Prepregs
INTRODUCTION

Gurit’s long history supplying prepregs to the wind energy, transportation and marine industries has allowed Gurit to lead the way by introducing the next generation of prepregs, specifically designed to make component manufacture faster, easier and cheaper.

Pre-impregnated materials (prepregs) are reinforcement fibres or fabrics into which a pre-catalysed resin system has been impregnated by a machine. The resin systems in these materials react only very slowly at room temperature, allowing a long shelf life and are cured by heating them to the prescribed elevated temperature.

**Gurit’s Prepreg offering is grouped into:**

**PERFORMANCE / HIGH PERFORMANCE PREPREGS**
Structural prepreg technology for faster, easier and cheaper large-scale composite components.

**INDUSTRIAL PREPREGS**
Structural Industrial prepreg technology for faster, easier and cheaper large-scale composite components.

**PREPREG PRODUCTS NAMING CONVENTION**
Gurit’s comprehensive prepreg offering has six main product formats aimed at out of autoclave processing:

- Epoxy Prepreg (SE or WE)
- SPRINT™ (ST or WT) Film Infusion Technology
- SparPreg™ UD Glass & Carbon Prepreg Solution
- Surfacing Films (SF)
- Film Adhesives (SA)
- Mono-component Pastes (SP)
<table>
<thead>
<tr>
<th>FORMAT</th>
<th>SYSTEM</th>
<th>MAIN FEATURES</th>
<th>LOGEST CURE</th>
<th>FASTEST CURE</th>
<th>TOUGH-ENED</th>
<th>RECOMMENDED PROCESSING METHOD</th>
<th>Max Tg1 BY DMA (°C)</th>
<th>SHELF-LIFE</th>
<th>3RD PARTY CERTIFICATIONS / QUALIFICATIONS</th>
<th>TYPICAL APPLICATIONS</th>
<th>TYPICAL REINFORCEMENTS</th>
<th>ANCILLARY PRODUCTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepreg</td>
<td>SE84LV</td>
<td>~ Versatile high-strength prepreg system</td>
<td>80</td>
<td>12</td>
<td>120</td>
<td>60</td>
<td>Yes</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>115</td>
<td>24</td>
<td>56</td>
<td>DNV-GL approved: - UD carbon prepreg - Bias carbon Prepreg Lloyd’s approved: - UD carbon prepreg - Bias / woven carbon Prepreg</td>
<td>High performance light-weight, high-stress structures – around the world yacht hulls and decks</td>
</tr>
<tr>
<td>SPRINT</td>
<td>ST94</td>
<td>- Drape and tackiness optimised for excellent handling</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>45</td>
<td>Yes</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>115</td>
<td>24</td>
<td>21</td>
<td>DNV-GL approved: - Bias / quad carbon SPRINT™ - Bias / woven E-glass SPRINT™</td>
<td>Ideal for large structures where heavyweight materials need to remain in the mould for long durations prior to curing</td>
</tr>
<tr>
<td>SPRINT</td>
<td>ST95</td>
<td>- Drape and tackiness optimised for excellent handling</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>60</td>
<td>Yes</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>125</td>
<td>24</td>
<td>21</td>
<td>DNV-GL approved: - Bias / woven E-glass SPRINT™ - Bias / woven carbon SPRINT™</td>
<td>High volume industrial grade toughened SPRINT™ material</td>
</tr>
<tr>
<td>SPRINT</td>
<td>ST 110</td>
<td>~ Drape and thickness optimised for excellent handling</td>
<td>85</td>
<td>10</td>
<td>130</td>
<td>30</td>
<td>No</td>
<td>Autoclave Vacuum Bagging</td>
<td>115</td>
<td>24</td>
<td>14</td>
<td>Body and closure panels for automotive applications</td>
<td>Carbon E-Glass</td>
</tr>
<tr>
<td>Prepreg</td>
<td>SC 110(T2)</td>
<td>~ White spot free high clarity resin for cosmetic parts</td>
<td>85</td>
<td>10</td>
<td>150</td>
<td>20</td>
<td>No</td>
<td>Autoclave Press Moulding</td>
<td>125</td>
<td>12</td>
<td>21</td>
<td>Ideal for high visual quality components without white-wash or white spots</td>
<td>Carbon E-Glass</td>
</tr>
<tr>
<td>Prepreg</td>
<td>SC 160</td>
<td>~ Class leading resin clarity</td>
<td>130**</td>
<td>1.5</td>
<td>160</td>
<td>15</td>
<td>Yes</td>
<td>Autoclave Press Moulding</td>
<td>180</td>
<td>12</td>
<td>21</td>
<td>Suitable for use in high temperature applications</td>
<td>Carbon</td>
</tr>
<tr>
<td>Prepreg</td>
<td>Smartwave™</td>
<td>~ Rapid cure in less than 5 minutes</td>
<td>130</td>
<td>15</td>
<td>150</td>
<td>5</td>
<td>Yes</td>
<td>Press Moulding</td>
<td>175</td>
<td>18</td>
<td>56</td>
<td>High volume component manufacture KTL capable</td>
<td>Carbon</td>
</tr>
<tr>
<td>Prepreg</td>
<td>Sparpreg™</td>
<td>~ Lloyd's approved UD carbon prepreg</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>45</td>
<td>No</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>125</td>
<td>24</td>
<td>60</td>
<td>DNV-GL approved: - UD carbon prepreg - UD E-glass prepreg</td>
<td>High quality monolithic unidirectional Components that require fast single shot production in thick sections</td>
</tr>
<tr>
<td>Prepreg</td>
<td>WE 91-1</td>
<td>~ High tack epoxy prepreg</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>45</td>
<td>No</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>125</td>
<td>24</td>
<td>21</td>
<td>DNV-GL Approved: - Bias E-glass prepreg</td>
<td>Large Structural components such as wind turbine blade shells and shear webs</td>
</tr>
<tr>
<td>Prepreg</td>
<td>WE 91-2</td>
<td>~ Medium tack epoxy prepreg</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>45</td>
<td>No</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>125</td>
<td>24</td>
<td>21</td>
<td>DNV-GL Approved: - Bias E-glass prepreg</td>
<td>Large Structural components such as wind turbine blade shells, spar and roots</td>
</tr>
<tr>
<td>SPRINT</td>
<td>WT 93</td>
<td>~ Low tack epoxy SPRINT™</td>
<td>85</td>
<td>10</td>
<td>120</td>
<td>45</td>
<td>No</td>
<td>Autoclave Press Moulding Vacuum Bagging</td>
<td>125</td>
<td>24</td>
<td>21</td>
<td>DNV-GL Approved: - Bias E-glass prepreg</td>
<td>Large Structural components such as wind turbine blade shells, spar and roots</td>
</tr>
</tbody>
</table>

