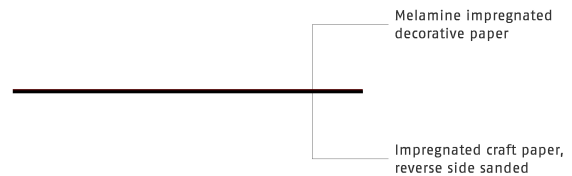


Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.

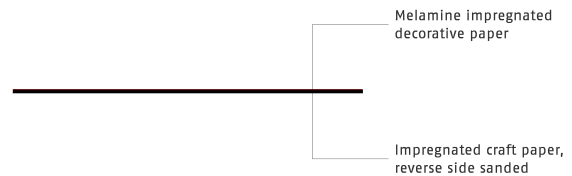


Specification							Unit	Standard
Nominal thickness	0.5	0.5	0.6	0.6	0.8	0.8	mm	
Length	4,100	5,300	2,800	5,600	3,050	4,100	mm	
Width	1,300	1,300	2,070	2,070	1,300	1,300	mm	
Thickness tolerance							mm	EN 438-2
Length tolerance							mm	EN 438-2
Width tolerance							mm	EN 438-2
Straightness of edges							mm/m	EN 438-2
Squareness							mm/m	EN 438-2
Flatness (length)							mm/m	EN 438-2
Edge defects							mm	EN 438-3
Surface defects							mm ² /m ²	EN 438-2
							mm/m ²	
Density							kg/m ³	ISO 1183
Resistance to impact (small diameter ball)							N	EN 438-2
Dimensional stability at elevated temperature (length)							%	EN 438-2
Dimensional stability at elevated temperature (width)							%	EN 438-2
Resistance to dry heat / 180 °C (smooth finishes)							rating	EN 438-2
Resistance to dry heat / 180 °C (textured finishes)							rating	EN 438-2
Resistance to wet heat / 100 °C (smooth finishes)							rating	EN 12721
Resistance to wet heat / 100 °C (textured finishes)							rating	EN 12721
Resistance to immersion in boiling water (smooth finishes)							rating	EN 438-2
Resistance to immersion in boiling water (textured finishes)							rating	EN 438-2
Initial wear point (IP)							U	EN 438-2
Wear resistance (WR)							U	EN 438-2
Resistance to surface wear							class	EN 438-2
Resistance to scratching (smooth finishes)							rating	EN 438-2
Resistance to scratching (textured finishes)							rating	EN 438-2
Stain resistance (groups 1 & 2)							rating	EN 438-2
Stain resistance (group 3)							rating	EN 438-2

Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.



Specification							Unit	Standard
Nominal thickness	0.5	0.5	0.6	0.6	0.8	0.8	mm	
Length	4,100	5,300	2,800	5,600	3,050	4,100	mm	
Width	1,300	1,300	2,070	2,070	1,300	1,300	mm	
Resistance to cigarette burns	min. 3						rating	EN 438-2
Resistance to water vapour (smooth finishes)	min. 3						rating	EN 438-2
Resistance to water vapour (textured finishes)	min. 4						rating	EN 438-2
Light fastness (xenon arc light)	min. 4						grey scale rating	EN 438-2
Calorific value	env. 19						MJ/kg	ISO 1716
Reaction to fire	normally inflammable							DIN 4102-1
Reaction to fire (Euroclass)	D-s2,d0 or worse in connection with normal and easily inflammable core boards							EN 13501-1, CWFT
Formaldehyde emission class	E1							EN 717-1
Formability (length)	min. 10 x t ⁵⁾							EN 438-2
Formability (width)	_6)							EN 438-2

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ VGP

⁴⁾ HGP

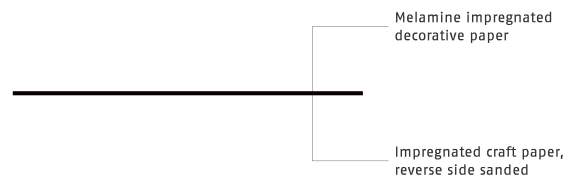
⁵⁾ t = nominal thickness

⁶⁾ Not determined, processing tests are to be carried out.

Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.

