



SURFORMA® ULTRA SMOOTH

Anti-fingerprint properties

DESCRIPTION

SURFORMA® Ultra Smooth laminates are a high-pressure decorative laminates according to EN 438 with a decorative surface obtained through acrylic resins cured by EBC Electron Beam Cured process.

The surface is anti-fingerprint, opaque with a low light reflectivity and pleasantly soft and warm to the touch. Superficial micro scratches can be repaired thermally.

SURFORMA® Ultra Smooth are intended for use in vertical and light duty interior applications.

SURFORMA® Ultra Smooth decorative laminates are available in a variety of colours, providing varied options for architects and designers.

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

APPLICATIONS

SURFORMA® Ultra Smooth decorative laminates are intended for use in indoor vertical applications, such as furniture and decoration, where the design and appearance are important features.



FOR PANELING



DOORS



RESTAURANTS & HOTELS



BATHROOMS



BEDROOMS



KITCHENS



OFFICES & EDUCATION



RETAIL & EXHIBITIONS



HEALTH & WELLNESS

PROPERTIES



LOW EMISSIONS



DURABILITY



EASY TO CLEAN



STAIN RESISTANT



VERTICALITY



SCRATCH RESISTANT



VERSABILITY



ANTI FINGERPRINT

RECOMMENDATIONS

The SURFORMA® laminates should be stored so they are protected from moisture, humidity and direct sunlight. The laminates should preferably be store face to face, flat in horizontal racks. They should not be rolled as this may induce a permanent bend. The Ultra Smooth laminates are supplied with a protective peel coat. It's recommended to let it for protection during handling, transport and panels fabrication. Remove it after the finished product is installed and ready for use.

The SURFORMA® Ultra Smooth laminates surface can be cleaned with warm water followed by wiping with a paper towel or soft cloth. Persistent contamination can usually be eliminated with non-abrasive household cleaners. Solvents cleaners must be used with care and should be tried first on a scrap off-cut to ensure that no surface damage results.

As laminates are classified as non-hazardous, it is not necessary additional product description labels. It is a cured material and is chemically inert. REACH classification does not apply to them.

SURFORMA® HPL can be brought to controlled waste disposal sites according to current national and/or regional regulationsast 60 teethes of minimum thick of 1,8mm.



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GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		AF
Dimensional tolerance requirements (EN 438-2:2016, Clause No.)				
Thickness	EN 438-2:5	mm (max. variation)	0,8 mm	± 0,10
Length and width	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)		100
General Requirements				
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Decorative coating	50
			Average	250
Resistance to immersion in boiling water	EN 438-2:12	Appearance, rating (min.)	Ultra-Smooth finish	4
Resistance to water vapour	EN 438-2:14	Appearance, rating (min.)	Ultra-Smooth finish	4
Resistance to dry heat (160 °C)	EN 438-2:16	Appearance, rating (min.)	Ultra-Smooth finish	4
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change% (máx.)	Longitudinal	0,75
			Transversal	1,25
Resistance to wet heat (100 °C)	EN 438-2:18	Appearance, rating (min.)	Ultra-Smooth texture	4
Resistance to impact by small diameter ball	EN 438-2:20	Spring force, N (mín.)	Ultra-Smooth texture	15
Resistance to scratching	EN 438-2:25	Force, rating (mín.)	Ultra-Smooth texture	2
Resistance to staining	EN 438-2:26	Appearance, rating (mín.)	Group 1 & 2 / Group 3	5 / 4
Light fastness (xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4
Density	EN ISO 1183-1	Density, g/cm3 (mín.)		1,40

SURFORMA® Laminates are classified based on EN 438 – Sheets based on thermosetting resins (Usually called Laminates) – Part 3: Classification and specifications for laminates less than 2 mm thick intended for bonding to supporting substrates. The physical and mechanical properties vary depending on the substrate used. For more information about these properties, please refer to the corresponding Technical Data Sheet.

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 (05/19 EN)

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

CERTIFICATIONS