* 3rd party certifications are format specific. Please contact Gurit Technical Support for further information.
** Will require post cure to maximise thermal properties, please refer to TOL.
SE 84LV
Toughened Epoxy Prepreg

- Curable at temperatures as low as 80°C
- Lloyds and DNV-GL approved
- Versatile, high-strength prepreg system
- Low viscosity - Ideal for use with heavy fibre weights

SE 84LV is an exceptionally versatile hot-melt, epoxy prepreg. It can be cured at temperatures as low as 80°C, or for faster moulding of components at 120°C. This is achieved with an extremely good out-life of up to 8 weeks at 18-22°C. SE 84LV is a toughened system, and offers excellent mechanical properties on a wide variety of reinforcing fabrics and fibres and is commonly used in vacuum bagging, press-moulding, autoclave and other pressure moulding processes. SE 84LV is a low viscosity system used with heavy fibre weights where low-flow processing conditions (vacuum bag pressure and minimum cure temperature), are likely to be used. With its high compressive strength it is widely used in large heavily loaded components, such as yacht hulls, and spars.

TYPICAL APPLICATIONS
SE 84LV has been selected for use by various America’s Cup syndicates and boats racing in the Volvo Ocean Race. SE 84LV is widely used in sandwich structures with honeycomb, foam and balsa cores, primarily with the toughened SA 80 Adhesive Film.

ST 94
Single-sided SPRINT™

- Drape and tackiness optimised for excellent handling
- Ideal for complex or vertical mouldings
- Excellent balance of mechanical performance and toughness

ST 94 is a tough hot-melt, epoxy resin that offers an extremely good balance of mechanical properties. It has been formulated to give an ideal tack level at workshop temperature. It is ideal for structural components where improved impact performance and resistance to resin microcracking is desired.

TYPICAL APPLICATIONS
Ideal for large structures where heavyweight materials need to remain in the mould for long durations prior to curing.