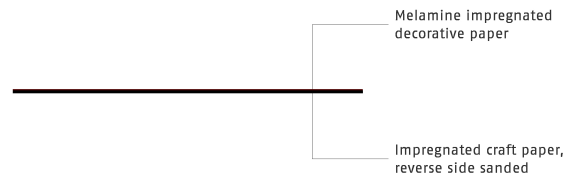


Specification							Unit	Standard
Nominal thickness	0.8	0.8	0.8	1	1	1	mm	
Length	5,300	2,800	5,600	4,100	5,300	2,800	mm	
Width	1,300	2,070	2,070	1,300	1,300	2,070	mm	
Thickness tolerance							mm	EN 438-2
Length tolerance							mm	EN 438-2
Width tolerance							mm	EN 438-2
Straightness of edges							mm/m	EN 438-2
Squareness							mm/m	EN 438-2
Flatness (length)							mm/m	EN 438-2
Edge defects							mm	EN 438-3
Surface defects							mm ² /m ²	EN 438-2
							mm/m ²	
Density							kg/m ³	ISO 1183
Resistance to impact (small diameter ball)							N	EN 438-2
Dimensional stability at elevated temperature (length)							%	EN 438-2
Dimensional stability at elevated temperature (width)							%	EN 438-2
Resistance to dry heat / 180 °C (smooth finishes)							rating	EN 438-2
Resistance to dry heat / 180 °C (textured finishes)							rating	EN 438-2
Resistance to wet heat / 100 °C (smooth finishes)							rating	EN 12721
Resistance to wet heat / 100 °C (textured finishes)							rating	EN 12721
Resistance to immersion in boiling water (smooth finishes)							rating	EN 438-2
Resistance to immersion in boiling water (textured finishes)							rating	EN 438-2
Initial wear point (IP)							U	EN 438-2
Wear resistance (WR)							U	EN 438-2
Resistance to surface wear							class	EN 438-2
Resistance to scratching (smooth finishes)							rating	EN 438-2
Resistance to scratching (textured finishes)							rating	EN 438-2
Stain resistance (groups 1 & 2)							rating	EN 438-2
Stain resistance (group 3)							rating	EN 438-2

Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.



Specification							Unit	Standard
Nominal thickness	0.8	0.8	0.8	1	1	1	mm	
Length	5,300	2,800	5,600	4,100	5,300	2,800	mm	
Width	1,300	2,070	2,070	1,300	1,300	2,070	mm	
Resistance to cigarette burns	min. 3						rating	EN 438-2
Resistance to water vapour (smooth finishes)	min. 3						rating	EN 438-2
Resistance to water vapour (textured finishes)	min. 4						rating	EN 438-2
Light fastness (xenon arc light)	min. 4						grey scale rating	EN 438-2
Calorific value	env. 19						MJ/kg	ISO 1716
Reaction to fire	normally inflammable							DIN 4102-1
Reaction to fire (Euroclass)	D-s2,d0 or worse in connection with normal and easily inflammable core boards							EN 13501-1, CWFT
Formaldehyde emission class	E1							EN 717-1
Formability (length)	min. 10 x t ⁵⁾	min. 10 x t ⁵⁾	min. 10 x t ⁵⁾	_6)	_6)	_6)		EN 438-2
Formability (width)	_6)							EN 438-2

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ VGP

⁴⁾ HGP

⁵⁾ t = nominal thickness

⁶⁾ Not determined, processing tests are to be carried out.

Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.

Melamine impregnated decorative paper

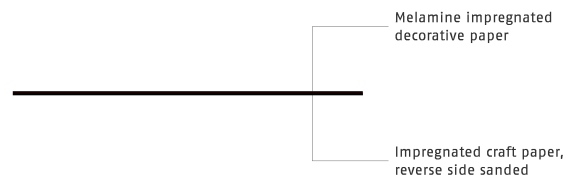
Impregnated craft paper, reverse side sanded

