

## Technical details

### Duropal-HPL ESA

Electrostatically dissipative high-pressure laminate in postforming quality with durable melamine resin surface and sanded reverse.

Melamine impregnated decorative paper

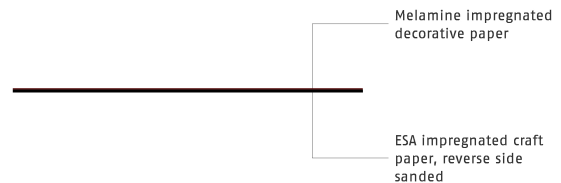
ESA impregnated craft paper, reverse side sanded

Specification					Unit	Standard
Nominal thickness	0.6	0.6	0.8	0.8	mm	
Length	2,800	5,600	2,800	5,600	mm	
Width	2,070	2,070	2,070	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 <sup>2</sup> /m <sup>2</sup>	EN 438-2
					mm/m <sup>2</sup>	
Density					kg/m <sup>3</sup>	ISO 1183
Density range					%	ISO 1183
Resistance to impact (small diameter ball)					N	EN 438-2
Resistance to cracking					rating	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 (textured finishes)					rating	EN 438-2
Resistance to wet heat / 100 °C (textured finishes)						EN 12721
Resistance to immersion in boiling water (textured finishes)						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					class	EN 438-2
Stain resistance (groups 1 & 2)					rating	EN 438-2
Stain resistance (group 3)					rating	EN 438-2
Resistance to cigarette burns					rating	EN 438-2
Resistance to water vapour (textured finishes)						EN 438-2
Light fastness (xenon arc light)					grey scale rating	EN 438-2
Formaldehyde emission class						EN 717-1
Formability (length)						EN 438-2
Formability (width)						EN 438-2
Volume resistance R <sub>D</sub>						EN 61340-5-1

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- 1) Dirt, spots and similar surface defects
- 2) Fibres, hairs and scratches
- 3)  $t$  = nominal thickness
- 4) Processing tests are to be carried out.
- 5) measured dry, measurement voltage 100 V DC, cylindrical electrode, 20-30 °C and 20-50% rel. humidity (96 h conditioning)

#### Additional Information

Product safety	<ul style="list-style-type: none"> <li>• 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.</li> <li>• This product is following the REACH regulation EG 1907/2006 an article. Following Article 7 it needs not to be registered.</li> </ul>
Special	<ul style="list-style-type: none"> <li>• The coarser the structure and the lighter the decor, the greater the scratch resistance.</li> <li>• The smoother the structure and the the darker the decor, the more sensitive it gets to stains.</li> </ul>

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