

COMPOSITES



MARINE



SPORTS & LEISURE



INDUSTRIAL



AUTOMOTIVE

60 years Committed to the Core

When searching for high quality product solutions based on functional non-woven technology, Lantor is your perfect partner. This year we celebrate 60 years of experience and expertise across a wide range of applications, industries and markets, we can offer the very best solutions for your needs. Our products deliver the superior functionality which enables our customers to offer superior products, processes and applications. We aim to provide maximum value in use at the lowest integral costs, combined with maximum customer satisfaction. For Lantor, a real partnership includes excellent delivery reliability, along with full service and support.

Lantor Composites

The Lantor Composites division offers a comprehensive range of innovative nonwovens solutions for the composites (fibre reinforced plastics) industry. Since our introduction of nonwoven core materials as a time and cost saving solution for the composites industry we have built a solid reputation. In close cooperation with the world's leading end-users and institutes, we have developed successive generations of Lantor mat products for specific applications in Automotive, Building & Infra, Industrial, Marine, Mass Transport, Sports & Leisure and Wind Energy. With dedicated, solution-driven support and calculation services we will find the optimal solution for you.

Fields of application

- Automotive: roofs, spoilers and bodypanels
- Building & Infra: cladding panels and interior parts
- Industrial: fans, containers and tanks
- Marine: hulls, decks and structures of boats & yachts
- Mass Transport: parts and panels of trailers, trucks and RV's
- Sports & Leisure: kayaks, surfboards, pools and tubs
- Wind Energy: nacelle covers, spinners and blades

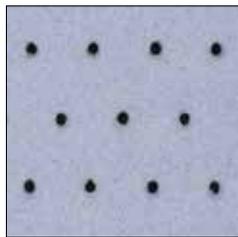


50 Years Market Leader in Marine



Lantor Coremat®

For decades, Lantor Coremat® has been considered the world standard for flexible bulker mats and print blockers used in hand lay up and spray up processes. All Coremat® grades consist of a polyester nonwoven containing microspheres and offer a cost effective increase in stiffness and weight, savings in materials and an excellent surface finish.

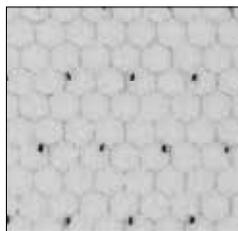


Coremat® Xi

Coremat® Xi

The original Coremat® Xi grade is distinctively recognizable by its blue resin indicator. It is known for its excellent impregnation and drapeability properties during processing. This makes the Coremat® Xi an excellent choice for complex geometries.

- Original Lantor Coremat® quality
- Easy impregnation with a resin uptake of only 600 g/m² per mm thickness
- Excellent flexibility and softness during processing for complex geometries

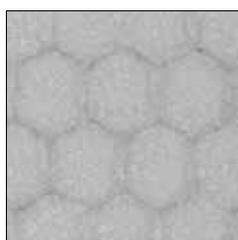


Coremat® XM

Coremat® XM

The Coremat® XM is engineered to combine optimized resin uptake with good tensile strength of the material when wet. The XM grade has been given a hexagonal cell structure to maintain the Coremat® quality for consistency of thickness and flexibility.

- Suitable for pre-wetting outside the mould due to its wet tensile strength
- Reduced resin uptake of 500 g/m² per mm thickness
- Honeycomb appearance for consistent thickness and flexibility



Coremat® XM 10

Coremat® XM 10

The Coremat® XM 10 grade is designed to replace rigid materials such as foam, plywood or plastic cores. The XM 10 has a good screw retention, without rot issues and combines this with the Coremat® qualities of flexibility and easy processing.

