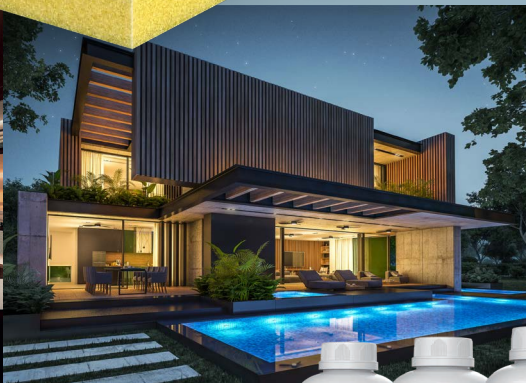
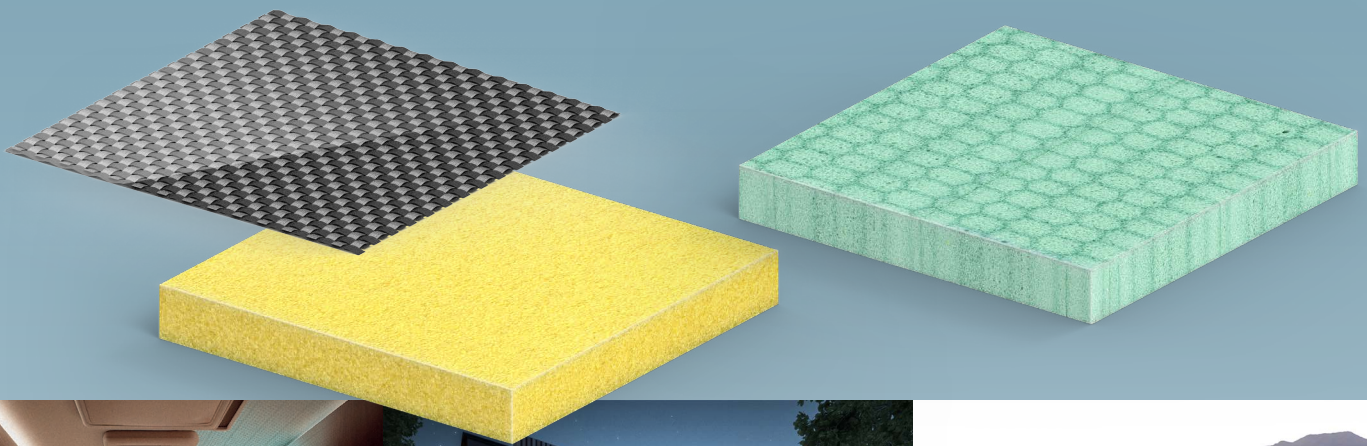


# GURIT PRODUCT CATALOGUE COMPOSITE MATERIALS

Asia Pacific Region - March 2024



WITH PASSION FOR A SUSTAINABLE FUTURE.

## About Gurit



Gurit is a leading global manufacturer of advanced composite materials. Gurit integrates structural design, materials science and process engineering to offer a complete turnkey composite solution.

Gurit is specialised in the development and manufacture of advanced composite materials. The comprehensive product range comprises fibre reinforced prepregs, structural core products, process coats, adhesives and laminating resins. Gurit supplies global growth markets with composite materials, composite tooling equipment, core material wind turbine blade kits and structural engineering with production sites and offices around the world (refer back page for map).

This catalogue provides information on our core, prepreg, and formulated product portfolio of the Marine and Industrial Business Unit and the availability of products stocked in Australia, New Zealand and South East Asia. Products from the Wind Business Units are not covered in this catalogue.

## How to use this Product Catalogue

Each individual product code is categorised as one of the following:

**AU** = stocked in Australia only

**NZ** = stocked in New Zealand only

= specialist items, contact your local customer support team for availability

Brief descriptions of each product and product group are given throughout to facilitate product selection, with full information on any product obtainable from the relevant technical datasheet. These are available on the Gurit website, [www.gurit.com](http://www.gurit.com), or by contacting customer support.

