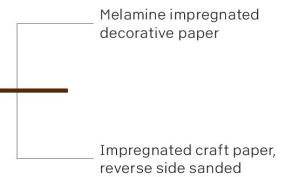


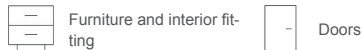
## Technical data

### Duropal Thin Laminate 0.35 (rolled goods)

Decorative thin laminate in postforming quality in accordance with EN 438-3:VGP, with robust melamine resin surface and sanded reverse. Duropal thin laminate 0.35 is delivered as rolled goods only.



#### Applications



#### Properties



#### Certificates



Specification		Unit	Test standard
<b>Nominal thickness</b>	<b>0.35</b>	<b>mm</b>	
Tolerance on thickness	± 0.05	mm	EN 438-2
Tolerance on length	+ 15	%	EN 438-2
Tolerance on width	+ 10	mm	EN 438-2
Core diameter	152	mm	
Roll diameter	approx. 400	mm	
Roll gradient (lateral)	± 10	mm	
Roll weight	approx. 220	kg	
Surface defects	max. 1 <sup>1)</sup> max. 10 <sup>2)</sup>	mm <sup>2</sup> /m <sup>2</sup> mm/m <sup>2</sup>	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. 60	mm/m	EN 438-2
Density	min. 1.350	kg/m <sup>3</sup>	EN ISO 1183-1
Dimensional stability at elevated temperature (length)	max. 0.75	%	EN 438-2
Dimensional stability at elevated temperature (width)	max. 1.25	%	EN 438-2
Resistance to wet heat, 100 °C (other finishes)	min. 4	rating	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 immersion in boiling water (other finishes)	min. 4	rating	EN 438-2
Resistance to surface wear	min. 50	cycles	EN 438-2

## Technical data

### Duropal Thin Laminate 0.35 (rolled goods)

Specification		Unit	Test standard
Nominal thickness	<b>0.35</b>	mm	
Resistance to scratching (textured finishes)	min. 2	rating	EN 438-2
Resistance to impact (small diameter ball)	min. 15	N	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)	4 to 5 Grey Scale Grade		EN 438-2
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 <sup>3)</sup>		EN 438-2
Formability (width)	Not determined, processing tests are to be carried out.		

<sup>1)</sup> Dirt, spots and similar surface defects

<sup>2)</sup> Fibres, hairs and scratches

<sup>3)</sup> t = nominal thickness

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>in accordance with EN 438-3</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Overlaying and / or sheathing of door elements and door frames, furniture fronts, window sills, mouldings as well as cornice and strip lighting profiles. Duropal Thin laminate 0.35 is recommended solely for vertical use.</li> </ul>
Product safety	<ul style="list-style-type: none"> <li>This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.</li> <li>The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011.</li> <li>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.</li> <li>We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.</li> </ul>

## Technical data

### Duropal Thin Laminate 0.35 (rolled goods)

Antimicrobial effect	<ul style="list-style-type: none"> <li>Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196</li> </ul>
Special	<ul style="list-style-type: none"> <li>With intensive plain decors, especially in the red range, colour pigment wash-out may occur under certain circumstances. It is possible that colour pigments are not bound by the resin during the impregnation of the decor paper and are only deposited on the surface of the impregnate and are thus directly on the surface. If cleaning is then carried out, slight discolouration of the cleaning cloths can be observed. This is particularly the case when solvent-based cleaners are used. This is not a product defect.</li> <li>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.</li> <li>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.</li> <li>Full-surface metallic decors and real metal decors are not available.</li> <li>Store in original packaging - wrapped in foil, lying in polystyrene trays.</li> <li>Room temperature 18-25 °C.</li> <li>Relative humidity 50-65%.</li> <li>Protect from moisture, humidity, direct sunlight and mechanical damage.</li> <li>Only one decor/structure combination permissible per roll</li> <li>Production-related defects (e.g. technical and optical faults, possibly pre- or post-production) are visibly marked on the edge of the roll head; defects remain in the roll and will not be invoiced; permissible number of defects per roll: 3</li> <li>Delivery in pairs - 2 or 4 rolls - on pallets</li> <li>Taking into account the criteria mentioned, storage of at least 12 months after production is possible without quality restrictions.</li> </ul>
Note	<ul style="list-style-type: none"> <li>FSC certification or PEFC certification available on request.</li> <li>FSC license code: FSC® C011773</li> <li>PEFC license code: PEFC/04-32-0828</li> </ul>
Colour and surface match	<ul style="list-style-type: none"> <li>Decor, structure and core board all influence the final appearance of the end product.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>

Further information on products, formats and decor/structure combinations is available at [www.pfleiderer.com](http://www.pfleiderer.com)

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