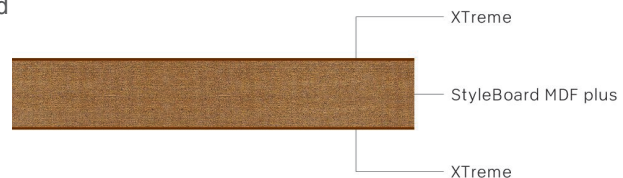


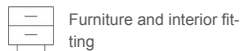
Technical data

Duropal Element XTreme MDF plus

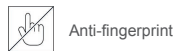
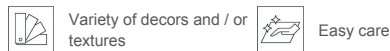
Flat bonded element consisting of a medium-density fibreboard (MDF) with uniform structure to EN 622-1, surfaced on both sides with Duropal XTreme, an attractive supermatt surface material with an anti-fingerprint effect.



Applications



Properties



Certificates



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

Technical data

Duropal Element XTreme MDF plus

| Specification | | | Unit | Test standard |
|---|--|------|-------------------|--------------------------------------|
| Nominal thickness | 17.6 | 20.6 | mm | |
| HPL-thickness | 0.8 | 0.8 | mm | |
| Reaction to fire (Euroclass) | D-s2,d0 | | | EN 13501-1, CWFT acc. to 2003/593/EG |
| Formaldehyde emission class | E1 E05 CARB Phase 2 / TSCA Title VI | | | EN 717-1 |
| Mean density | 710 ⁴⁾ | | kg/m ³ | EN 323 |
| Bending strength | 23 ⁴⁾ | | N/mm ² | EN 310 |
| Modulus of elasticity (bending stiffness) | 2,200 ⁴⁾ | | N/mm ² | EN 310 |
| Internal bond | 0.48 ⁴⁾ | | N/mm ² | EN 319 |
| Durability – Water resistance | ≤ 15 | | % | ISO 13894-1 |
| Resistance to fixings (face) | ≥ 1,500 | | N | ISO 13894-1 |
| Resistance to fixings (edge) | ≥ 500 | | N | ISO 13894-1 |
| Bonding strength | ≥ 1 | | N/mm ² | ISO 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⁾ 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"> Decorative, sturdy elements for furniture and interior design where a uniform core material with very high edge quality – for profiling and lacquering – is required: e. g. in restaurants and shop fitting and for office and interior furniture. |
| Core material | <ul style="list-style-type: none"> StyleBoard MDF plus Medium-density fibreboard (MDF) according to EN 622-1, with uniform structure. |

Technical data

Duropal Element XTreme MDF plus

| | |
|--------------------------|---|
| 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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