ST 95
Toughened Structural SPRINT™

- Extremely low void content
- Drapeable and conformable
- Excellent laminate quality
- Can be processed with vacuum-only processing
- Variable cure temperature (85-120°C)
- No debulk necessary between plies
- DNV GL Approved

ST 95 is a toughened hot-melt, epoxy resin that offers an extremely good balance of mechanical properties. It has been specially formulated to maximise the outlife of SPRINT™ products at room temperature. It is ideal for structural components where improved impact performance and resistance to resin microcracking is desired.

TYPICAL APPLICATIONS
Ideal for making general, structural items for automotive, marine and industrial applications.

ST 110
Car Body Panel System SPRINT™ Resin

- Drape and thickness optimised for excellent handling
- Ideal for complex or vertical mouldings
- Excellent balance of mechanical performance and toughness
- Suitable for autoclave and vacuum bag processing

ST 110 is used alongside a suitable surfacing film (SF 80, SF 95VH, SF 80FROBL or SF 98) and SY 110 Syntactic Core to build up a CBS panel. The woven carbon and glass reinforcements can be used to lay up various panel combinations to suit the required stiffness and weight targets needed.

TYPICAL APPLICATIONS
Structural ST 110 is used to form a multi layered material referred to as CBS Car Body SPRINT™ for body and closure panels for automotive applications.
**SC 160 (T2)**  
Cosmetic Carbon Prepreg

- Ultra high clarity – ideal for cosmetic components with no white-wash or spots
- High-strength prepreg system
- Versatile process window with autoclave and press moulding
- Curable at temperatures as low as 80°C
- Fast 45 min cure at 120°C
- Rapid 20 min cure at 150°C in a press
- Excellent tack allowing easy in-mould repositioning

SC 110(T2) is ideally suited to achieve visual surface quality. This cosmetic grade prepreg utilises a high clarity, versatile, hot-melt epoxy resin formulation. This specifically developed, unique formulation produces truly white-wash-free parts resulting in increased production output and scrap cost savings of up to 20%. SC 110(T2) can be cured at temperatures as low as 80°C or even faster cures are achievable using press moulding technologies at temperatures up to 150°C. DUV SE Accelerated Weathering Test has revealed that Gurit SC 110(T2) carbon prepreg offers superior weathering performance compared with the current market range.

**TYPICAL APPLICATIONS**

Gurit’s SC 110(T2) is suitable for automotive applications where a high clarity finish is required.

---

**SC 160**  
Cosmetic Carbon Prepreg

- Ultra-high clarity prepreg system
- Ideal for visual components
- Autoclave cure offers 180°C (356°F) Tg
- Rapid press moulding
- Curable at temperatures as low as 130°C (266°F)
- High tack and drape allowing easy in-mould repositioning

SC 160 is a visual grade prepreg that utilises a high clarity, versatile, hot-melt epoxy resin formulation. The unique formulation is ideal for manufacturing visual quality components using autoclave and press moulding. It can be cured at temperatures as low as 130°C (266°F), or it can be used for rapid press moulding of components at 160°C (320°F). A maximum resin Tg of 180°C (356°F) can be achieved from an autoclave cure. The product has high tack which aids the moulding of complex components in metal and carbon tooling, whilst maintaining a good out-life of up to 3 weeks at 21°C (70°F). SC 160 is a toughened system and offers excellent mechanical properties on a wide variety of reinforcing fabrics and fibres.

**TYPICAL APPLICATIONS**

SC 160 is suitable for interior and exterior automotive applications where a high clarity finish is required in conjunction with a high Tg.

---

**Smartcure™**  
5 minute Curing Prepreg

- Epoxy Prepreg Optimised for Press Moulding Applications
- Developed for Automotive Component Production
- Good Surface Finish
- Net Shape Components
- Hot-in, Hot-out Press Processing
- 5 Minute Cure Time at 150°C

Smartcure™ Prepreg has been specifically developed for high volume press moulding applications and enables users to perform cycle times of 5 minutes.

The product characteristics facilitate simple preforming prior to moulding and the ability to fill edged detail during moulding, allowing net shaped parts to be manufactured.

**TYPICAL APPLICATIONS**

High volume component manufacture. KTL capable.

