

TACKIFIED fabrics

Reinforcements with a 'put-in-place' low-tack adhesive for vacuum infusion

The SGTF Composites range of reinforcements are now available in TACKIFIED form with a light coating of adhesive on one or both sides. This enables the laminator to position the dry fabrics onto a vertical mould surface, and they will remain in place. If not in exactly the correct position, they can be pulled off and re-stuck again.

SGTF have worked with a major adhesive manufacturer to ensure that our adhesive system is compatible with the resins that our customers are using. The **unique and patented SGTF system** has a number of advantages over other fixing systems:

- **no release paper is required**, eliminating the time-consuming process of removal and disposal
- **the adhesive stays on the fabric**, not on the mould surface or operator's gloves
- **the fabric can be unstuck and repositioned** easily

Other advantages of the adhesive system used are:

- the adhesive layer is very light, is very evenly dispersed, and has minimal effects on the laminate properties
- the adhesive is NOT effected by water - it is neither hydrophilic nor hydrophobic
- the adhesive is NOT an irritant, and is non-toxic
- the adhesive has a wide working temperature regime - unlike hot-melt systems, it is not effected by a workshop being too hot or too cold

Which applications can benefit from TACKIFIED fabrics?

Any moulding with sloping or vertical surfaces will benefit, so this includes not just boat hulls but many forms of transportation and large industrial mouldings.

- for infusion
- for RTM
- for RTM-lite

The benefits are not in the end-component, instead they are in the ease of processing. The moulder can lay down all their reinforcements, including a core, and they will remain in position until the vacuum bag or top mould is in place and the component is infused or injected.



If not in the correct position ...



... just peel off ...



... and tack down again.

TACKIFIED fabrics (con'd)

Which products are available TACKIFIED?

All of the reinforcements in the SGTF Composites range are available in TACKIFIED form. The comprehensive range includes:

Woven Roving and combinations
Multiaxials and combinations
Unidirectionals
Carbon - multiaxial, woven and unidirectional
Aramid - multiaxial and woven
3D reinforcements for closed-mould applications:
MULTIMAT
MULTIMAT-LITE
MULTICORE
MULTIFILO
Speciality chopped mats (stitched, needled, or powdered)

What system options are available?

Currently just one adhesive system is available, with 50% coverage as standard. The product designation is as follows:

TACKIFIED on 1 side - **Product reference then TF1P**
TACKIFIED on both sides - **Product reference then TF2P**

NOTES:

1. Other amounts and forms of coverage are available
2. The user should state which surface needs to be TACKIFIED

Without liability! 12/05


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