

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.

The information contained in this document has been compiled in good faith by Lantor BV, but nevertheless no representation or warranty is given as to the accuracy or completeness of the (technical) information provided herein. Lantor BV can not be held liable of any damages arising from any (printing) errors or omissions in this information. Lantor BV reserves the right to make changes with respect to the information provided at any time without further notice.

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 ²	0,8	1,2	1,8	2,4	3,0
Dry weight	g/m ²	45	55	80	105	125
Density impregnated	kg/m ³	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			

Information

PO box 45 - 3900 AA
Verlaat 22 - 3901 RG
Veenendaal
The Netherlands
T +31 (0)318 537 111
composites@lantor.com

committed to the core
www.lantor.com

