

## Technical data

### Duropal Compact Worktop, grey core

Compact high-pressure laminate with single or double-sided machined longitudinal edge in standard quality conforming to EN 438-9:BCS for use as a worktop. With uniform grey-coloured core, single-sided decorative melamine resin surface and backing.

#### Applications

 Furniture and interior fitting

#### Properties

 Easy care

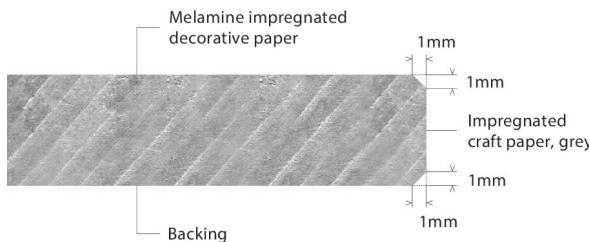
 Antimicrobial

 Food harmless

 High impact resistance

 Particularly low emission

#### Certificates



| Specification  |  | Unit   | Test standard |
|--|--|--|---------------|
| Nominal thickness                                      | 12   | mm   |               |
| Width  | 640  | mm   |               |
| Design front edge                                      | chamfered  |  |               |
| Design rear edge                                       | milled   | chamfered  |               |
| Tolerance on thickness                                 | ± 0.8  | mm   | EN 438-2      |
| Tolerance on length                                    | + 10   | mm   | EN 438-2      |
| Tolerance on width                                     | ±0.5 mm at 500 mm, with an additional 0.05 mm for every extra 100 mm   |  | EN 13894-1    |
| Tolerance Bevelled edge (Longitudinal edge)            | ± 0.2  | mm   |               |
| Surface defects (Product top side / usable Surface)    | max. 1 <sup>1)</sup><br>max. 10 <sup>2)</sup>  | mm <sup>2</sup> /m <sup>2</sup><br>mm/m <sup>2</sup> | EN 438-2      |
| Surface defects (Texture CM, GR)                       | Please note that both handling and also general use of the material can lead to a polishing effect in the surface structure, something which is most apparent. |  |               |
| Edge defects (Head edge)                               | max. 3   | mm   | EN 438-2      |
| Straightness of edges                                  | ± 0.5  | mm/m   | EN 13894-1    |
| Squareness   | ≤ 2  | mm/m   | EN 13894-1    |
| Flatness   | max. 5   | mm/m   | EN 438-2      |
| Density  | min. 1,400   | kg/m <sup>3</sup>                                    | EN ISO 1183-1 |
| Bending strength                                       | min. 80  | MPa  | EN ISO 178    |
| Flexural modulus                                       | min. 9,000   | MPa  | EN ISO 178    |
| Resistance to crazing                                  | min. 3 <sup>3)</sup><br>min. 4 <sup>4)</sup>   | rating   | EN 438-2      |
| Dimensional stability at elevated temperature (length) | max. 0.5   | %  | EN 438-2      |
| Dimensional stability at elevated temperature (width)  | max. 0.8   | %  | EN 438-2      |

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### Duropal Compact Worktop, grey core

| Specification   |  |     | Unit   | Test standard                              |
|---|--|-----|--------|--|
| Nominal thickness   | 12   | 12  | mm     |  |
| Width   | 640  | 950 | mm     |  |
| Resistance to dry heat, 160 °C (other finishes)           | min. 4   |     | rating | EN 438-2                                   |
| Resistance to water vapour (other finishes)               | max. 4   |     | rating | EN 438-2                                   |
| Resistance to immersion in boiling water (other finishes) | min. 4   |     | rating | EN 438-2                                   |
| Resistance to immersion in boiling water (edge)           | min. 3   |     | rating | EN 438-2                                   |
| Resistance to immersion in boiling water                  | max. 3 <sup>5)</sup><br>max. 4 <sup>6)</sup>                                   |     | %      | 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 <sup>4)</sup><br>min. 3 Grey Scale Grade <sup>3)</sup> |     |        | EN 438-2                                   |
| Reaction to fire  | normally flammable   |     |        |  |
| Reaction to fire (Euroclass)                              | D-s2,d0  |     |        | EN 13501-1, CWFT conforming to 2003/593/EG |
| Formaldehyde emission class                               | E1 E05   |     |        | EN 717-1                                   |

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

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

<sup>3)</sup> Edge/Core

<sup>4)</sup> Texture

<sup>5)</sup> Mass increase

<sup>6)</sup> Thickness increase

#### Additional information

|                        |  |
|------------------------|--|
| Product standard       | <ul style="list-style-type: none"> <li>EN 438-9</li> </ul>   |
| Areas of application   | <ul style="list-style-type: none"> <li>In all private and public interior application areas in which robustness, long durability, and high hygienic demands are placed on the Duropal Compact Worktop, such as in hotels and restaurants, shops, schools and sports facilities.</li> </ul>   |
| Core material          | <ul style="list-style-type: none"> <li>Compact laminate grey</li> <li>Uniform grey through-pigmented solid compact laminate core, impact resistant for applications with high specification demands.</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 organohalogens, heavy metals, preservatives, wood protectors or organic solvents.</li> </ul> |
| Packaging construction | <ul style="list-style-type: none"> <li>Duropal Compact Worktops are delivered exclusively in individual cardboard packaging.</li> <li>The top / usable surface of the product is labelled in the factory.</li> <li>Packaged on pallets (colli).</li> </ul>   |

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|                          |   |
|--------------------------|---|
| 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>The smoother the structure and the the darker the decor, the more sensitive it is to stains.</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>Core colour: similar U12188</li> <li>Due to the grey core of the material, minor decorative deviations to other products cannot be avoided.</li> <li>For production-related reasons, there may be minor colour variations in the grey material core.</li> <li>Due to the material core, Duropal Compact Worktops with a grey core are slightly harder and more brittle than Compact Worktops with a black material core. These will tend to warp more severely in case of climatic fluctuations.</li> <li>The uneven edge appearance is due to the structure depth of the texture Solid Granite caused by the product and does not represent a quality defect.</li> <li>Decor-structure-combination front side = Decor-structure-combination reverse side</li> <li>Duropal Compact Worktop, grey core is not supplied with protective foil.</li> <li>Due to the processing (chamfer, grind and saw) slight colour variations of the coloured material core may occur.</li> <li>Subsequent oiling (with suitable cooking oil) of the machined edge can reduce machining and wear marks.</li> <li>Please note that in everyday use, polishing, scratches and shiny spots may occur due to mechanical stress, which are particularly visible on darker decors. This does not represent a quality defect or a restriction of usability. Rather, it reflects the natural ageing of the surface. The product complies with all requirements of EN 438.</li> </ul> |
| Note                     | <ul style="list-style-type: none"> <li>With PEFC-certification.</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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