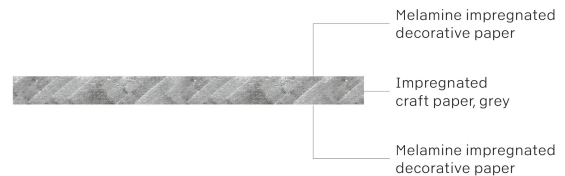


Technical data

Duropal HPL Compact, grey core

Compact high-pressure laminate in standard quality according to EN 438-9:BCS. With uniform grey-coloured core and decorative melamine resin surface on both sides.

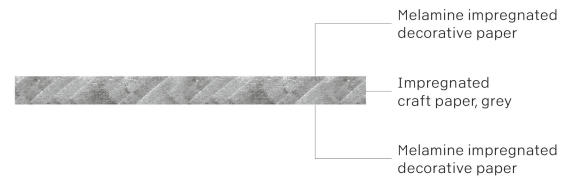


Specification						Unit	Standard
Nominal thickness	4	5	6	7	8	mm	
Tolerance on thickness	± 0.4	± 0.5	± 0.5	± 0.5	± 0.7	mm	EN 438-2:2016
Tolerance on length			+ 10			mm	EN 438-2:2016
Tolerance on width			+ 10			mm	EN 438-2:2016
Surface defects			max. 1 ¹⁾ max. 10 ²⁾			mm ² /m ² mm ² /m ²	EN 438-9:2017
Edge defects			max. 3			mm	EN 438-9:2017
Straightness of edges			max. 1.5			mm/m	EN 438-2:2016
Squareness			max. 1.5			mm/m	EN 438-2:2016
Flatness	max. 12	max. 12	max. 8	max. 8	max. 8	mm/m	EN 438-2:2016
Density			min. 1,400			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. 3 ³⁾ min. 4 ⁴⁾			rating	EN 438-2:2016
Dimensional stability at elevated temperature (length)	max. 0.6	max. 0.5	max. 0.5	max. 0.5	max. 0.5	%	EN 438-2:2016
Dimensional stability at elevated temperature (width)	max. 1	max. 0.8	max. 0.8	max. 0.8	max. 0.8	%	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to dry heat, 160 °C (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to water vapour (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to water vapour (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (edge)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water	max. 5 ⁵⁾ max. 6 ⁶⁾	max. 3 ⁵⁾ max. 4 ⁶⁾	max. 3 ⁵⁾ max. 4 ⁶⁾	max. 3 ⁵⁾ max. 4 ⁶⁾	max. 3 ⁵⁾ max. 4 ⁶⁾	%	EN 438-2:2016
Resistance to surface wear			min. 150			cycles	EN 438-2:2016
Resistance to scratching (smooth finishes)			min. 2			rating	EN 438-2:2016
Resistance to scratching (textured finishes)			min. 3			rating	EN 438-2:2016
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2:2016
Stain resistance (group 3)			min. 4			rating	EN 438-2:2016
Resistance to colour change (xenon arc light)			min. 3 Grey Scale Grade ³⁾ min. 4 Grey Scale Grade ⁴⁾				EN 438-2:2016

Technical data

Duropal HPL Compact, grey core

Compact high-pressure laminate in standard quality according to EN 438-9:BCS. With uniform grey-coloured core and decorative melamine resin surface on both sides.



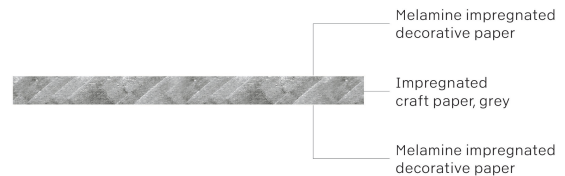
Specification						Unit	Standard
Nominal thickness	4	5	6	7	8	mm	
Reaction to fire	normally flammable						
Reaction to fire (Euroclass)	not classified	not classified	D-s2,d0	D-s2,d0	D-s2,d0		EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1						EN 717-1

- 1) Dirt, spots and similar surface defects
- 2) Fibres, hairs and scratches
- 3) Edge/Core
- 4) Texture
- 5) Mass increase
- 6) Thickness increase

Technical data

Duropal HPL Compact, grey core

Compact high-pressure laminate in standard quality according to EN 438-9:BCS. With uniform grey-coloured core and decorative melamine resin surface on both sides.