---

**SparPreg™**  
Unidirectional epoxy prepreg

- UD prepreg ideal for use in thick sections
- Available with glass or carbon fibre
- Excellent mechanical properties
- Out-of-autoclave curing
- Excellent handling & processing properties during lamination
- Recommended cure between 85°C / 185°F and 120°C / 250°F

SparPreg™ was developed to benefit the lay-up of thick UD sections, such as wind turbine blade spars. The material can produce thick laminates of exceptional quality with low void content, without the need for an intermediary debulking process or additional dry fabric reinforcement to aid air removal. The net result enables blade manufacturers to eliminate production steps and redundant materials and increase capacity.

SparPreg™ has been specially formulated to achieve the outstanding in-cure and mechanical performance of the WE 91 prepreg and WT 93 SPRINT™ resin systems. SparPreg™ can be cured at temperatures as low as 85°C / 185°F, but can also be used for the rapid manufacture of components at 120°C / 250°F.

**TYPICAL APPLICATIONS**

SparPreg™ is an advanced UD prepreg, developed to enable the economic manufacture of unidirectional spar caps for more demanding blade designs, ideal for use in conjunction with other Gurit products.
WE 91-1 / WE 91-2
High flow epoxy prepregs

- High flow epoxy resin matrix
- High (WE 91-1) and medium (WE 91-2) tack prepreg
- Long ambient shelf-life - up to 2 months

Gurit’s WE 91 prepreg product range comprises of two tack variants; WE 91-1 high tack and WE 91-2 medium tack prepregs. WE 91 is a high flow epoxy prepreg ideally suited to structural composite component manufacture. It can be cured at temperatures as low as 85°C / 185°F, but can also be used for the rapid manufacture of components through its 45-minute cure at 120°C / 250°F. All of this can be achieved together with an out-life of 60 days at 21°C / 70°F. WE 91 is designed for vacuum bag processing and offers excellent mechanical performance on glass and carbon fibre reinforcements.

TYPICAL APPLICATIONS
Technically and commercially competitive engineering materials.

WT 93
Low tack epoxy SPRINT™

- WT 93 low tack SPRINT™ resin matrix
- Good out-life at 21°C / 70°F
- Cure from 85°C - 120°C / 185°F - 250°F
- Dry fabric enables efficient air evacuation
- Suitable for automated lay-up
- Excellent laminate quality with low void content

INTRODUCTION
WT 93 is part of Gurit’s comprehensive offering of structural composite product solutions comprising of 3 main product groups; Prepreg, SPRINT™ and SparPreg™. This unique product range provides technically and commercially competitive engineering materials, ideal for use either solely, or in conjunction with other Gurit products from within the range. WT 93 can be cured at temperatures as low as 85°C / 185°F, but can also be used for the rapid manufacture of components through its 45-minute cure at 120°C / 250°F. All of this can be achieved together with an out-life of 21 days at 21°C / 70°F. WT 93 is designed for vacuum bag processing and offers excellent mechanical performance on glass and carbon fibre reinforcements.

TYPICAL APPLICATIONS
Gurit’s innovative WT 93 SPRINT™ product range uses a high flow, low tack epoxy prepreg ideally suited to the manufacture of thick sections such as turbine blade roots or spars.
# GURIT’S RANGE OF ANCILLARY PRODUCTS

## MONOCOMPONENTS

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>MAIN FEATURES</th>
<th>LOUEST CURE</th>
<th>FASTEST CURE</th>
<th>RECOMMENDED PROCESSING METHOD</th>
<th>MAX Tg, BY DMA (°C)</th>
<th>SHELF-LIFE</th>
<th>DENSITY (g/cm³)</th>
<th>TYPICAL APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 11100</td>
<td>¬ Co-curable with prepreg systems ¬ Compatiblity of handing and processing ¬ Ideal for core splicing and gap filling</td>
<td>70 16 N/A N/A</td>
<td>75 12 20 0.75</td>
<td>Autoclave Pressed Vacuum Bagging</td>
<td>75 12 20</td>
<td>0.75</td>
<td>Core splicing for use with 70°C prepregs systems Low temperature</td>
<td>12</td>
</tr>
<tr>
<td>SP 4832</td>
<td>¬ Co-curable with prepreg systems ¬ Compatiblity of handing and processing ¬ Ideal for core splicing and gap filling</td>
<td>80 12 N/A N/A</td>
<td>85 24 20 0.7</td>
<td>Autoclave Pressed Vacuum Bagging</td>
<td>85 24 20</td>
<td>0.7</td>
<td>Core splicing for use with 80°C prepregs systems Low density, elevated temperature</td>
<td></td>
</tr>
<tr>
<td>SP 9435</td>
<td>¬ Co-curable with prepreg systems ¬ Compatiblity of handing and processing ¬ Ideal for core splicing and gap filling</td>
<td>85 12 120 60</td>
<td>95 12 84 0.75</td>
<td>Autoclave Pressed Vacuum Bagging</td>
<td>95 12 84</td>
<td>0.75</td>
<td>Core splicing and to stop bridging of prepregs High temperature</td>
<td></td>
</tr>
</tbody>
</table>

