



SURFORMA® CPL

Continuous Pressure Laminates

CPL FLEX Grade 0,2mm – 0,3mm

DESCRIPTION

SURFORMA® decorative CPL FLEX Grade is a thin, resistant and flexible laminate representing an ideal surfacing solution for profiles, doors and furniture.

It is an excellent material for indoor vertical surfaces and it is produced in rolls, made by an impregnated decorative paper and a special backing of vegetable parchment.

The surface of the CPL laminate is antibacterial, validated accordingly to the Japanese standard JIS Z 2801.

SURFORMA decorative CPL is available in a variety of colours, patterns and surface textures, providing extensive options for architects and designers.

Please check the offer & service brochure for information on Décors, Finishes and Sizes available.

APPLICATIONS

SURFORMA CPL FLEX Grade is ideal for a continuous operating process, coating and wrapping different kinds of profiles and vertical surfaces.

They can be applied to chipboards, MDF, HDF and plywood with any standard gluing process.

This product is not waterproof.

RECOMMENDATIONS

The advice and recommendations are of advisory nature only

Handling & Storage, Maintenance & Cleaning

The SURFORMA® CPL laminates should be stored so they are protected from moisture, humidity and direct sunlight. CPL is supplied in rolls with shockproof packaging.

The stability of the CPL is assured for 12 months, if stored in its original packaging and in proper environmental conditions (temperature 10 - 25° C and relative humidity 50 – 60%).

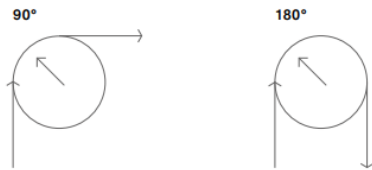
The SURFORMA® CPL laminates require no special maintenance.

The surfaces are generally easy to clean. Do not use sanitary cleaners or detergents with abrasive components, as using such cleaners may lead to changes in the surface: degree of gloss, tone and/or scratch the material.

Processing of curved surfaces

Due the thin laminate thickness, SURFORMA CPL FLEX Grade can only be supplied in rolls and processed on reel-fed machinery.

The CPL FLEX is made to coat curved surfaces with a radius as low as 2mm measured at 90° and 2,5mm measured at 180°.



The indicated bending radius values are valid when working at a maximum speed of 20 lm/min and glue temperature $T \geq 150^{\circ}\text{C}$ for polyurethane glue and $T \geq 180^{\circ}\text{C}$ for polyolefin glue.

Preferably the glue must be spread on the laminate, not on the substrate.

Prior testing is recommended.

Disposal

As laminate materials are classified as non-hazardous, no additional product description labels are needed.

They are cured materials and are chemically inert. REACH classification does not apply to them.

Surforma CPL can be brought to controlled waste disposal sites according to current national and/or regional regulations.

GENERAL FEATURES

PROPERTIES	TEST METHOD		UNIT (max or min)	CPL
Dimensional tolerance requirements	(EN 438-2:2016, Clause n.º)			
Thickness	EN 438-2:5	mm (variation)	0,2mm XSE 0,2mm A1; W1 0,2mm A2 0,3mm	0,12 – 0,15 mm 0,14 – 0,16 mm 0,16 – 0,20 mm ± 0.05 mm
General Requirements				
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Initial Point	50
Resistance to dry heat (160 °C)	EN 438-2:16	Appearance, rating (min.)	All finishes	4
Resistance to wet heat (100 °C)	EN 438-2:18	Appearance, rating (min.)	All finishes	4
Resistance to scratching	EN 438-2:25	Force (min.)	Smooth/ Textured finishes	1 / 2
Resistance to staining	EN 438-2:26	Appearance, rating (min.)	Group 1 e 2 / Group 3	4
Light fastness (xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4 a 5
Formability	EN 438-2:31 or 32	Radius	mm	≥ Radius 2mm
Resistance to blistering	EN 438-2:33 or 34	Time to blister	seconds	≥ 10
Density	EN ISO 1183-1	Density, g/cm ³ (min.)		1.35



The information given in this TDS is correct at the time of publication (2023 EN)
The Company reserves the right to change specifications at any time without prior notification.