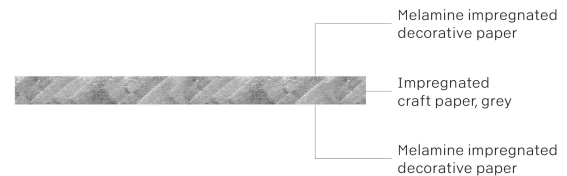


Specification						Unit	Standard
Nominal thickness	9	10	11	12	13	mm	
Tolerance on thickness	± 0.7	± 0.7	± 0.7	± 0.8	± 0.8	mm	EN 438-2:2016
Tolerance on length			+ 10			mm	EN 438-2:2016
Tolerance on width			+ 10			mm	EN 438-2:2016
Surface defects			max. 1 ¹⁾ max. 10 ²⁾			mm ² /m ² mm ² /m ²	EN 438-9:2017
Edge defects			max. 3			mm	EN 438-9:2017
Straightness of edges			max. 1.5			mm/m	EN 438-2:2016
Squareness			max. 1.5			mm/m	EN 438-2:2016
Flatness	max. 8	max. 5	max. 5	max. 5	max. 5	mm/m	EN 438-2:2016
Density			min. 1,400			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. 3 ³⁾ min. 4 ⁴⁾			rating	EN 438-2:2016
Dimensional stability at elevated temperature (length)			max. 0.5			%	EN 438-2:2016
Dimensional stability at elevated temperature (width)			max. 0.8			%	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to dry heat, 160 °C (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to water vapour (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to water vapour (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (edge)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water			max. 3 ⁵⁾ max. 4 ⁶⁾			%	EN 438-2:2016
Resistance to surface wear			min. 150			cycles	EN 438-2:2016
Resistance to scratching (smooth finishes)			min. 2			rating	EN 438-2:2016
Resistance to scratching (textured finishes)			min. 3			rating	EN 438-2:2016
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2:2016
Stain resistance (group 3)			min. 4			rating	EN 438-2:2016
Resistance to colour change (xenon arc light)			min. 3 Grey Scale Grade ³⁾ min. 4 Grey Scale Grade ⁴⁾				EN 438-2:2016

Technical data

Duropal HPL Compact, grey core

Compact high-pressure laminate in standard quality according to EN 438-9:BCS. With uniform grey-coloured core and decorative melamine resin surface on both sides.



Specification						Unit	Standard
Nominal thickness	9	10	11	12	13	mm	
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						EN 717-1

- 1) Dirt, spots and similar surface defects
- 2) Fibres, hairs and scratches
- 3) Edge/Core
- 4) Texture
- 5) Mass increase
- 6) Thickness increase

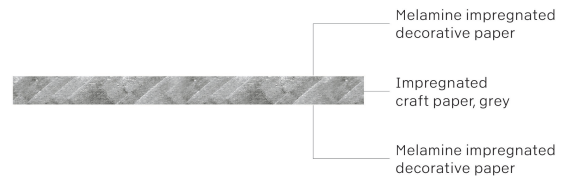
Additional information

Product standard	<ul style="list-style-type: none"> EN 438-9
Areas of application	<ul style="list-style-type: none"> For unusual furniture and interior concepts in the home and contract sectors, in leisure and spa facilities, in shop design, in catering, as well as in humid and wet conditions in which particular robustness, durability and high hygienic standards including aesthetics are required of the material. The material is suitable for open edge solutions as well as for engraving for individual 3D effects.
Core material	<ul style="list-style-type: none"> Compact laminate grey Homogeneous grey 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 surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. The decorative surface and the core consists of paper layers that 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. This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.

Technical data

Duropal HPL Compact, grey core

Compact high-pressure laminate in standard quality according to EN 438-9:BCS. With uniform grey-coloured core and decorative melamine resin surface on both sides.



Special

- Certificate Blue Angel - Ecolabel (RAL DE-UZ 76)
- PEFC-certification (license code: PEFC/04-32-0828) - available on request.
- Also in anti-bacterial quality – with Duropal microPLUS®.
- Due to the grey core of the material, minor decorative deviations to other products cannot be avoided.
- Please note that due to their material composition, through-dyed laminates are somewhat harder and more brittle than classic laminates with dark phenol resin core and are subject to marked warp in the event of climate fluctuations.
- The material must not be exposed to heat influences by light- or heat radiation which will increase the surface temperature to more than 50°C.
- For production-related reasons, there may be minor colour variations in the grey material core.
- 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.

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