## FILM ADHESIVES

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>MAIN FEATURES</th>
<th>LOUEST CURE</th>
<th>FASTEST CURE</th>
<th>RECOMMENDED PROCESSING METHOD</th>
<th>MAX Tg, BY DMA (°C)</th>
<th>SHELF-LIFE</th>
<th>TOUGHENED</th>
<th>TYPICAL APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA 80</td>
<td>¬ Consistent bond-line thickness and weight ¬ High strain to failure, high toughness ¬ Handling &amp; no mixing convenience</td>
<td>80 12 120 60</td>
<td>100 24 56 Yes</td>
<td>Autoclave Pressed Vacuum Bagging</td>
<td>100 24 56</td>
<td>Yes</td>
<td>Co-cure with 80°C prepregs for core and high strength adhesive bonding applications</td>
<td>12</td>
</tr>
</tbody>
</table>

## SURFACING FILMS

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>MAIN FEATURES</th>
<th>LOUEST CURE</th>
<th>FASTEST CURE</th>
<th>RECOMMENDED PROCESSING METHOD</th>
<th>MAX Tg, BY DMA (°C)</th>
<th>SHELF-LIFE</th>
<th>TOUGHENED</th>
<th>TYPICAL APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF 80</td>
<td>¬ Surface film to generate a resin rich surface ¬ Suitable for subsurface applications ¬ Available in different colours</td>
<td>80 12 120 60</td>
<td>100 24 14 Yes</td>
<td>Autoclave Pressed Vacuum Bagging</td>
<td>100 24 14</td>
<td>Yes</td>
<td>Co-cure with 80°C prepregs for resin rich surface</td>
<td>13</td>
</tr>
<tr>
<td>SF 96</td>
<td>¬ Pinhole free surface for the easy application of paint systems</td>
<td>85 10 120 60</td>
<td>115 24 5 No</td>
<td>Autoclave Vacuum Bagging</td>
<td>115 24 5</td>
<td>No</td>
<td>Co-cure with 85°C prepregs for resin rich surface ideal for sanding / priming prior to painting</td>
<td>13</td>
</tr>
<tr>
<td>SF 95VH</td>
<td>¬ Silicon Carbide filled film to generate very hard wearing surfaces</td>
<td>85 10 120 60</td>
<td>130 24 3 Yes</td>
<td>Autoclave Vacuum Bagging</td>
<td>130 24 3</td>
<td>Yes</td>
<td>Ideal for applications that require a highly toughened system such as car body undertrays</td>
<td>14</td>
</tr>
</tbody>
</table>

## SYNTACTIC CORE

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>MAIN FEATURES</th>
<th>LOUEST CURE</th>
<th>FASTEST CURE</th>
<th>RECOMMENDED PROCESSING METHOD</th>
<th>MAX Tg, BY DMA (°C)</th>
<th>SHELF-LIFE</th>
<th>TOUGHENED</th>
<th>TYPICAL APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SY 110</td>
<td>¬ Lightweight, drapable core material ¬ Available at 0.7 and 1.0mm thickness</td>
<td>85 10 130 30</td>
<td>110 12 56 No</td>
<td>Vacuum Bagging</td>
<td>110 12 56</td>
<td>No</td>
<td>Produces ultra light and stiff panels</td>
<td>14</td>
</tr>
</tbody>
</table>
SP 11100, SP 4832, SP 9435
Monocomponent Fillers

- Co-curable with prepreg systems
- Compatibility of handling and processing
- Ideal for core splicing and gap filling

SP 11100 - for use with 70°C Prepreg systems
SP 4832 - for use with 80°C Prepreg systems, low density
SP 9435 - for use with 85°C Prepreg systems, high density for high temperature applications

TYPICAL APPLICATIONS
Core splicing for use with 70°C - 85°C Prepreg systems.