Specification						Unit	Standard
Nominal thickness	1	1.2	1.2	1.2	1.2	mm	
Length	5,600	4,100	5,300	2,800	5,600	mm	
Width	2,070	1,300	1,300	2,070	2,070	mm	
Thickness tolerance	± 0.1	± 0.15	± 0.15	± 0.15	± 0.15	mm	EN 438-2
Length tolerance			+ 10			mm	EN 438-2
Width tolerance			+ 10			mm	EN 438-2
Straightness of edges			≤ 1.5			mm/m	EN 438-2
Squareness			≤ 1.5			mm/m	EN 438-2
Flatness (length)			≤ 60			mm/m	EN 438-2
Edge defects			≤ 20			mm	EN 438-3
Surface defects			≤ 1 ¹⁾ ≤ 10 ²⁾			mm ² /m ² mm/m ²	EN 438-2
Density			≥ 1,350			kg/m ³	ISO 1183
Resistance to impact (small diameter ball)			≥ 15 ³⁾ ≥ 20 ⁴⁾			N	EN 438-2
Dimensional stability at elevated temperature (length)			≤ 0.55			%	EN 438-2
Dimensional stability at elevated temperature (width)			≤ 1.05			%	EN 438-2
Resistance to dry heat / 180 °C (smooth finishes)			min. 3			rating	EN 438-2
Resistance to dry heat / 180 °C (textured finishes)			min. 4			rating	EN 438-2
Resistance to wet heat / 100 °C (smooth finishes)			min. 3			rating	EN 12721
Resistance to wet heat / 100 °C (textured finishes)			min. 4			rating	EN 12721
Resistance to immersion in boiling water (smooth finishes)			min. 3			rating	EN 438-2
Resistance to immersion in boiling water (textured finishes)			min. 4			rating	EN 438-2
Initial wear point (IP)			≥ 150 ⁴⁾ ≥ 50 ³⁾			U	EN 438-2
Wear resistance (WR)			≥ 350 ⁴⁾ ≥ 150 ³⁾			U	EN 438-2
Resistance to surface wear			min. 3 ⁴⁾ min. 2 ³⁾			class	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
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2
Stain resistance (group 3)			min. 4			rating	EN 438-2

Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.



Specification						Unit	Standard
Nominal thickness	1	1.2	1.2	1.2	1.2	mm	
Length	5,600	4,100	5,300	2,800	5,600	mm	
Width	2,070	1,300	1,300	2,070	2,070	mm	
Resistance to cigarette burns	min. 3					rating	EN 438-2
Resistance to water vapour (smooth finishes)	min. 3					rating	EN 438-2
Resistance to water vapour (textured finishes)	min. 4					rating	EN 438-2
Light fastness (xenon arc light)	min. 4					grey scale rating	EN 438-2
Calorific value	env. 19					MJ/kg	ISO 1716
Reaction to fire	normally inflammable						DIN 4102-1
Reaction to fire (Euroclass)	D-s2,d0 or worse in connection with normal and easily inflammable core boards						EN 13501-1, CWFT
Formaldehyde emission class	E1						EN 717-1
Formability (length)	_5)						EN 438-2
Formability (width)	_5)						EN 438-2

1) Dirt, spots and similar surface defects

2) Fibres, hairs and scratches

3) VGP

4) HGP

5) Not determined, processing tests are to be carried out.

Additional Information

Product standard	<ul style="list-style-type: none"> EN 438-3
Product safety	<ul style="list-style-type: none"> The surface is physiologically safe, and approved for direct contact with food. 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. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents. This product is following the REACH regulation EG 1907/2006 an article. Following Article 7 it needs not to be registered.
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 gets to stains.

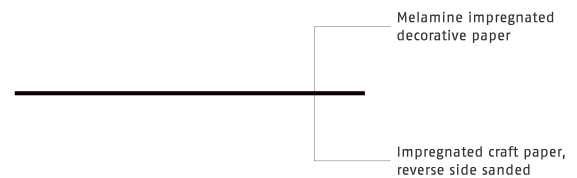
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Technical details

Duropal-HPL

Decorative high-pressure laminate in postforming quality of classification HGP / VGP to EN 438-3 with robust melamine resin surface and sanded reverse.



the processing and suitability of the products described in this document for the intended application in advance, and to take into consideration the legal framework and the respective state-of-the-art. We furthermore expressly draw attention to the applicability of our General Terms and Conditions.