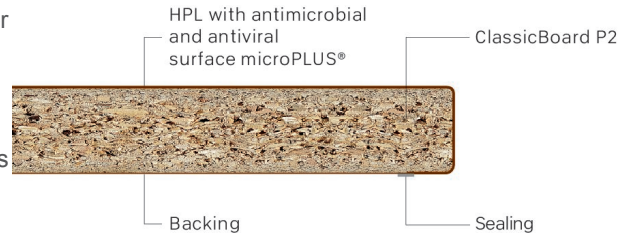


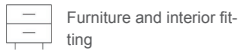
## Technical data

### Duropal Worktop Quadra microPLUS® P2

Worktop consisting of a particleboard type P2 to EN 312, decor side bonded with robust Duropal HPL microPLUS® with an antimicrobial and antiviral surface finish (Sanitized® Silver) according to EN 438, underside with water-repellent backing. The postforming front edge of the Quadra worktop has a radius of 3 mm, the rear edge is sealed with a protective edge. It is also available as a variant with both sides profiled.



#### Applications



Furniture and interior fitting

#### Properties



Variety of decors and / or textures



Easy care



Antimicrobial



Food harmless

#### Certificates



Specification							Unit	Test standard	
Nominal thickness	28	28	28	38	38	38	mm		
Width	600	900	1,200	600	900	1,200	mm		
Tolerance on thickness							± 0.4	mm	ISO 13894-1
Tolerance on length							± 5	mm	ISO 13894-1
Surface defects – HPL							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
Straightness of edges							± 0.5	mm/m	ISO 13894-1
Squareness							≤ 2	mm/m	ISO 13894-1
Flatness (length)							≤ 2	mm/m	ISO 13894-1
Flatness (width)	≤ 0.9	≤ 1.6	≤ 2	≤ 0.9	≤ 1.6	≤ 2	mm mm/m	ISO 13894-1	
Resistance to wet heat, 100 °C (other finishes) – HPL							min. 4	rating	EN 438-2
Resistance to dry heat, 160 °C (other finishes) – HPL							min. 4	rating	EN 438-2
Resistance to water vapour (other finishes) – HPL							min. 4	rating	EN 438-2
Resistance to surface wear – HPL							min. 150	cycles	EN 438-2
Resistance to scratching (smooth finishes) – HPL							min. 2	rating	EN 438-2
Resistance to scratching (textured finishes) – HPL							min. 3	rating	EN 438-2
Resistance to impact (small diameter ball)							≥ 15	N	ISO 13894-1
Stain resistance (groups 1 & 2) – HPL							min. 5	rating	EN 438-2

## Technical data

### Duropal Worktop Quadra microPLUS® P2

Specification							Unit	Test standard
Nominal thickness	28	28	28	38	38	38	mm	
Width	600	900	1,200	600	900	1,200	mm	
Stain resistance (group 3) – HPL	min. 4						rating	EN 438-2
Resistance to colour change (xenon arc light) – HPL	4 to 5 Grey Scale Grade							EN 438-2
Reaction to fire (Euroclass)	not classified							
Formaldehyde emission class	E1 E05 CARB Phase 2 / TSCA Title VI							EN 717-1
Mean density	600 - 580 <sup>3)</sup>	600 - 580 <sup>3)</sup>	600 - 580 <sup>3)</sup>	580 - 540 <sup>3)</sup>	580 - 540 <sup>3)</sup>	580 - 540 <sup>3)</sup>	kg/m <sup>3</sup>	EN 323
Raw core materials	9.5 <sup>3)</sup>	9.5 <sup>3)</sup>	9.5 <sup>3)</sup>	8.5 <sup>3)</sup>	8.5 <sup>3)</sup>	8.5 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Modulus of elasticity (bending stiffness)	1,350 <sup>3)</sup>	1,350 <sup>3)</sup>	1,350 <sup>3)</sup>	1,200 <sup>3)</sup>	1,200 <sup>3)</sup>	1,200 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond	0.25 <sup>3)</sup>	0.25 <sup>3)</sup>	0.25 <sup>3)</sup>	0.2 <sup>3)</sup>	0.2 <sup>3)</sup>	0.2 <sup>3)</sup>	N/mm <sup>2</sup>	EN 319
Surface soundness	0.8 <sup>3)</sup>						N/mm <sup>2</sup>	EN 311
Durability – Water resistance	≤ 15						%	ISO 13894-1
Resistance to fixings (face)	≥ 1,500						N	ISO 13894-1
Resistance to fixings (edge)	≥ 500						N	ISO 13894-1
Bonding strength	≥ 0.6						N/mm <sup>2</sup>	ISO 13894-1
Flexural tensile strength	≥ 0.6						N/mm <sup>2</sup>	ISO 13894-1
Durability – Glue-line quality	≥ 3						rating	ISO 13894-1
Durability – Resistance to elevated temperature	no effect							ISO 13894-1

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

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

<sup>3)</sup> Core material

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>EN 13894-1</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Duropal worktops can be used wherever very high demands are made on surface resistance and durability. Thanks to their hygienic advantages, the classic areas of application are in modern kitchens and bathrooms, canteens and restaurants, as well as doctors' surgeries, in laboratories and shop fitting, but also for industrial and commercial workplaces.</li> </ul>
Core material	<ul style="list-style-type: none"> <li>ClassicBoard P2 CARB2</li> <li>Low emission particleboard core, type P2 in accordance with EN 312, suitable for non load-bearing purposes in dry areas.</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> </ul>
Antimicrobial effect	<ul style="list-style-type: none"> <li>Surface with antimicrobial effect in 7 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196</li> </ul>

## Technical data

### Duropal Worktop Quadra microPLUS® P2

Antiviral effect	<ul style="list-style-type: none"> <li>Surface with antiviral effect against enveloped viruses in 24 h for interior fit-out and finishes - Test Methodology ISO 21702:2019</li> </ul>
Special	<ul style="list-style-type: none"> <li>Sanitized® Silver is based on the natural effect of silver, embedded in a patented glass-ceramic. This additive is free of nanoparticles and is incorporated as a dispersion into the resin of our decor / overlay papers.</li> <li>Sanitized® Silver remains in the product and does not wash out. The effect is ensured over the whole life cycle of the product.</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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