

# COMPOSITES

## Datasheet Coremat<sup>®</sup> XM



### Lantor Coremat<sup>®</sup> XM

- 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<sup>®</sup> XM

- 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
- Wind Energy: nacelle covers and spinners

### Dimensional data

Properties		XM 2	XM 3	XM 4	XM 10
Thickness	mm	2,0	3,0	4,0	10,0
Roll length	m	80	50	40	15
Roll width	m	1	1	1	1
Resin uptake	kg/m <sup>2</sup>	1,0	1,5	2,0	6,5
Dry weight	g/m <sup>2</sup>	80	110	140	250
Density impregnated	kg/m <sup>3</sup>	540	540	540	680

### Typical mechanical properties of Lantor Coremat<sup>®</sup> XM\* impregnated with unsaturated polyester resin

Mechanical properties	unit	value	test method
Flexural strength	MPa	8,5	ASTM D790
Flexural modulus	MPa	1250	ASTM D790
Tensile strength across layers	MPa	4	ASTM C297
Compression strength: 10% strain	MPa	10	ISO 844
Shear strength	MPa	3	ASTM C273-61
Shear modulus	MPa	25	ASTM C273-61
*Lantor Coremat <sup>®</sup> XM 3			

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