

Shaping Spaces



SURFORMA® LAMINATES

HPL Standard, Post-Forming and Fire Retardant

DESCRIPITION

SURFORMA® decorative laminates, according to EN 438, are an excellent material for indoor surfaces, either horizontal or vertical. SURFORMA® decorative laminates meet the stringent requirements for hygiene, fire resistance, humidity resistance and mechanical properties. The surface of the laminate is antibacterial, validated accordingly to Japanese regulation JIS Z 2801.

SURFORMA® decorative laminates are available in a variety of colors, patterns and surface textures, providing extensive options for architects and designers.

Please check offer & service brochure for information on sizes and thicknesses available.

PROPERTIES









EASY TO CLEAN



LOW EMISSIONS

ABRASION RESISTANT

SCRATCH RESISTANT

RESISTANT









RESISTANT TO CHEMICALS

VERSABILITY

DEEP ROUTERING

FIRE RETARDANT





RECOMMENDATIONS



SURFORMA® Laminates should be stored so that

direct sunlight. When handling or moving decorative laminates it is important that the sheets be lifted

above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each

other. For larger sizes, it is recommended that

axis to prevent sagging. Individual sheets can also be rolled up for easier handling (roll with the decorative side to the inside, making sure to avoid

any side-to-side sliding motions).

sheets be carried arched along the longitudinal

they are protected from moisture, humidity and



ANTI-STATIC



STABILITY

POSTFORMABLE DURABILITY LIGHT

APPLICATIONS

SURFORMA® decorative laminates are meant to be used in interior applications where design, appearance, quality, durability, resistance to stain and resistance to heat from ordinary sources are important features.

SURFORMA® laminates are the best choice for residential, public and commercial areas, and healthcare applications.









ROOMS



SURFORMA® Laminates require no special maintenance because of their durable, hygienic and SPORTS & RESTAURANTS BATHROOMS waterproof surface. Their surface can be cleaned with LABORATORIES LEISURE & HOTELS warm water followed by wiping with a paper towel or soft cloth. Persistent contamination can usually be 00 \$ eliminated with non-abrasive household cleaners. ΟÕ They are resistant to most solvents and chemicals used daily at home.

Laminates materials are classified as non-hazardous, no additional product description labels are needed. They are cured materials and chemically inert. REACH classification does not apply to them.

SURFORMA® Laminates can be brought to controlled waste disposal sites according to current national and/or regional regulations.

FOR PANELING

HEALTH &

WELLNESS

KITCHENS

OFFICES &



RETAIL &

DOORS

NAVAL USE

WORKTOPS



SURFORM 4°

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GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		HGS, HGP, HGF	VGS, VGP, VGF					
Dimensional tolerance requirements (EN 438-2:2016, Clause No.)										
Thickness	EN 438-2:5	mm (max. variation)	0,5 ≤ t ≤ 0,8	± 0,10						
		,	0,8 ≤ t ≤ 2,0	± O,	15					
Length and with	EN 438-2:6	mm		+ 10 / - 0						
Edges straightness	EN 438-2:7	mm/m (max. deviation)		1,5						
Edges squareness	EN 438-2:8	mm/m (max. deviation)		1,5						
Flatness	EN 438-2:9	mm/m (max. deviation)		60						
General Requirements										
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Initial Point	150	50					
Resistance to immersion in boiling water	EN 438-2:12	Appearance, rating (min.)	Gloss/other finishes	3 /	/ 4					
Resistance to water vapour	EN 438-2:14	Appearance, rating (min.)	Gloss/other finishes	3 /	/ 4					
Resistance to dry heat (160 °C)	EN 438-2:16	Appearance, rating (min.)	Gloss/other finishes	3 /	/ 4					
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change % (max.)	Longitudinal	0,55	0,75					
		change % (max.)	Transversal	1,05	1,25					
Resistance to wet heat (100 °C)	EN 438-2:18	Appearance, rating (min.)	Gloss/other finishes	3 /	/ 4					
Resistance to impact by small diameter ball	EN 438-2:20	Spring force, N (min.)		20	15					
Resistance to scratching	EN 438-2:25	Force (min.)	Smooth/Textured finishes	2/3	1/2					
Resistance to staining	EN 438-2:26	Appearance, rating (min.)	Group 1 e 2 / Group 3	5 /	/ 4					
Light fastness (xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4 (a 5					
Density	EN ISO 1183-1	Density, g/cm3 (min.)		1,3	35					



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PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		HGS, HGP, VG HGF	S, VGP VGF
Additional requirements	for postformable - Type P	laminates			
Formability	EN 438-2:31 o 32	Radius, mm	Longitudinal ≤ 10 x nominal		
		Transversal		≤ 20 x laminate nominal thickness	
Resistance to blistering	EN 438-2:33 o 34	Time to blister, seconds	ds Thickness <0,8 mm ≥ 10		
		(t2 - t1)	Thickness <0,8 mm	≥ 15	
Additional requirements	for reaction to fire - Type	F laminates			
Reaction to fire	NFP 92-501	Clase M		M1	
Brandschacht	DIN 4102-1	Clase B		B1	
Propagation of fire	BS 476 - 7	Clase		Class 1	
Heat release	IMO Res. A653 (16)			Approved	
Calorific Power	EN ISO 1716	mJ / kg		18 - 20	
Typical EN 13501-1 class	sifications of HPL composi	ite panels in the field of buildi	ng construction		
1 2		applications are tested in acco		•	
Composite panels compr	B-s2,d0				
Composite panels compr	C-s2,d0				
Composite panels compr	D-s2,d0				

SURFORMA® Laminates are classified in accordance with EN 438 - Sheets based on thermosetting resins (Usually called Laminates) -Part 4: Classification and specifications for compact laminates of thickness 2 mm and greater. For more information about these properties, please refer to the corresponding Technical Datasheet.

The use of SURFORMA® laminates can contribute to the achievement of up to 2 LEED claims:

• The product contains recycled materials and can contribute to obtain LEED credits under MR Credit 4.

Depending on the location of the construction project, the product can meet the requirements for materials extracted and manufactured regionally and contribute to obtaining LEED credits under MR Credit 5.

The information given in this TDS is correct at the time of publication (0519 EN)

The Company reserves the right to change specifications at any time without prior notification.

CERTIFICATIONS