The product catalogue structure is given in the contents page. For placing orders, contact details can be found at the end of this product catalogue. Please use the order codes provided to ensure that you obtain the correct products.

**Some Gurit products are subject to export control restrictions and destinations subject to trade restrictions. Please contact your local Gurit Customer Support office for more information.**

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= Specialist Item, not stocked

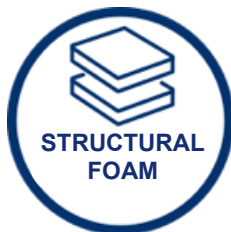
# Gurit Marine and Industrial Product Portfolio



The product portfolio for the Gurit Marine and Industrial Business Unit comprises of 4 product categories and 15 key products. These products are all manufactured in volume and therefore have short lead times and/or have certain product codes held in stock. Additional specialist products are available and can be obtained via contacting Gurit sales and customer service representatives



- 75 RANGE** High performance, versatile curing system from 70°C
- 90 RANGE** Fast curing system for large industrial structures
- 140 RANGE** High performance, fast curing for press and autoclave
- 180 RANGE** High Tg Hot-in Hot-out capability in 5-10 minutes
- 130 FR RANGE** Non-halogen fire retardant system



- Corecell™ M Foam** for high performance applications
- Corecell™ I Foam** for general applications
- Corecell™ S Foam** for subsea applications
- Gurit PVC** for general applications



- KERDYN™** recycled sandwich foam
- KERDYN™ FR** recycled sandwich foam for fire retardant applications



- Ampreg™** Laminating Systems
- PRIME™** Infusion Systems
- AMPRO™** Multi-Purpose Systems
- Spabond™** Adhesive Systems

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**Specialist Item, not stocked**

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# Prepreg & SPRINT™ Materials



## Prepreg Materials

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 very slowly at room temperature, giving rise to working times of many days or months. Prepreg resins can only be fully cured by heating them to the prescribed cure temperature. The accuracy of the machinery used to combine the fabric or fibre with the resin ensures that laminates produced from prepregs have more consistent and higher fibre contents than can be achieved by wet lay-up techniques. This allows the use of tough, strong resin systems that would be too high in viscosity to be impregnated by hand.

## SPRINT™ Materials

SPRINT™ materials are essentially the same as a prepreg material but the reinforcement remains unimpregnated by the resin film. SPRINT™ comes in 2 formats:

- 1) A single fabric reinforcement attached to a resin film on one side; or
- 2) Two dry fabrics either side of a resin film.

SPRINT™ materials are laid up in a mould and vacuum bagged as for conventional prepreg. However, when the vacuum is applied, the air transport properties of the dry reinforcement enable air trapped in the fibre bundles and between layers to be easily removed. When the temperature is then raised for the cure, the resin film softens and flows into the air-free reinforcement. The void content of the resultant laminate is extremely low (typically 0-0.5%).

## Fibre Definitions of HEC, IMC, HMC and UHMC

Fibre	Description	Strength (MPa)	Modulus (GPa)
HEC	High Elongation Carbon	> 4000	227 to 257
IMC	Intermediate Modulus Carbon	> 4400	275 to 310
HMC	High Modulus Carbon	> 4300	365 to 405
UHMC	Ultra-High Modulus Carbon	> 4000	420 to 455

The table above provides indicative values and does not constitute a specification. Bespoke products are available for high-volume custom applications, where specific variants of width, resin content, fibre weight, tack levels and backers can be requested. For specific enquiries please contact your local customer support representative.

