

Physical data

		Xi 1	Xi 2	Xi 3	Xi 4	Xi 5
Thickness	mm	1,4	2	3	4	5
Roll length	m	130	80	50	40	30
Roll width	m	1	1	1	1	1
Resin uptake	kg/m ²	0,8	1,2	1,8	2,4	3,0
Dry weight	g/m ²	35	62	88	114	125
Density impregnated	kg/m ³	630	630	630	630	630

Core material and print through barrier for open mould processes

Typical mechanical properties of Lantor Coremat® Xi* impregnated with unsaturated polyester resin

Mechanical properties			Test method
Flexural strength	MPa	11	ASTM D790
Flexural modulus	MPa	1100	ASTM D790
Tensile strength across layers	MPa	4	ASTM C297
Compression strength (10% strain)	MPa	10	ISO 844
Shear strength	MPa	5	ASTM C273-61
Shear modulus	MPa	35	ASTM C273-61

* Lantor Coremat® Xi 3

Keep Coremat® Xi away from direct sunlight, therefore store Lantor Coremat® Xi in the original bag. This will ensure the proper working of the resin indicator. Please note that the resin indicator is not a guarantee that sufficient resin has been applied, but strictly a control mechanism to identify dry spots. Always check resin content.

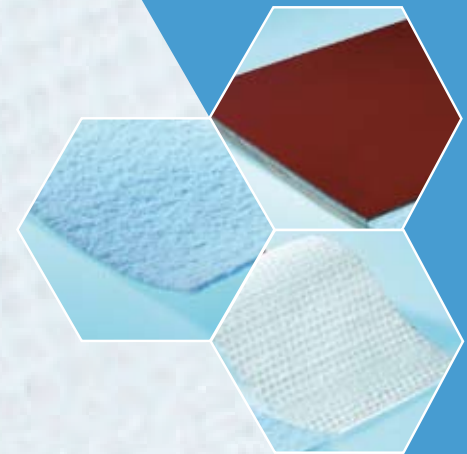
Lantor Coremat®

- The cost effective solution for your open mould process
- Lantor Coremat® can be used as core material and/or print blocker
- Lantor Coremat® is a polyester nonwoven and compatible with all regular types of resins, including Polyester, Vinylester, Phenolic and Epoxy.
- Lantor Coremat® is suitable for hand lay-up and spray-up processes.

Applications of Lantor Coremat®

- Marine (hulls, decks and superstructures of boats and yachts)
- Transportation (parts and panels of cars, trailers, trucks, RV's)
- Mass transit (interior and exterior of trains, light rail, buses)
- Leisure (kayaks, surfboards, pools, tubs)
- Industrial (cladding panels, containers, tanks)
- Wind Energy (nacelle covers, spinners)

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- Resin indicator
- Excellent impregnation
- Improved control

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