

**BIOCARBON
LAMINATES**

• BREATHING SUSTAINABILITY •



TECHNICAL DATASHEET LISCIO

PROPERTIES

- A Carbon Neutral product
- An innovative durable decorative surface using EBC (Electron Beam Cured) technology
- Smart technology enables the repair of minor surfaces scratches
- Soft touch, ultra matt surface
- Anti-fingerprint performance
- Very low light reflectivity and extremely opaque surface
- Information on Light Reflective Values and colour references can be provided
- Available in a range of 4 decors

Key features



Carbon Neutral



Fire Performance



Healing Properties



Low Light



Anti-fingerprint



Soft Touch

■ Standard Feature

■ Optional Feature

APPLICATIONS

- The versatility of BioCarbon Liscio enables the material to be used in a wide range of interior design applications including Commercial Interiors, Residential, Hospitality, Retail, Transportation and Healthcare.
- The smart material is created for interior design and suitable for both horizontal and vertical surfaces such as Worktops, Countertops, Doors, Wall Panelling, Tables, Desks, Boardroom Conference Tables, and Storage.

AVAILABILITY

	LISCIO
Thickness (mm)	0.9
Sheet sizes (mm)	3060 x 1220
Grade	Standard Grade, FR Grade available as an option*
Finish	LS

When ordering FSC® certified materials please ensure this is requested on your purchase order as availability on FSC® certified material may vary.
*Fire Retardant Grade (FR) for HPL and Liscio - To achieve certificated composite Fire Performance the selection of FR grade laminate, FR grade core material including appropriate adhesive and bonding system must be carefully considered. For further advice please speak to our technical team.

SAMPLES

To order samples please contact our UK Distributor
Performance Panels Ltd.

+44 (0) 1422 310319

info@performance-panels.co.uk

www.performance-panels.co.uk

www.biocarbonlaminates.com

BIOCARBON LAMINATES

LISCIO TECHNICAL SPECIFICATIONS

TEST	TESTING METHOD	PROPERTY OR ATTRIBUTE	UNITS	BIOCARBON LISICIO
Surface Quality	EN 438 2-4	Spots, dirt, similar surface defects	mm ² / m ²	≤ 2
		Fibres, hairs and scratches	mm ² / m ²	≤ 20
Dimensional Tolerances	EN 438 2-5	Thickness	mm	0.70 ± 0.10 mm 1.0 ± 0.15 mm
	EN 438 2-9	Flatness	mm / m	≤ 60
	EN 438 2-6	Length and width	mm	+ 5 / 0
	EN 438 2-7	Straightness of edges	mm / m	≤ 1.0
	EN 438 2-8	Squareness	mm/m	≤ 1.5
	In-house Test	Squareness	mm	3060 x 1220 mm difference between diagonals ± ≤ 5
Resistance to surface wear	EN 438 2-10	Initial point	Revolutions	≥ 500
Resistance to scratching	EN 438 2-25	Appearance	Rating	≥ 4
Resistance to cracking	EN 438 2-23	Appearance	Rating	5
Resistance to staining	EN 438 2-26	Appearance Group 1 and 2	Rating	5
		Appearance Group 3	Rating	≥ 4
Low light reflectivity / extreme matt surface	EN 13722	Gloss units	Units	3-4
Resistance to Impact (small diameter ball)	EN 438 2-20	Spring force	N	≥ 25
Dimensional stability at elevated temperature	EN 438 2-17	Cumulative dimensional change	Longitudinal %	≤ 0.75
			Transversal %	≤ 1.25
Resistance to wet heat (100°C)	EN 438 2-12	Appearance	°C	4
Resistance to dry heat (160°C)	EN 438 2-12	Appearance	°C	4
Resistance to immersion in boiling water	EN 438 2-12	Thicknesses < 5 mm	%	Less than 5% in mass increase and less than 6% in thickness increase
		Surface appearance	Rating	≥ 4
		Edge appearance	Rating	≥ 4
Resistance to water vapour	EN 438 2-14	Appearance	Rating	5
Density	ISO 1183	Density	g/cm ³	≥ 1.40
Formaldehyde Emissions	UL 2828 - 2013	Formaldehyde	ppm	< 0.005
	EN 438 7-2015			E1
VOC emissions	Low Chemical Emission	VOC emissions	Suitability	< 50 ppb
Reaction to Fire	ASTM E84	Fire Retardant Grade (FR) - To achieve certificated composite Fire Performance the selection of FR grade laminate, FR grade core material including appropriate adhesive and bonding system must be carefully considered. For further advice please speak to our technical team.		
	EN 13501 - 1			