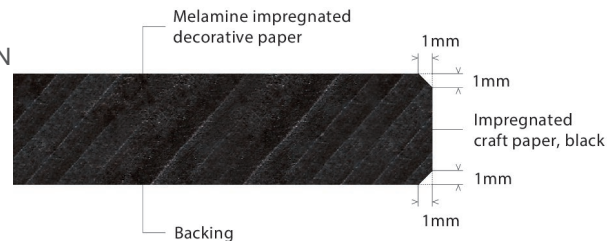


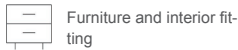
Technical data

Duropal Compact Worktop, black core

Compact high-pressure laminate with single or double-sided machined longitudinal edge in standard quality according to EN 438-4:CGS for use as a worktop. With uniform black-coloured core, single-sided decorative melamine resin surface and backing.



Applications



Furniture and interior fitting

Properties



Easy care



Antimicrobial



Food harmless



Low swelling / moisture resistant



High impact resistance



Particularly low emission

Certificates



Specification			Unit	Test standard
Nominal thickness	12	12	mm	
Length	4,100	4,100	mm	
Width	640	950	mm	
Design front edge	chamfered			
Design rear edge	milled	chamfered		
Tolerance on thickness	± 0.6		mm	EN 438-2
Tolerance on length	+ 10		mm	EN 438-2
Tolerance on width	± 0.6	± 0.8	mm	EN 13894-1
tolerance on edge processing	± 0.2		mm	
Surface defects (Product top side / usable Surface)	max. 1 ¹⁾ max. 10 ²⁾		mm ² /m ² mm ² /m ²	EN 438-4
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 438-4
Straightness of edges	± 0.5		mm/m	EN 13894-1
Squareness	max. 2		mm/m	EN 13894-1
Flatness	max. 3		mm/m	EN 438-2
Density	min. 1,350		kg/m ³	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. 4		rating	EN 438-2
Dimensional stability at elevated temperature (length)	max. 0.3		%	EN 438-2
Dimensional stability at elevated temperature (width)	max. 0.6		%	EN 438-2
Resistance to wet heat, 100 °C (other finishes)	min. 4		rating	EN 438-2

Technical data

Duropal Compact Worktop, black core

Specification			Unit	Test standard
Nominal thickness	12	12	mm	
Length	4,100	4,100	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)	min. 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	min. 2 ^{3) 4)}		%	EN 438-2
Resistance to surface wear	min. 150		cycles	EN 438-2
Resistance to scratching (smooth finishes)	min. 2		rating	EN 438-2
Resistance to scratching (textured finishes)	min. 3		rating	EN 438-2
Resistance to impact by large diameter ball – impression diameter	max. 10		mm	EN 438-2
Resistance to impact by large diameter ball – Fall height	min. 1,800		mm	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)	D-s2,d0			EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1 E05			EN 717-1

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ Mass increase

⁴⁾ Thickness increase

Additional information

Product standard	<ul style="list-style-type: none"> EN 438-4
Areas of application	<ul style="list-style-type: none"> 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, sanitary areas, schools, sports facilities and swimming pools.
Core material	<ul style="list-style-type: none"> Compact laminate black core Uniform black through-pigmented solid compact laminate core, impact resistant and moisture resistant for applications with high specification demands.
Product safety	<ul style="list-style-type: none"> 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. The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.

Technical data

Duropal Compact Worktop, black core

Packaging construction	<ul style="list-style-type: none"> • Duropal Compact Worktops are delivered exclusively in individual cardboard packaging. • The top / usable surface of the product is labelled in the factory. • Packaged on pallets (colli). • Duropal Compact Worktop, black core is not supplied with protective foil.
Antimicrobial effect	<ul style="list-style-type: none"> • Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Special	<ul style="list-style-type: none"> • 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. • 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. • The smoother the structure and the the darker the decor, the more sensitive it is to stains. • Due to the black core of the material, minor decorative deviations to other products cannot be avoided. • For production-related reasons, there may be minor colour variations in the black material core. • Decor-structure-combination front side = Decor-structure-combination reverse side • Due to the processing (chamfer, grind and saw) slight colour variations of the coloured material core may occur. • Subsequent oiling (with suitable cooking oil) of the machined edge can reduce machining and wear marks. • 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. • 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. • You can find comprehensive accessories for our worktop range at www.pfleiderer.com.
Note	<ul style="list-style-type: none"> • With PEFC-certification. • 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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