- Good plywood replacement
- Good screw retention, without rot issues
- Flexible and easy processing

Properties		Coremat® Xi					Coremat® XM			
		Xi 1	Xi 2	Xi 3	Xi 4	Xi 5	XM 2	XM 3	XM 4	XM 10
Thickness	mm	1,4	2,0	3,0	4,0	5,0	2,0	3,0	4,0	10,0
Roll length	m	130	80	50	40	30	80	50	40	15
Roll width	m	1	1	1	1	1	1	1	1	1
Resin uptake	kg/m ²	0,8	1,2	1,8	2,4	3,0	1,0	1,5	2,0	6,5
Dry weight	g/m ²	45	55	80	105	125	80	110	140	250
Density impregnated	kg/m ³	630	630	630	630	630	540	540	540	680

Lantor Finishmat®

Finishmat® is the Lantor range of surfacing veils for the composites industry. Finishmat® veils are used to improve surface cosmetics, create better chemical resistance or reduce the abrasion of composite structures. Each Lantor Finishmat® offers good and even impregnation and is suitable for several production processes and applications.

Finishmat® D77 – Surface veils for closed mould processes

The Finishmat® D77 range (60, 80, ANC) consists of needle punched veils that are very drapeable. In closed mould processes the D77 veils can be used directly against the mould surface or behind the gelcoat to prevent osmosis and fibre print-through from glass fibres.

Finishmat® D88 / 4092 / 6500 / 6691 – Surface veils for filament winding and pultrusion

Finishmat® D88

The Finishmat® D88 is a unique combination of a relatively high tensile strength and a permeable and voluminous structure. The tensile strength allows the D88 to be used in filament winding and pultrusion processes. The open veil structure assures a good resin wet out and enhances the surface quality.

Finishmat® 4092

Longitudinal polyester fibers are used as reinforcement to optimize the tensile strength in the Finishmat® 4092 veil. The increased tensile strength increases abrasive, chemical and weather resistance properties.

Finishmat® 6500

The Finishmat® 6500 is a spunbond polyester veil. A thin but strong veil that can be used effectively in filament winding and pultrusion; the apertures that provide a good air-release during processing.

Finishmat® 6691

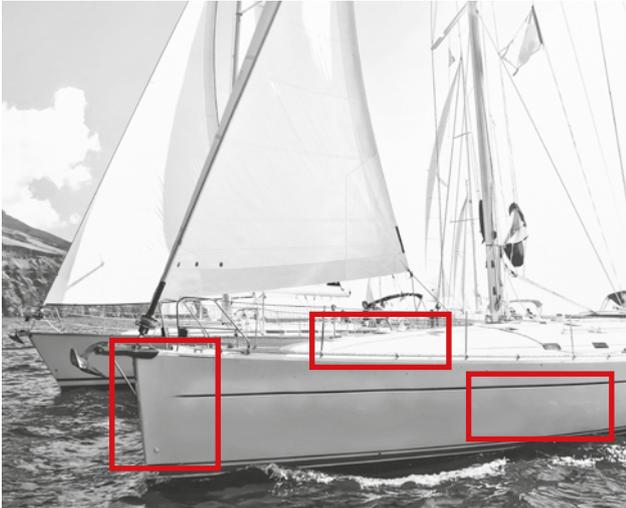
The Finishmat® 6691 range is a chemical bond polyester veil. The veil structure results in a consistent resin uptake and creates a smooth, resin-rich layer that serves as a chemical barrier and surface finish.

Anti-Static Finishmat® AS Grades

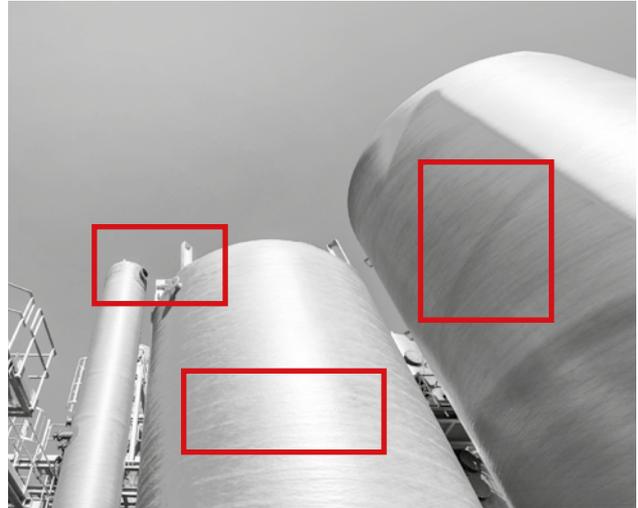
Lantor Finishmat® is also available in Anti-Static (AS) versions. For both closed moulding as well as filament winding and pultrusion processes Lantor has several grades available based on carbonized additives or silver-coated fibres.

