

## NOVODECOR® LAMIFLOOR

Decorative laminates for raised floor

### DESCRIPTION

NOVODECOR® decorative laminates according to EN 438 are a high abrasion resistance material for floorings. Innovus 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.

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

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

### APPLICATIONS

NOVODECOR® decorative laminates available in AC3 & AC5 classes, are intended for the production of indoor floorings, where the wear resistance, durability, design and appearance, are important features.

NOVODECOR® laminates are the best choice for resistant, durable and hygienic floors for public areas of medium and high circulation.



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PAVEMENTS

### PROPERTIES



DURABILITY



SCRATCH RESISTANT



ANTI-STATIC



LIGHT RESISTANT



VERSABILITY



ABRASION RESISTANT



DIMENSIONAL STABILITY



EASY TO CLEAN

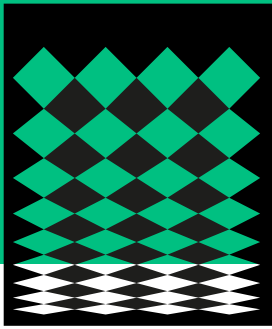
### RECOMMENDATIONS

The NOVODECOR® 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. 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 face inward, making sure to avoid any side-to-side sliding motions).

The NOVODECOR® laminates, with their durable, hygienic and waterproof surface, require no special maintenance. The 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. They are resistant to most solvents and chemicals used daily at home.

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



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### GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		AC3 ST AC3 FR	AC5 ST AC5 FR
<b>Dimensional tolerance requirements (EN 438-2:2016, Clause n.º)</b>					
Thickness	EN 438-2.5	mm (max. variation)	$0.8 \leq t \leq 1.0$	± 0.10	
			$1.0 < t \leq 1.2$	± 0.15	
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)	60		
<b>General Requirements</b>					
Resistance to surface wear	EN 438-2.11	Revolutions (min.)	Initial Point	2000	6000
Resistance to water vapour	EN 438-2.14	Appearance, rating (min.)	All finishes	4	
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change % (max.)	Longitudinal	0.65	
			Transversal	1.15	
Resistance to impact by small diameter ball	EN 438-2.20	Spring force, N (min.)	20		
Resistance to impact by large diameter ball	EN 438-2.21	Drop height, mm (min.)	1600		
		Indentation diameter, mm (max.)	10		
Resistance to staining	EN 438-2.26	Appearance, rating (min.)	Groups 1 & 2 / Group 3	5 / 4	
Light fastness (xenon arc)	EN 438-2.27	Contrast	Grey scale rating	4 to 5	
Density	EN ISO 1183-1	Density, g/cm <sup>3</sup> (min.)	1.35		
Electrostatic properties	EN 61340-4-1	Ohms	Ca 5 x 10 <sup>9</sup>		
<b>Additional requirements for reaction to fire - Type F laminates</b>					
Reaction to fire	NFP 92-501	Class M		M1	
Brandschacht	DIN 4102-1	Class B		B1	
Propagation of fire	BS 476 - 7	Class		Class 1	
Heat release Calorific	IMO Res. A653 (16)			Approved	
Power	EN ISO 1716	mJ / kg		18 - 20	



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PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)	AC3 ST AC3 FR	AC5 ST AC5 FR
<b>Typical EN 13501-1 classifications of HPL composite panels in the field of building construction</b>				
In Europe, laminate panels intended for construction applications are tested in accordance with EN ISO 9239-1 and EN ISO 11925-2 (2) (Small-burner test), and the resulting reaction-to-fire performance is expressed in accordance with EN 13501-1				
Composite panels comprising HPL type F bonded to non-combustible substrates			B-s2,d0	
Composite panels comprising HPL type F bonded to FR wood-based substrates			C-s2,d0	
Composite panels comprising HPL type S or P bonded to non-FR wood-based substrates			D-s2,d0	

NOVODECOR®Laminates are classified in accordance with EN 438 – Sheets based on thermosetting resins (Usually called Laminates) – Part 5: Classification and specifications for flooring grade 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 NOVODECOR® 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.