



INFUSION REVOLUTION

Wet layup has seen its days. It is on its way out, due to new regulations about COVs, but also because of its high labour cost and quality control limitations.

RESOLTECH believes the answer is resin infusion rather than new developments in low temperature prepregs. Prepregs will always be costly to transport, store and cure. Infusion fits all ends of the composite market, with resin contents as low as 37% and high tech epoxy and vinylester matrix systems with a viscosity as low as 160mPas.

RESOLTECH even solved the problem of infusing over a gelcoat, with its special tie-coat that lets you use your favourite polyester gelcoat and yet infuse a week later.

To find out how your production can relate to infusion technology, the best way is to obtain a computer simulation of the infusion of your laminates.

Infusion is the perfect solution for structures such as windmill blades, production power ans sail boats, moulds and injection pre-production trial runs. It solves the problems of COVs emission while improving economics and quality control.

THE FULL RANGE?

To find out what RESOLTECH can do for you, log on www.resoltech.com and download the TechNotes #1 called "Resolving your engineering challenges" (pdf file, 218kb).

You will be able to browse through the range of materials and services available from RESOLTECH.



EPOXY LOVES WATER

We were always told that epoxy should not be used in damp conditions.... That was true until RESOLTECH brought water based epoxy systems on the market. These epoxy coatings use water as a solvent and contain a high proportion of solid extracts. They are available as primers, waterproofing systems, wood treatments and floor paints. Needless to say, you do not have to worry about the moisture level of the surface to coat before you start mixing the hardener....

GAUDI'S MASTERPIECE

Barcelona's historic landmark, the Sagrada Familia, was started in 1884 and is probably the last cathedral to still be under construction today . Synergy3D built several columns of very complex shapes using their CNC technology and Resoltech solutions.

Cathedrals have always called on the latest technology available for their engineering and construction. The trend continues and would certainly have been to Antonio Gaudi's taste. Yet another example of Resoltech's versatility.

DRY FABRICS

The complement to the resin systems, a range of woven fabrics is available in glass, aramid, carbon as well as hybrid constructions, from 48g to 3000g/M2.

RESOLTECH also supplies unidirectional and stitched multiaxial reinforcements, as well as peel ply at an affordable cost. Suitable for wet layup, infusion and injection.



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ADVANCED TECHNOLOGY RESINS

Resolving your engineering challenges

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