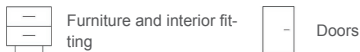


Technical data

Duropal SolidColor

Decorative high-pressure laminate in standard quality in accordance with EN 438-9:BTS, with decor-identical through-coloured core. The reverse is sanded ready for gluing.

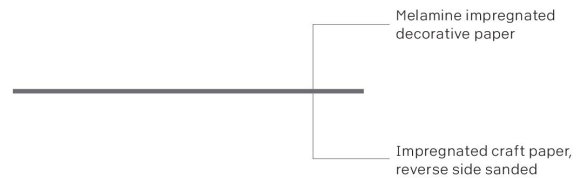
Applications



Properties



Certificates



Specification		Unit	Test standard
Nominal thickness	0.8	mm	
Tolerance on thickness	± 0.15	mm	EN 438-2
Tolerance on length	+ 10	mm	EN 438-2
Tolerance on width	+ 10	mm	EN 438-2
Surface defects	max. 1 ¹⁾ max. 10 ²⁾	mm ² /m ² mm/m ²	EN 438-2
Edge defects	max. 20	mm	EN 438-2
Straightness of edges	max. 1.5	mm/m	EN 438-2
Squareness	max. 1.5	mm/m	EN 438-2
Flatness (length)	max. 100	mm/m	EN 438-2
Density	min. 1,400	kg/m ³	EN ISO 1183-1
Dimensional stability at elevated temperature (length)	max. 0.8	%	EN 438-2
Dimensional stability at elevated temperature (width)	max. 1.4	%	EN 438-2
Resistance to dry heat, 160 °C (other finishes)	min. 4	rating	EN 438-2
Resistance to water vapour (other finishes)	min. 4	rating	EN 438-2
Resistance to surface wear	min. 150	cycles	EN 438-2
Resistance to scratching (other finishes)	min. 3	rating	EN 438-2
Stain resistance (groups 1 & 2)	min. 5	rating	EN 438-2
Stain resistance (group 3)	min. 4	rating	EN 438-2
Resistance to colour change (xenon arc light)	min. 4 Grey Scale Grade ³⁾ min. 3 Grey Scale Grade ⁴⁾		EN 438-2
Reaction to fire	normally flammable		

Technical data

Duropal SolidColor

Specification		Unit	Test standard
Nominal thickness	0.8	mm	
Reaction to fire (Euroclass)	Euroclass D-s2,d0 or worse in connection with normally and easily inflammable core boards.		EN 13501-1, CWFT conforming to 2003/593/EG
Formaldehyde emission class	E1 E05		EN 717-1
Formability (length)	The material is not suitable for post forming.		EN 438-2
Formability (width)	The material is not suitable for post forming.		

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ Texture

⁴⁾ Core layers

Additional information

Product standard	<ul style="list-style-type: none"> in accordance with EN 438-9
Areas of application	<ul style="list-style-type: none"> The colour-through core creates the freedom of a monochrome design without visible edges or joints. For high quality, aesthetically demanding furniture and design elements in the residential and interior design sector, such as for racking and shelving, furniture fronts, door sets and table tops, trade fair systems and sales displays. However, the material is not suitable for areas that are subject to major climatic fluctuations in terms of temperature and humidity or that are subject to permanent exposure to moisture.
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. The decorative surface and the core consists of paper layers, which 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.
Antimicrobial effect	<ul style="list-style-type: none"> Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Special	<ul style="list-style-type: none"> 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. 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. Please note that due to their material composition, through-dyed laminates are somewhat harder and more brittle than classic laminates with dark phenol resin core and are subject to marked warp in the event of climate fluctuations. Due to the through-dyed core of the material, slight colour variations to other products cannot be avoided.
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.

Technical data

Duropal SolidColor

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

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