Gurit prepreg product formats are described as one of the following:

SE	Prepreg material	ST	SPRINT format, single or double fabric
SA	Adhesive film	SF	Surfacing film
1PA	Single release paper applied to one side	1PO	Single poly backer applied to one side
POPA	1 poly backer & 1 paper applied to either side	2DPE	two poly backers applied to each side

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## Product Selector

Prepreg Resin System	Process / Cure Schedule	System Name	Max Temp	Technical Datasheet
<b>75 Range</b> <ul style="list-style-type: none"> <li>High performance system</li> <li>Versatile fast curing from 70 to 120 °C</li> <li>Optimised handling and out life for large structure manufacture</li> </ul>	Vacuum Bag: 35 mins at 120°C 12 hrs @ 70°C	SE 75	125 °C	 <a href="#">Download PDF</a>
<b>90 Range</b> <ul style="list-style-type: none"> <li>Fast curing system for large industrial composite structures.</li> <li>Available in prepreg and semi-preg formats</li> <li>Optimised for heavy weight glass and carbon reinforcements (300 – 1800gsm)</li> </ul>	Vacuum Bag: 12 hrs @ 70°C 45 mins at 120°C	SE 90	120 °C	 <a href="#">Download PDF</a>
		SA 75-90	125 °C	
<b>75 &amp; 90 Ancillaries</b> <ul style="list-style-type: none"> <li>Toughened epoxy adhesive film</li> <li>SPRINT™ sandable surfacing film</li> <li>Mono-component epoxy system</li> </ul>	Vacuum Bag: Fully compatible with the 75 and 90 ranges	SF 75-90	125 °C	 <a href="#">Download PDF</a>
		MP 75-90	125 °C	 <a href="#">Download PDF</a>
<b>140 Range</b> <ul style="list-style-type: none"> <li>High performance fast curing systems for press and autoclave applications</li> <li>Flow controlled to produce high quality parts with high cosmetic finish</li> <li>10 minute Hot in Hot Out (HiHo) capability</li> </ul>	Press (HiHo): 10 mins at 135°C Autoclave: 20 mins at 135°C	SE 140	140 °C	
<b>180 Range</b> <ul style="list-style-type: none"> <li>High performance fast curing system for press applications</li> <li>Flow controlled to produce high quality parts with high cosmetic finish</li> <li>5 minute Hot in Hot Out (HiHo) capability</li> </ul>	Press (HiHo): 5 mins at 150°C	SE 180	175 °C	 <a href="#">Download PDF</a>
		SE 130FR	120 °C	 <a href="#">Download PDF</a>
<b>130FR Range</b> <ul style="list-style-type: none"> <li>Non halogen fire retardant system capable of meeting stringent fire standards.</li> <li>Fast curing and optimised with ancillary products to manufacture high quality monolithic and sandwich structures at lowest total manufacturing cost</li> </ul>	Vacuum Bagging, Autoclave, or Compression Moulding: 6 hrs @ 85°C 45 mins at 120°C	ST 130FR	120 °C	 <a href="#">Download PDF</a>
		SF 130FR	120 °C	 <a href="#">Download PDF</a>

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## 75 Range

SE75 is a new generation, hot melt, performance epoxy prepreg for large open mould structures. SE75 builds on the established heritage and performance of SE84LV, with more versatile cure possibilities: 12 hours at 70°C (158°F), 6 hours at 80°C (176°F) or 35 minutes at 120°C (248°F).

SE75 has exceptional mechanical and thermal performance and an 8-week shelf life at 18-22°C. It is suitable for a wide range of Marine and Industrial applications and is specifically formulated for large open mould vacuum processes.

Product Code Selector (Consult local sales teams for full product code listings)

