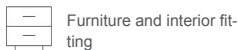


## Technical data

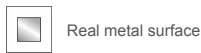
### Duropal HPL Real Metal

High pressure laminate with real metal surface in standard quality in accordance with EN 438-8:MTS. The reverse is sanded ready for gluing.

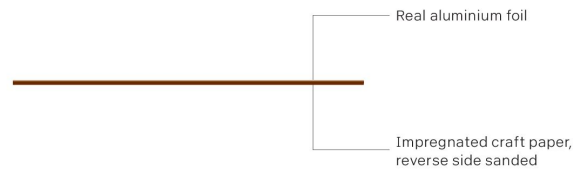
#### Applications



#### Properties



#### Certificates



Specification		Unit	Test standard
Nominal thickness	<b>0.8</b>	<b>mm</b>	
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 <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. 100	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 immersion in boiling water	passed		EN 438-2
Resistance to scratching	min. 1	rating	EN 438-2
Stain resistance (groups 1 & 2)	min. 4	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		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)	Not determined, processing tests are to be carried out.		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

## Technical data

### Duropal HPL Real Metal

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>in accordance with EN 438-8</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Surface material for vertical applications with authentic metal character in high-quality interior design and shop fitting, in trade fair construction, but also in the private residential sector. Real aluminium surfaces are not suitable for horizontal applications and/or surfaces exposed to mechanical loads.</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 decorative surface is a lacquered aluminium foil. The material core consists of paper layers which are impregnated with a duroplastic resin. 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>
Special	<ul style="list-style-type: none"> <li>The real metal surface is made of aluminium. Unlike classic, melamine-impregnated decor papers, real metal surfaces may provide certain visual effects on the surface. Differences in colour, a slight unevenness in the surface and small indentations may also occur. These are not quality defects, but proof of the real metal surface, distinguishing it from imitations.</li> <li>For side-by-side installations in interior fitting, real metallic surfaces from the same production batch are to be used. If there is some space between applications, different batches may also be used.</li> <li>Please note that metal surfaces are much less resistant to scratches, impacts and abrasion than melamine surfaces. They also have a reduced resistance to chemicals. Therefore, real metal surfaces are to be exclusively used in vertical applications. If used horizontally, we recommend that the surface be protected, for example, by a sheet of glass of inferior thickness.</li> <li>Please note: with format 2,800 x 2,070 mm the visible longitudinal joint of the real metal foil (2 strips) at approx. 1,380 mm and the usable length of min. 2,780 mm.</li> <li>Decors: M80000 Alu 1, Stainless Steel Effect / M80001 Alu 2, Nickel Effect</li> <li>Available in design M80000 Alu 1, Stainless Steel Effect and M80001 Alu 2, Nickel Effect.</li> <li>Real metal surfaces are generally delivered with a protective foil resistant to temperatures of up to 80°C. The protective foil must be removed six months after delivery at the latest.</li> <li>Cut to size is not available.</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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**Pfleiderer Deutschland GmbH**

Ingolstädter Str. 51  
92318 Neumarkt  
Germany

phone +49 (0) 91 81 28 48 0  
Fax +49 (0) 91 81 28 48 2  
info@pfleiderer.com  
www.pfleiderer.com