SA 80
Toughened Epoxy Film Adhesive

- Low temperature cure
- Designed for bonding prepreg skins to honeycomb and certain foam cores
- Controlled flow for maximum bond integrity
- Toughened for impact resistance and peel strength

SA 80 is a film adhesive that is designed for secondary bonding, core-bonding and for co-curing with the range of Gurit prepregs. It can be cured at temperatures as low as 80°C, or can be more quickly cured at temperatures above 120°C. It has an out-life of 96 days at room temperature.

TYPICAL APPLICATIONS
Suitable for bonding aluminum, foam and honeycomb cores in conjunction with Gurit’s range of Prepreg or Ampreg laminating systems. See individual Technical Datasheets for further information.

PACK SIZES & AVAILABILITY
SA 80 is available in weights up to 300g resin films with or without a glass carrier.
*150 and 250g only

SF 80
Toughened Surfacing Film

- Toughened System
- Protects underlying laminate
- Reduction in surface film-laminate interfacial voids
- Improved resistance to water ingress
- Suitable for post painting

SF 80 surfacing material is a light green, toughened, epoxy film designed to enhance the surface finish of moulded composite components. It allows a good surface finish to be obtained by vacuum-bag moulding processes. It can be used directly against a suitably release treated mould surface, with prepreg or SPRINT™ plies laid up behind it. When fully cured with SPRINT™ or prepreg, SF 80 forms a stable tough surface which can be sanded in preparation for painting. The epoxy system is supplied ready impregnated into a supporting medium and ready catalysed, requiring only a moderate temperature cure.

TYPICAL APPLICATIONS
Co-cure with 80-120°C prepregs for resin rich surface.

SF 96
Sandable Surfacing Film

- Easy to sand
- Significant reduction in print-through
- Reduction in surface film-laminate interfacial voids
- Stable surface up to 115°C (depending on cure)
- Improved opacity

SF 96 surfacing material is an epoxy film designed to enhance the surface finish of moulded composite components. It allows a good surface finish to be obtained by vacuum-bag moulding processes. It can be used directly against a suitably release treated mould surface, with prepreg or SPRINT™ plies laid up behind it. When fully cured with SPRINT™ or prepreg, SF 96 forms a stable sandable surface which, once lightly sanded to provide a key for painting, provides a pin-hole free laminate. The epoxy system is supplied ready impregnated into a supporting medium and ready catalysed, requiring only a moderate temperature cure.

TYPICAL APPLICATIONS
Co-cure with 85°C prepregs for resin rich surface ideal for sanding / priming prior to painting.
SF 95VH
Abrasion-Resistant Surfacing Film

- Hard protective coating
- Increases surface longevity by up to 300%
- Reduction in surface film laminate interfacial voids
- Improved opacity

SF 95VH surfacing material is a very hard, abrasion-resistant epoxy film. It is designed to protect vulnerable underbody components from damage caused by foreign objects. Typical applications include inner wings, and front wheel diffusers. SF 95VH can be used directly against a suitably release treated mould surface, with prepreg or SPRINT™ plies laid up behind it, or as a final layer in the mould. It can be cured with vacuum only processing. Due to abrasion-resistance of this material, it would not be usual to apply a paint finish. The epoxy system is supplied ready impregnated into a supporting medium and ready catalysed, requiring only a moderate temperature cure.

TYPICAL APPLICATIONS
Ideal for applications that require a highly toughened system such as car body undertrays.

SY 110
Low Density Syntactic Core

- Lightweight drapable core material
- Produces ultra-light and stiff panels
- Wide process window; curing from 85-130°C (185-266°F)
- Available at 0.7mm and 1.0mm thickness

SY 110 is a lightweight, drapable core material that is designed to be co-curable with most Gurit Epoxy Prepreg and SPRINT™ materials, to produce ultra-light and stiff panels.
TECHNICAL INFORMATION AND PRICING

For more detailed information on performance and structural prepreg materials, as well as the complete Gurit product portfolio, please visit: www.gurit.com to view the following:

¬ Product Data Sheets
¬ Product Brochures
¬ News / Case Studies
¬ Composite Guides
¬ Events Schedules
¬ Representatives Contact Details

For pricing or other enquiries, please contact customer.support@gurit.com