



# LAM TEC - TECHNICAL MATT

## SURFACE FEATURES

### MEASURED VALUES COMPARED TO A HDS LAMINATE SURFACE

Property	Standard	Units / Classification			Measured value	HDS specification*
60° Gloss	EN 438-2	GU			2 ± 1	< 20
Scratch resistance	EN 438-2	Degree			5	≥ 4
		N			≥ 6	≥ 4
Resistance to surface wear	EN 438-2	No. of IP cycles			600	≥ 350
Stain resistance	EN 438-2	Acetone	(16 h)	Degree	5	5
		Coffee	(16 h)		5	5
		Sodium hydroxide 25%	(10 min)		5	≥ 4
		Hydrogen peroxide 30%	(10 min)		5	≥ 4
		Shoe polish simulant	(10 min)		5	≥ 4
Wet heat resistance	EN 438-2	Degree			4	≥ 4
Dry heat resistance	EN 438-2	Degree			4	≥ 4
Steam resistance	EN 438-2	Degree			5	≥ 4
Light fastness	EN 438-2	Grayscale			4 to 5	4 to 5
Impact resistance	EN 438-2	Small diameter ball	N		25	≥ 25
		Large diameter ball	Height	mm	1000	≥ 1000
			Print diameter	mm	< 10	< 10
Visual defects	EN 438-4	Spots, dirt..	Surface	mm <sup>2</sup> /m <sup>2</sup>	< 1,0	< 1,0
		Fibres, hairs, scratches.	Length	mm/m <sup>2</sup>	< 10	< 10

\*HDS: Laminate for HORIZONTAL application; SEVERE use; STANDARD type  
Feature tests made by AIDIMME.

Antibacterial surface: Certified by AIDIMME under ASTM E 2180-07 against Staphylococcus aureus and Pseudomonas aeruginosa with a reduction percentage of ≥ 99.9 % after 24 hours.

Certificate for food contact issued by ISEGA based on chemical composition and migration tests.

Very low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and CARB Phase 2 / US EPA TSCA Title VI compliant available under order.

## PHYSICAL-MECHANICAL FEATURES:

The physical and mechanical properties of the product are those of the support panel used.

## DIMENSIONAL TOLERANCES:

Property		Standard	Units	Specification
Dimensions	Thickness	EN 14322	mm	+0.5 / -0.3
			mm	max-min < 0.6
	Length / Width		mm	+/- 5
Flatness			mm/m	≤ 2

**PROTECTIVE FILM:** FINSA will supply its product with a temporary plastic film to protect against dirt and minor scratches. This film should be removed once the product is installed. In any case, it must be removed within six months after FINSA has supplied the product.

**STORAGE:** The product should be stored horizontally in a clean, dry place (recommended temperature and relative humidity of 20°C / 65% R.H.) and avoid exposure to UV rays.



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## KITCHEN FURNITURE - HORIZONTAL USE

Property	Standard	Units / Classification		Measured value	Specification Severe use	
Resistance to cold food products	UNE 56875	Olive oil	24 h	Assessment	0	≤ 1
		12° Red Wine			0	≤ 1
		Cola soft drink			0	≤ 1
		Milk			0	≤ 1
		Coffee			0	≤ 1
		Tea			1	≤ 1
		Acetic acid 7%			0	≤ 1
Resistance to hot food products	UNE 56875	Olive oil 200 °C	24 h	Assessment	0	≤ 1
		Milk 100 °C			0	≤ 1
Resistance to cleaning products	UNE 56875	Hand washing-up liquid	24 h	Assessment	0	≤ 1
		Cleaner with bleach 12%			1	≤ 1
		Powder washing detergent			0	≤ 1
		Liquid washing detergent			0	≤ 1
		Floor cleaner			0	≤ 1
		Furniture cleaner			0	≤ 1
Dry heat resistance	UNE 56875	B		Assessment	4	≥ 4
		C			5	≥ 5
Steam resistance	UNE 56875	B		Assessment	5	≥ 4
		C			5	≥ 4
Abrasion resistance	UNE 56875	Revolutions		600	≥ 500	
Scratch resistance	UNE 56875	Degree		5	≥ 3	
Impact resistance	UNE 56875	Height 60 cm		No cracks	No cracks	
Adherence (GUBIA)	UNE 56875	Dragging of particles from the support	%	≥ 80	≥ 80	
Cross-Cut Adherence	UNE 56875	Surface detachment	%	< 50	< 50	
Light fastness	UNE 56875	Grayscale		≥ 4	≥ 4	

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**FINSA**  
*solutions in wood*

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## OFFICE FURNITURE - HORIZONTAL USE / OFFICE TABLES

Property	Standard	Units / Classification		Measured value	Specification Severe use
Abrasion resistance	EN 438-2	No. of cycles	PI	600	≥ 150
			PF	700	≥ 350
Stain resistance	EN 438-2	Degree		5	≥ 4
Impact resistance	EN 438-2	Height 60 cm	Cracks	No cracks	No cracks
			Print diameter (mm)	< 10	< 10
Resistance to dry heat (160°C)	EN 438-2	Degree		4	≥ 4
Light fastness	EN 438-2	Grayscale		≥ 4	≥ 4

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### PHYSICAL-MECHANICAL FEATURES:

The physical and mechanical properties of the product are those of the support panel used.