1
Bonding strength	≥ 0.6								N/mm ²	ISO 13894-1
Flexural tensile strength	≥ 0.6								N/mm ²	ISO 13894-1
Durability – Glue-line quality	≥ 3								rating	ISO 13894-1
Durability – Resistance to elevated temperature	no effect									ISO 13894-1

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ No surface damage according to the standard; optical change of the surface (>10 N) possible

⁴⁾ Core material

Additional information

Product standard	<ul style="list-style-type: none"> EN 13894-1
Areas of application	<ul style="list-style-type: none"> Furniture production and interior design wherever high demands are made on quality and durability: For kitchen and interior design furniture, in shop fitting and partition wall construction, for interior fitting of banks, offices, schools, clinics, laboratories, retail buildings, in shipbuilding and motor vehicle construction.
Core material	<ul style="list-style-type: none"> ClassicBoard P2 CARB2 Low emission particleboard core, type P2 in accordance with EN 312, suitable for non load-bearing purposes in dry areas.

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Product safety	<ul style="list-style-type: none"> This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.
Special	<ul style="list-style-type: none"> The smoother the structure and the the darker the decor, the more sensitive it is to stains. Due to a low orientation of the electron beam cured surface the field of application, the conditions of space lighting and the décor may cause certain optical effects. This is a result of the production methods and does not constitute a quality defect. Depending on the decor and surface texture, slightly different surface visual impressions can result between cut panels viewed from different angles. This is a result of the production methods and does not constitute a quality defect. Especially for large applications, we recommend paying attention to the colour and texture uniformity of the boards and cut products used when further processing and installing and that the production direction is taken into account. To avoid any possible aesthetic and optical impairments, the orientation of the boards specified on the protection film of the product must strictly be followed, especially for large-surface applications. Duropal XTreme doesn't prevent scratches, but allows horizontal application!
Note	<ul style="list-style-type: none"> FSC certification or PEFC certification available on request. FSC license code: FSC® C011773 PEFC license code: PEFC/04-32-0828
Colour and surface match	<ul style="list-style-type: none"> Decor, structure and core board all influence the final appearance of the end product. 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. 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. 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.

Further information on products, formats and decor/structure combinations is available at www.pfleiderer.com

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