

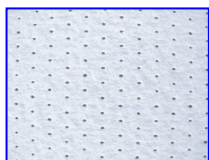
# Lantor Composites® product range

Lantor Composites offers core products for a wide range of composites processes like hand-lay-up, spray processes, vacuum infusion and RTM(L)

## Coremat®

Coremat is polyester nonwoven that contains microspheres. Coremat can be used as a thin core (bulker mat) or as a print blocker (liner) in fibre reinforced laminates, manufactured in hand lay-up or spray processes.

**Coremat Xi** is the world standard for bulker mats. The Coremat resin consumption is about 600 grams per mm thickness. It contains a blue colour change resin indicator.



Coremat Xi is very soft and pliable when impregnated and is therefore very suitable for complex shapes.

*Coremat Xi is available in thicknesses of 1, 2, 3, 4 and 5 mm.*

**Coremat XM** is the premium core product for hand lay-up processes and has a low resin uptake: 500 grams of resin per mm thickness. It is therefore suitable for weight critical applications. The hexagonal cell



pattern results in a very consistent thickness in the product. XM has a high wet tensile strength and is therefore often used in applications where mats are pre-impregnated outside the mould. *Coremat XM is available in thicknesses of 2, 3, 4 and 10 mm.*

## Soric®

Soric is a polyester nonwoven material with a compression resistant cell structure. Soric can be used in closed mould processes like vacuum infusion, RTM light, RTM etc. Because of the unique properties and characteristics, Lantor Soric can be used as a thin core, as an interlaminar flow medium and as print blocker (Soric TF).

**Soric SF** is the general purpose grade, balancing resin flow and surface quality. Soric SF is therefore especially suitable for



thinner laminates. *Soric SF is available in thicknesses of 2 and 3 mm.*

**Soric XF** maximises weight reduction in structural core applications. Soric XF offers the fastest resin flow for the lowest resin



consumption and is therefore ideal for thicker laminates. *Soric XF is available in thicknesses of 2, 3, 4, 5 and 6 mm.*

**Soric TF** is the ideal product for the most demanding cosmetic and surface finish requirements.



Soric TF can be used as a core and also as a print blocker for infused laminates. *Soric TF is available in thicknesses of 1.5, 2 and 3 mm.*

Development product:

**Soric LRC** is the latest development in the Soric grades and is a special grade for Low Resin



Consumption and is therefore suitable in weight critical laminates.

*Soric LRC (development grade) is available in thicknesses of 1.5, 2 and 3 mm.*

## Finishmat®

Finishmat is the Lantor range of surfacing veils for the composite industry. Finishmat products are used to improve cosmetics, to reduce the abrasion of moulds of to enhance the chemical resistant.

**Finishmat D7760** is a needled felt made of polyacrylonitrile fibres. It prevents fibre print through from glass fibres and by creating a resin rich layer it can also help prevent water osmosis.



**Finishmat 6691 SL / LL** is a chemical bond, polyester tissue. 6691 veils are used in filament winding and pultrusion processes. They create a smooth, resin rich layer, which serves as a chemical barrier and creates a smooth surface finish.



*6691 SL weighs 20 g/m<sup>2</sup> and 6691 LL weighs 40 g/m<sup>2</sup>.*

## Lantor Coremat in bus parts

Fiberbus Brazil builds various bus parts, using spray-up, hand lay up and RTM Light production processes. In their open mould production they use Lantor Coremat to create extra stiffness in i.e. stairs, bus front-covers or parts where they need extra thickness for screwing in handle bars and grips.

**Customer:**

Fiberbus  
Brazil

**Lantor Coremat is used:**

- to create thickness for screwing parts onto
- to create overall stiffness

**Laminate build-up:**

- gelcoat
- CSM
- Coremat Xi
- CSM

**Production technology:**

Hand Lay Up

**Resin used:**

Polyester resin



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