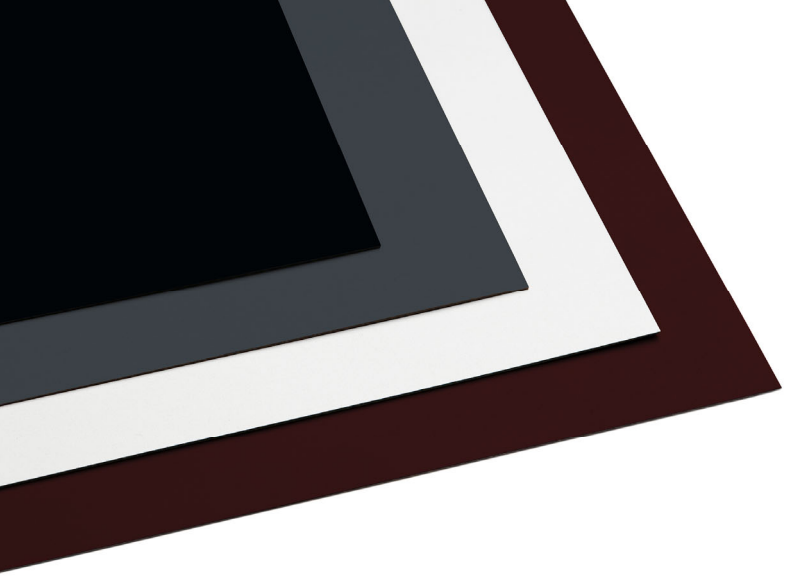

innovus®
Decorative Products

INNOVUS HPL ULTRA SMOOTH

Decorative Anti Finger laminates for interior applications

DESCRIPTION

Innovus 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.
The surface is antibacterial, validated accordingly to Japanese regulation JIS Z 2801.

Innovus Ultra Smooth are intended for use in vertical and light duty horizontal interior applications. Innovus 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.

PROPERTIES

- ANTI-FINGERPRINT
- ANTIBACTERIAL
- VERTICAL APPLICATIONS
- EASY TO CLEAN
- STAIN RESISTANT
- SCRATCH RESISTANCE
- DURABILITY
- LOW EMISSIONS
- VERSABILITY

APPLICATIONS

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

- KITCHENS
- BATHROOMS
- RESTAURANTS & HOTELS
- HEALTH & WELLNESS
- HOTEL BEDROOMS
- FOR PANELING
- OFFICES & EDUCATION
- RETAIL & EXHIBITIONS
- DOORS
- HEALTHCARE & LABORATORIES

RECOMMENDATIONS

The Innovus 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 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.

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

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SONAE ARAUCO
Taking wood further

INNOVUS HPL ULTRA SMOOTH

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GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (max or min)		AF
Dimensional tolerance requirements	**(EN 438-2:2016, Clause n.º)**			
Thickness	EN 438-2:5	mm (max. variation)	0.8 mm	± 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)		100
General Requirements				
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Decorative coating Average	50 250
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 ºC)	EN 438-2:16	Appearance, rating (min.)	Ultra-Smooth finish	4
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change % (max.)	Longitudinal	0.75
			Transversal	1.25
Resistance to wet heat (100 ºC)	EN 438-2:18	Appearance, rating (min.)	Ultra-Smooth finish	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.)	Ultra-Smooth finish	2
Resistance to staining	EN 438-2:26	Appearance, rating (min.)	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/cm^3 (min.)		1.40

Innovus 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.

LEED™ CREDITS

- The use of Innovus 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.

CERTIFICATIONS

Please pay attention to certified products:

FSC® and PEFC™ -certified products are available on request and availability.

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