Properties		Finishmat®										
		D77 60	D77 80	D77 ANC	D88 80	6691 SL	6691 LL	4092	6500	AS076	AS07	AS7020
Thickness*	mm	0,30	0,40	0,75	0,65	0,30	0,45	0,20	0,19	1,50	1,50	0,33
Roll length	m	100	100	1000	1000	1000	1000	1000	1000	150	150	1000
Roll width	m	1,1	1,1	1	1	1	1	1	1	1	1	1
Resin uptake	kg/m ²	0,40	0,55	0,55	0,40	0,35	0,50	0,30	0,20	0,40	0,40	0,50
Dry weight	g/m ²	60	80	80	80	20	40	60	50	70	70	60
Binder type		Needle punched	Needle punched	Needle punched	Needle punched	Acrylate	Acrylate	Acrylate	Spunbond	Needle punched	Needle punched	Acrylate
Color		White	White	Black	White	White	White	White	White	Black	White	White
Elongation	%	100	100	> 100	> 50	> 10	> 10	12	25	> 80	> 80	> 10
Fibre type		PAN	PAN	PAN	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester

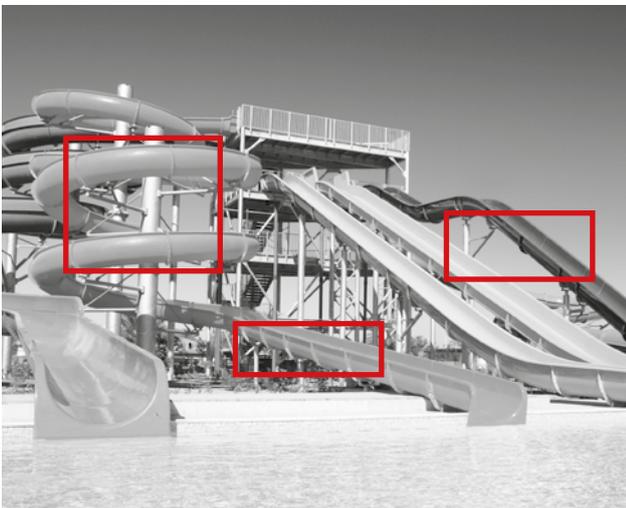
* depending on process pressure



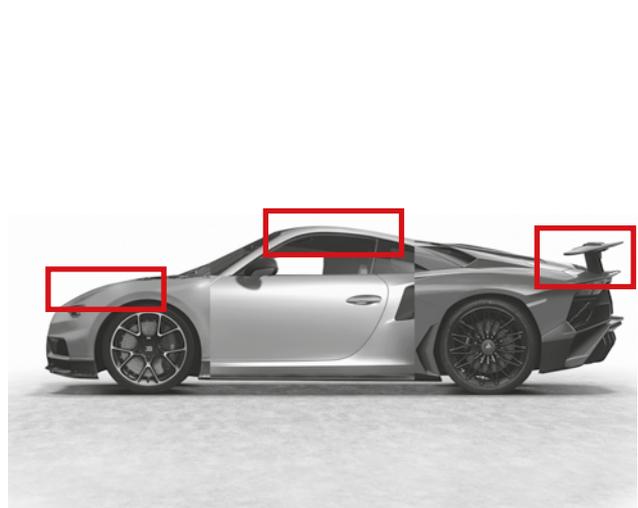
Committed to Innovation



Committed to Quality



Committed to Partnership



Committed to Performance

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