

SURFORMA® HPL SILK

Decorative laminates with anti-fingerprint properties for interior applications

DESCRIPTION

SURFORMA® ULTRA SMOOTH SILK laminates have a decorative surface obtained through acrylic resins cured by EBC Electron Beam Cured process.

The surface has thermal healing properties for superficial micro scratches, low light reflectivity thanks to its extreme opacity and matt finish as well as anti-fingerprint properties.

SILK has an innovative free phenol core which stand out this new product.

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.

The SILK is an excellent material for indoor surfaces, suitable for both horizontal and vertical applications.

SURFORMA® ULTRA SMOOTH SILK decorative laminates are available in a variety of colors and patterns, providing inspirations and encouraging creativity of architects and designers.

Please check the SILK brochure for information on sizes and thicknesses available.

APPLICATIONS

SURFORMA® ULTRA SMOOTH SILK is suitable for both horizontal and vertical applications.

An elegant and warm to touch anti-fingerprint surface provide sophistication and elegance to any space.

The harmony and comfort of timeless nudes and the finesse and sobriety of gray, coexists with blues and greens, warming terracotta and the contrast of intense black and delicate white marbles.

Recommended for a wide range of interior designs, for home, hospitality, healthcare, and commercial applications: e.g. kitchens and bathrooms, work surfaces, furniture, construction, doors and wall claddings.

Embrace the assertive aesthetic SURFORMA® ULTRA SMOOTH SILK laminates collection.

PROPERTIES



LOW
EMISSIONS



ANTI-STATIC



ABRASION
RESISTANT



SCRATCH
RESISTANT



STAIN
RESISTANT



LIGHT
RESISTANT



EASY TO CLEAN



DIMENSIONAL
STABILITY



EASY TO MILL



FIRE
RETARDANT



POSTFORMABLE

RECOMMENDATIONS

The advice and recommendations are of advisory nature only

Handling & Storage

SILK 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 stored rolled as this may induce a permanent bend.

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 sheets be carried arched along the longitudinal 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).

The SILK 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.

SURFORMA® HPL SILK

Decorative laminates with anti-fingerprint properties for interior applications

Maintenance & Cleaning

The SURFORMA® SILK laminates require no special maintenance.

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 to ensure that no surface damage results. Strongly acidic or alkaline products should be avoided because they can stain the surface.

Do not use furniture polish or wax-based cleaners in general, because they tend to form a sticky layer on the SILK surface that attracts and traps dirt; do not use metal scrapers, iron brushes or any other metal tool to remove stains, paint, plaster or other substances from the surface.

Always clean with gentle movements.

Superficial Micro Scratches

It's recommended to repair the micro-scratches within 48h

Magical Sponge: Rub the magic sponge on the area where the micro-scratches can be seen. The sponge can be used dry or slightly damp. The surface should now be healed.

Iron: Place a dampened sheet of kitchen roll over the area where the micro-scratches can be seen. Place the hot iron on the surface that needs repairing. Do not leave the iron on the surface for more than 10 seconds at a time and a maximum of 120°C. Rinse the repaired area with warm water and a microfiber cloth.

Transportation, Recovery and Disposal

In terms of transport regulations, HPL 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 HPL are suitable for thermal recycling.

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

SURFORMA® HPL SILK

Decorative laminates with anti-fingerprint properties for interior applications

GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		SILK
Dimensional tolerance requirements (EN 438-2:2016, Clause n.º)				
Thickness	EN 438-2:5	mm (max. variation)	t 0,8	± 0,10
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)		1,5
General Requirements				60
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Initial Point	250
Resistance to water vapour	EN 438-2:14	Appearance, rating (min.)		4
Resistance to dry heat (160 °C)	EN 438-2:16	Appearance, rating (min.)		4
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change % (max.)	Longitudinal	0,60
			Transversal	1,20
Resistance to wet heat (100 °C)	EN 438-2:18	Appearance, rating (min.)		4
Resistance to impact by small diameter ball	EN 438-2:20	Spring force, N (min.)		15
Resistance to scratching	EN 438-2:25	Force, rating (min.)		3
Resistance to staining	EN 438-2:26	Appearance, rating (min.)	Group 1 and 2 / Group 3	5 / 4
Density	EN ISO 1183-1	Density, g/cm³ (min.)		1,35
Post formable				
Formability	EN 438-2:31 or 32	Radius, mm	Longitudinal	≥ 8
			Transversal	≥16
Time to blistering	EN 438-2:33 or 34	Time to blister, seconds		≥10

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



The information given in this TDS is correct at the time of publication (March 2024)
The Company reserves the right to change specifications at any time without prior notification.