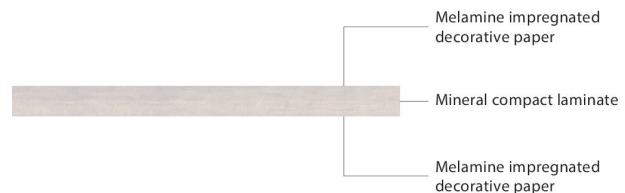


Technical data

Duropal flameprotect compact

Non-combustible fire protection panel of primarily mineral constituents with uniform white-coloured core and decorative melamine resin surface on both sides.



Applications



Furniture and interior fitting



Fire protection

Properties



Variety of decors and / or textures



Easy care



Antimicrobial



Food harmless



Non-combustible



High impact resistance

Certificates



Specification									Unit	Test standard
Nominal thickness	4	6	7	8	10	12	13	15	mm	
Tolerance on thickness									mm	EN 438-2
Tolerance on length									mm	EN 438-2
Tolerance on width									mm	EN 438-2
Surface defects									mm ² /m ² mm/m ²	EN 438-2
Edge defects									mm	EN 438-2
Straightness of edges									mm/m	EN 438-2
Squareness									mm/m	EN 438-2
Flatness	max. 8	max. 5	max. 5	max. 5	max. 3	max. 3	max. 3	max. 3	mm/m	EN 438-2
Density									kg/m ³	EN ISO 1183-1
Density tolerance									kg/m ³	EN ISO 1183-1
Bending strength									MPa	EN ISO 178
Flexural modulus									MPa	EN ISO 178
Dimensional stability at elevated temperature (length)									%	EN 438-2
Dimensional stability at elevated temperature (width)									%	EN 438-2
Resistance to water vapour (gloss finishes)									rating	EN 438-2
Resistance to water vapour (other finishes)									rating	EN 438-2
Resistance to immersion in boiling water (gloss finishes)									rating	EN 438-2
Resistance to immersion in boiling water (other finishes)									rating	EN 438-2
Resistance to immersion in boiling water (edge)									rating	EN 438-2
Resistance to immersion in boiling water									%	EN 438-2
Resistance to scratching (smooth finishes)									rating	EN 438-2

Technical data

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Specification	4	6	7	8	10	12	13	15	Unit	Test standard
Nominal thickness									mm	
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. 1,000					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				non-combustible						
Reaction to fire (Euroclass)				A2-s1,d0						EN 13501-1
Formaldehyde emission class				E1 E05						EN 717-1

- 1) Dirt, spots and similar surface defects
 2) Fibres, hairs and scratches
 3) Thickness increase
 4) Mass increase

Technical data

Duropal flameprotect compact

Additional information

Areas of application	<ul style="list-style-type: none"> For universal use in preventive fire protection to reduce the spread of flame. Particularly useful where non-flammable materials are required and high demands are made on the design and ease of care. The area of application covers decorative interior fitting as furniture, installations and wall coverings in corridors and stairways (escape routes) in standard buildings, but also for higher demands in special buildings such as high-rise apartment blocks, large office buildings, hospitals, care facilities, schools, day nurseries, hotels, sales rooms and public areas, etc. Use in wet areas and outdoors, as well as mechanical surface stress, is not recommended.
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 surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. The decorative surface consists of paper layers and a mineral material core, 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.
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"> The coarser the structure and the lighter the decor, the greater the scratch resistance. The smoother the structure and the the darker the decor, the more sensitive it is to stains. 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. With intensive plain decors, especially in the red range, colour pigment wash-out may occur under certain circumstances. It is possible that colour pigments are not bound by the resin during the impregnation of the decor paper and are only deposited on the surface of the impregnate and are thus directly on the surface. If cleaning is then carried out, slight discolouration of the cleaning cloths can be observed. This is particularly the case when solvent-based cleaners are used. This is not a product defect. Due to the white 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 white material core. Please comply with information for the Duropal flameprotect compact collection at www.pfleiderer.com. Wood, stone, creative and metallic decors are exclusively suitable for vertical applications or those which do not demand high stress on the surface. Duropal flameprotect compact is manufactured without overlay as standard, this also applies to all print decors. Real metal and Individual Motiv are not permitted.
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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