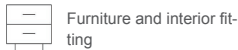


Technical data

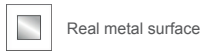
Duropal HPL Real Metal

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

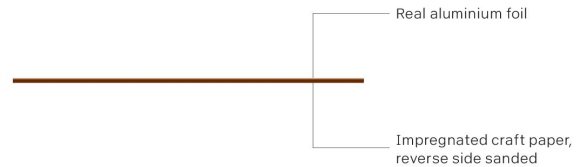
Applications



Properties



Certificates



Specification		Unit	Test standard
Nominal thickness	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. 1,350	kg/m ³	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 conforming to 2003/593/EG
Formaldehyde emission class	E1 E05		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.		

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

Technical data

Duropal HPL Real Metal

Additional information

Product standard	<ul style="list-style-type: none"> in accordance with EN 438-8
Areas of application	<ul style="list-style-type: none"> 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.
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 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. 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 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. 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. 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. 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. Cut to size is not available. Please refer to our sales documentation, to check which textures are available for this product. 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.
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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