

# COMPOSITES

## Datasheet Coremat® Xi

### Lantor Coremat® Xi

- The cost effective solution for open mould processes
- Is used as core material and/or print blocker
- Is a polyester nonwoven and compatible with all regular types of resins, including Polyester, Vinylester, Phenolic and Epoxy
- Is suitable for hand lay-up and spray-up processes

### Applications Lantor Coremat® Xi

- Marine: hulls, decks and structures of boats and yachts
- Transportation: parts and panels of cars, trailers and trucks
- Mass transit: interior and exterior of trains, light rail and buses
- Leisure: kayaks, surfboards, pools and tubs
- Industrial: cladding panels, containers and tanks

### Notification

Keep Coremat® Xi away from direct sunlight, therefore store Coremat® Xi in the original bag. This will ensure proper functioning 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.

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### Dimensional data

Properties		Xi 1	Xi 2	Xi 3	Xi 4	Xi 5
Thickness	mm	1,4	2,0	3,0	4,0	5,0
Roll length	m	130	80	50	40	30
Roll width	m	1	1	1	1	1
Resin uptake	kg/m <sup>2</sup>	0,8	1,2	1,8	2,4	3,0
Dry weight	g/m <sup>2</sup>	45	55	80	105	125
Density impregnated	kg/m <sup>3</sup>	630	630	630	630	630

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

Mechanical properties	unit	value	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			

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