



PRF
Composite Materials



PREPREG™

New thinking on prepreg materials

- Innovative range of prepreg systems, designed to suit your manufacturing needs
- Visual quality, toughened, low temperature, snap cure, tooling, unidirectional prepreg and more
- A wide range of fabric options, supported by over 35 years' experience working with technical textiles
- Outstanding customer feedback received on the quality of materials, handling and finish in both tools and components
- Short lead times – from our manufacturing line to you in 2–3 weeks*

*for standard systems and fabrics

*Contact our team for more information
or to arrange a material sample today:*

(+44) (0)1202 680022 | enquiries@prfcomposites.com

Doing things differently

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PREPREG™

Highlights from our range of innovative epoxy prepreg systems:

› RP442

Low temperature prepreg with a longer out life.

› RP542-1

Mid-temperature component prepreg with superb surface finish.

› RP542-4

Intermediately toughened system for woven and unidirectional materials.

› RP549

Highly toughened prepreg with a Tg of 214°C (DMA) and excellent mechanical properties.

› RP570 eXpress cure

A true snap cure prepreg, with a complete processing time of 4 minutes.

› RP570 FR eXpress cure

Formulated for structural components requiring FST properties, RP570 FR is cured and demouldable after 5 minutes at 160°C.

Doing things differently

Our class-leading range of epoxy tooling prepreg systems

› RP800

Outstanding tooling prepreg providing excellent quality with an 8 hour cure at 50°C and an out life of 5 days at 20°C

› RP801

Our high quality, industry-standard tooling system, with a cure cycle of 8 hours at 60°C and a tack life of 5 days at 20°C.

› RP802

This system doubles the tack life (10 days at 20°C) of RP800 or RP801, and has a 16 hours cure at 60°C or 8 hours at 70°C. The extended tack life and out life provides significant opportunities and cost savings over conventional tooling systems during manufacturing.

› RP803 Winter version

Providing a mid-range solution between our RP801 and RP802, RP803 has a cure cycle of 12 hours at 60°C or 6 hours at 70°C with a tack life of 7 days at 20°C.

Receiving outstanding customer feedback



We've never had moulds this good!

Kevin Emmett, Technical Director, Supernatural-x
On PRF's RP800 tooling prepreg



We selected PRF's RP570 for its excellent surface finish.

Peter Byron, Senior Manufacturing Engineer, Gentex



We are all really happy with the result, brilliant clarity with the weave pattern and very uniform.

John Feay, Composite Engineering Manager, Jeremy Rogers Limited
On PRF's 200gsm 2/2 twill visual quality carbon prepreg

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Introducing...

Q.TOOL

UK PATENT PENDING

***Groundbreaking tooling prepreg system
designed, developed and manufactured by PRF.***

**Q.tool significantly reduces the time and costs of tool manufacture,
with its uniquely designed surface and 1020 bulk plies.**

Using our class-leading RP800 epoxy tooling system, the combination of Q.tool's new surface and 1020g/m² bulk plies provides the same weight and thickness as the 1:8:1 system, and significantly reduces the number of debulks to as few as one.

Q.tool offers the constructor:

- › Up to 50% reduction in labour time
- › Reduced number of debulks
- › Improved sustainability and cost savings with reduced use of plastic consumables
- › Exceptional drapeability and surface finish

Contact our team for more information on Q.tool and our wider range of innovative prepreg systems.

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Doing things differently