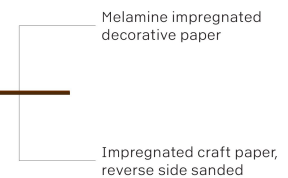


Technical data

Duropal HPL Metallic

Decorative high-pressure laminate in postforming quality based on EN 438-8:ATP, with special visual metallic effect thanks to mother-of-pearl pigments. The reverse side is sanded ready for gluing.



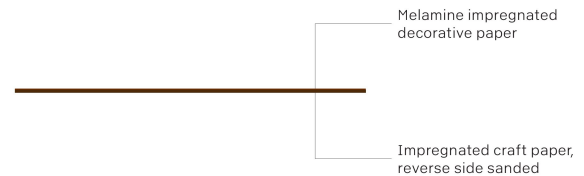
| Specification | | | | | | Unit | Standard |
|--|---|---------------------------|--|---|---|--|--------------------------------------|
| Nominal thickness | 0.5 | 0.6 | 0.8 | 1 | 1.2 | mm | |
| Tolerance on thickness | ± 0.1 | ± 0.1 | ± 0.1 | ± 0.1 | ± 0.15 | mm | EN 438-2:2016 |
| Tolerance on length | | | + 10 | | | mm | EN 438-2:2016 |
| Tolerance on width | | | + 10 | | | mm | EN 438-2:2016 |
| Surface defects | | | max. 1 ¹⁾ max. 10 ²⁾ | | | mm ² /m ² mm/m ² | EN 438-8:2009 |
| Edge defects | | | max. 20 | | | mm | EN 438-8:2009 |
| Straightness of edges | | | max. 1.5 | | | mm/m | EN 438-2:2016 |
| Squareness | | | max. 1.5 | | | mm/m | EN 438-2:2016 |
| Flatness | | | max. 60 | | | mm/m | EN 438-2:2016 |
| Density | | | min. 1,350 | | | kg/m ³ | EN ISO 1183-1 |
| Dimensional stability at elevated temperature (length) | | | max. 0.75 | | | % | EN 438-2:2016 |
| Dimensional stability at elevated temperature (width) | | | max. 1.25 | | | % | EN 438-2:2016 |
| Resistance to water vapour (smooth finishes) | | | min. 3 | | | rating | EN 438-2:2016 |
| Resistance to water vapour (textured finishes) | | | min. 3 | | | rating | EN 438-2:2016 |
| Resistance to immersion in boiling water (smooth finishes) | | | min. 3 | | | rating | EN 438-2:2016 |
| Resistance to immersion in boiling water (textured finishes) | | | min. 4 | | | rating | EN 438-2:2016 |
| Resistance to scratching (smooth finishes) | | | min. 2 | | | rating | EN 438-2:2016 |
| Resistance to scratching (textured finishes) | | | min. 2 | | | rating | EN 438-2:2016 |
| Resistance to impact (small diameter ball) | | | min. 15 | | | N | EN 438-2:2016 |
| Stain resistance (groups 1 & 2) | | | min. 5 | | | rating | EN 438-2:2016 |
| Stain resistance (group 3) | | | min. 4 | | | rating | EN 438-2:2016 |
| Resistance to colour change (xenon arc light) | | | min. 4 Grey Scale Grade ³⁾ | | | | EN 438-2:2016 |
| Reaction to fire | | | normally flammable | | | | |
| Reaction to fire (Euroclass) | | | Euroclass D-s2,d0 or worse in connection with normally and easily inflammable core boards. | | | | EN 13501-1, CWFT acc. to 2003/593/EG |
| Formaldehyde emission class | | | E1 | | | | EN 717-1 |
| Formability (length) | min. 10 x t ⁴⁾ | min. 10 x t ⁴⁾ | min. 10 x t ⁴⁾ | Not determined, processing tests are to be carried out. | Not determined, processing tests are to be carried out. | | EN 438-2:2016 |
| Formability (width) | Not determined, processing tests are to be carried out. | | | | | | EN 438-2:2016 |

¹⁾ Dirt, spots and similar surface defects

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²⁾ Fibres, hairs and scratches

³⁾ Extraneous darkening and/or photochromism of metallic decors are due to a shock effect of accelerated radiation stress and are not characteristics of natural radiation. Keeping the products in dark conditions allows recovery from these effects.

⁴⁾ t = nominal thickness

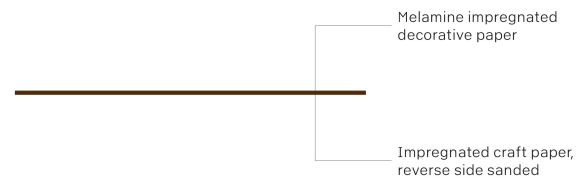
Additional information

| | |
|----------------------|--|
| Product standard | <ul style="list-style-type: none"> produced acc. to EN 438-8 |
| Areas of application | <ul style="list-style-type: none"> Surface material for high-quality kitchen and office furniture, for walls and doors, furniture and installations in retail and recreational facilities, in the restaurant sector, in administration buildings, day nurseries, schools, residential and care home facilities. Metallic decors without overlay are suitable only for vertical applications with special demands on design. Use for horizontal surfaces and or surfaces exposed to mechanical loads is not recommended. |
| Product safety | <ul style="list-style-type: none"> The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. The decorative surface and the core consists of paper layers that are impregnated with thermosetting resins. The resins harden completely during the manufacturing process by heat and high pressure. They form a stable, resistant and non-reactive material. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents. This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. |
| Special | <ul style="list-style-type: none"> Certificate Blue Angel - Ecolabel (RAL DE-UZ 76) FSC®-certification (license code: FSC-C011773) or PEFC-certification (license code: PEFC/04-32-0828) - available on request. To reach the full metallic effect there is no overlay used. Therefore this products should only be used for vertical applications. 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. Also in anti-bacterial quality – with Duropal microPLUS®. 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. 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. 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. 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. |

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