

SURFORMA® CPL FLEX

Decorative Continuous Pressure Laminates
for interior vertical applications

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 laminate surface is ANTIBACTERIAL, tested according to ISO 22196 and validated accordingly to Japanese regulation JIS Z 2801.

HPL are cured and therefore chemically inert. Laminates surfaces are physiologically safe and approved for use in direct contact with foodstuff

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.

PROPERTIES



LOW
EMISSIONS



ANTI-STATIC



STAIN
RESISTANT



LIGHT
RESISTANT



EASY TO CLEAN



DIMENSIONAL
STABILITY



EASY TO MILL

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.

Mandatory: The rolls must always be protected with plastic film

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.



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

PUR glues provide excellent adhesion characteristics between laminate and substrate and increased resistance of the bonding to humid environments. For other types (polyolefin, urea, vinyl, ... etc), similar guarantees cannot be given.

Prior testing is recommended.

Transportation, Recovery and Disposal

In terms of transport regulations, CPL is not classified as a hazardous material; therefore, labelling is not necessary. Laminates are an article and not a chemical substance and therefore the REACH regulation does not apply. Due to their high calorific value (18-20 MJ/kg)1 CPL are suitable for thermal recycling.

Laminates 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°)			
Thickness	EN 438-2:5	mm (variation)	0,2 mm XSE; XST 0,2 mm A1; W1 0,2 mm A2 0,3 mm	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 dry 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 and 2 / Group 3	4
Light fastness (xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4 to 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

Our due diligence system for tracing the origin of wood - FSC® & PEFC standards:

The well-known certification systems for sustainable forest management FSC and PEFC are equally evaluated by us to ensure traceability of timber throughout the supply chain, from harvest through to the finished product as a proof that the wood originally comes from certified and sustainably managed forests and other controlled sources.

In addition to providing assurance, FSC and PEFC certified materials can also support customers' LEED and BREEAM certification strategies.

CERTIFICATIONS

