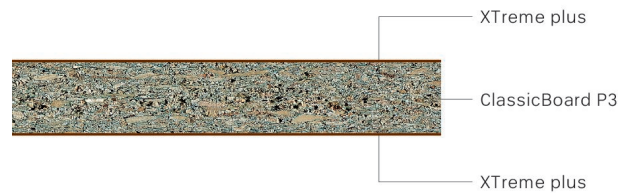


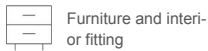
Technical data

Duropal Element XTreme plus P3

Flat bonded element of a moisture-resistant particleboard construction, Type P3 to EN 312, faced on both sides with Duropal XTreme plus.

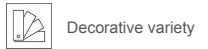


Applications



Furniture and interior fitting

Properties



Decorative variety



Easy care



Anti-fingerprint



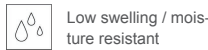
Antimicrobial



Food harmless



High scratch resistance



Low swelling / moisture resistant

Certificates



| Specification | | | Unit | Test standard |
|--|---|------|--|---------------|
| Nominal thickness | 17.6 | 20.6 | mm | |
| HPL-thickness in mm | 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 |

Technical data

Duropal Element XTreme plus P3

| Specification | | | Unit | Test standard |
|--|-------------------------|------|-------------------|--------------------------------------|
| Nominal thickness | 17.6 | 20.6 | mm | |
| HPL-thickness in mm | 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 | | | EN 13501-1, CWFT acc. to 2003/593/EG |
| Formaldehyde emission class | E1 E05 | | | EN 717-1 |
| Mean density | 690 - 680 ⁵⁾ | | kg/m ³ | EN 323 |
| Bending strength - Raw core materials | 14 ⁵⁾ | | N/mm ² | EN 310 |
| Modulus of elasticity (bending stiffness) - Raw core materials | 1,950 ⁵⁾ | | N/mm ² | EN 310 |
| Internal bond - Raw core materials | 0.45 ⁵⁾ | | N/mm ² | EN 319 |
| Thickness swell (24 h) | 14 ⁵⁾ | | % | EN 317 |
| Durability - Water resistance | ≤ 12 | | % | ISO 13894-1 |
| Resistance to fixings (face) | ≥ 1,500 | | N | ISO 13894-1 |
| Resistance to fixings (edge) | ≥ 500 | | N | ISO 13894-1 |
| Bonding strength | ≥ 0.8 | | N/mm ² | EN 13894-1 |
| Flexural tensile strength | ≥ 1 | | 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

Technical data

Duropal Element XTreme plus P3

Additional information

| | |
|--------------------------|--|
| Areas of application | <ul style="list-style-type: none"> • Ideal for surfaces in furniture production and interior fitting where exceptional sturdiness and moisture resistance is required: For kitchen and bathroom furniture, elements in sanitary areas, in shop fitting and interior design construction, in clinics and laboratories plus workplaces such as in the foodstuffs processing industry. |
| 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. |
| 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. • Holohedral metallic designs can show because of light refraction certain optical area effects which also can be directional and slightly higher differences in the colour connection in comparison to classic plain colours. • Please consider that metallic designs react more sensitive to scratching and abrasion as well as to humidity as normal printed designs. The sensitivity of the surface increases with growing metallic content. The surface values of the relevant product standard are therefore only limited fulfilled. • The coarser the structure and the lighter the decor, the greater the scratch resistance. • The smoother the structure and the the darker the decor, the more sensitive it is to stains. • 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. • Classification HGP / HGF is achieved with the surface textures recommended for horizontal applications. Requirements of classification VGP / VGF are met by all surface textures. Please refer to our sales documentation, to check which textures are available for this product. |
| 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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