

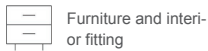
Technical data

Duropal Element XTreme plus P2

Flat bonded element consisting of a particleboard construction, Type P2 to EN 312, surfaced on both sides with Duropal XTreme plus.



Applications



Furniture and interior fitting

Properties



Decorative variety



Easy care



Anti-fingerprint



Antimicrobial



Food harmless



High scratch resistance



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 in mm	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 438-3:2016
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 (smooth finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to water vapour (smooth finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to surface wear - HPL	min. 400 ^{3) 4)}								cycles	EN 438-2:2016
Resistance to scratching (smooth finishes) - HPL	min. 5 ^{3) 4)}								rating	EN 438-2:2016
Resistance to impact (small diameter ball)	≥ 15								N/mm	ISO 13894-1
Stain resistance (groups 1 & 2) - HPL	min. 5								rating	EN 438-2:2016

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HPL-thickness in mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	mm	
Stain resistance (group 3) - HPL	min. 5								rating	EN 438-2:2016
Resistance to colour change (xenon arc light) - HPL	4 to 5 Grey Scale Grade									EN 438-2:2016
Reaction to fire	normally flammable									
Reaction to fire (Euroclass)		D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0				EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1 E05									EN 717-1
Mean density	≥ 720 ⁵⁾	640 - 620 ⁵⁾	640 - 620 ⁵⁾	640 - 620 ⁵⁾	640 - 620 ⁵⁾	620 - 600 ⁵⁾	600 - 580 ⁵⁾	580 - 540 ⁵⁾	kg/m ³	EN 323
Bending strength - Raw core materials	11 ⁵⁾	11 ⁵⁾	11 ⁵⁾	11 ⁵⁾	11 ⁵⁾	10.5 ⁵⁾	9.5 ⁵⁾	8.5 ⁵⁾	N/mm ²	EN 310
Modulus of elasticity (bending stiffness) - Raw core materials	1,800 ⁵⁾	1,600 ⁵⁾	1,600 ⁵⁾	1,600 ⁵⁾	1,600 ⁵⁾	1,500 ⁵⁾	1,350 ⁵⁾	1,200 ⁵⁾	N/mm ²	EN 310
Internal bond - Raw core materials	0.4 ⁵⁾	0.35 ⁵⁾	0.35 ⁵⁾	0.35 ⁵⁾	0.35 ⁵⁾	0.3 ⁵⁾	0.25 ⁵⁾	0.2 ⁵⁾	N/mm ²	EN 319
Surface soundness - Raw core materials	0.8 ⁵⁾								N/mm ²	EN 311
Durability - Water resistance	≤ 15								%	ISO 13894-1
Resistance to fixings (face)	≥ 100	≥ 1,500	≥ 1,500	≥ 1,500	≥ 1,500	≥ 1,500	≥ 1,500	≥ 1,500	N/mm	ISO 13894-1
Resistance to fixings (edge)		≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	N/mm	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⁾ Classification HGS

⁴⁾ Classification VGS

⁵⁾ 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.
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.

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Antimicrobial effect	<ul style="list-style-type: none"> Surface with antimicrobial effect in 24h for interior fit-out and finishes - Test Methodology JIS Z 2801 / ISO 22196
Special	<ul style="list-style-type: none"> It is recommended to order overlay for horizontal, heavy used surfaces in combination with metallic designs. Slight visual difference to the surface is possible without the overlay. Certificate Blue Angel - Ecolabel (RAL DE-UZ 76)
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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