SE75-T1	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%		Im	m <sup>2</sup>		AU	NZ
<b>Unidirectional High Elongation Carbon (HEC)</b>									
HEC	150	400	37%	POPA	200	80	PC53-7448		
HEC	200	400	37%	2DPE	200	80	PC53-7708		NZ
HEC	300	400	35%	POPA	150	60	PC53-7450	AU	
HEC	300	400	35%	2DPE	150	60	PC53-7707		NZ
HEC	450	400	35%	2DPE	100	40	PC53-7822		
HEC	600	1200	34%	2DPE	150	180	PC53-7823		
<b>Unidirectional Intermediate Modulus Carbon (IMC)</b>									
IMC	150	400	37%	2DPE	200	80	PC53-7826		
IMC	300	400	35%	POPA	150	60	PC53-7715		
IMC	450	400	35%	2DPE	100	40	PC53-7828		
<b>Unidirectional High Modulus Carbon (HMC)</b>									
HMC	150	400	37%	2DPE	200	80	PC53-7824		NZ
HMC	300	400	35%	POPA	150	60	PC53-7737		
HMC	300	400	35%	2DPE	150	60	PC53-7825		NZ
<b>Woven Products</b>									
NPP80	80	1000	50%	1PA	100	100	PC15-7719	AU	NZ
RC200T	200	1270	42%	1PO	50	63.5	PC13-7458		
RC200T	200	1270	42%	2DPE	50	6305	PC13-7709	AU	NZ
RC416T	415	1270	42%	2DPE	30	38.1	PC13-7531		
RC660T	660	1270	42%	2DPE	20	25.4	PC13-7659		
RE295	295	1240	40%	1PO	50	62	PC11-7717		
RE301H8	300	1270	37%	2DPE	50	63.5	PC11-7462		
RF300T	300	1270	56%	POPA	50	63.5	PC17-7842		
<b>Multi-axial Stitched Products</b>									
XC305	300	1270	40%	1PO	50	63.5	PC23-7838		
XC411	410	1270	40%	1PO	30	38.1	PC23-7687		
XC411	410	1270	40%	2DPE	30	38.1	PC23-7460	AU	NZ
XC611	610	1270	42%	2DPE	25	31.7	PC23-7588		
XF350	350	1270	56%	POPA	50	63.5	PC27-7843		

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Specialist Item, not stocked

## 90 Range

The 90 range is a hot melt, industrial epoxy prepreg optimised for very large open mould structures. It is a cost-effective solution where heavy weight reinforcements are key for high deposition rates for large structural components. The range is available in prepreg (SE) and SPRINT™ (ST) formats. The SE90-T0 is a low tack resin that is optimised for thick section uni-directional laminates and builds on the heritage of the Sparpreg™ range.

The 90 range delivers good mechanical and thermal performance with flexible curing characteristics combining fast cure times and low exotherms, even in thick sections. It has an 8-week shelf life at 18-22°C and is suitable for a wide range of Marine and Industrial applications and is specifically formulated for large open mould vacuum processes and for use with heavy weight reinforcements.

Product Code Selector (Consult local sales teams for full product code listings)

SE90-T0	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%					Im	m <sup>2</sup>
Unidirectional High Elongation Carbon (HEC) and Glass (EGL)									
HEC	450	400	34%	2DPE	125		PA53-7852L		
HEC	600	400	34%	2DPE	100		PA53-7853L		
EGL	1200	1200	34%	2DPE	200		PA51-7856L		

SE90-T1	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%					Im	m <sup>2</sup>
Woven Products									
WRE581T	580	1250	35%	2DPE	200		PA11-7860L		
WRE850T	850	1250	35%	2DPE	200		PA11-7861L		
Multi-axial Stitched Products made with SE90 T1									
XE603	600	1255	35%	2DPE	300		PA21-7857L		
XE905	900	1270	43%	2DPE	200		PA21-7858L		
QE1200	1200	1270	42%	2DPE	100		PA21-7859L		

ST90-T1	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%					Im	m <sup>2</sup>
Woven Products									
RC303T	300	1270	42%	1PA	100	127	SA13-7960L		
RC416T	415	1270	42%	1PA	100	127	SA13-7912L		
RC660T	660	1270	42%	1PA	103	130.8	SA13-7962L		
RE400T	400	1250	35%	1PA	100	125	SA11-7973		
WRE581T	580	1250	35%	1PA	100	125	SA11-7910L		
WRE850T	850	1250	35%	1PA	100	125	SA11-7975L		
Multi-axial Stitched Products									
XC411	410	1270	42%	1PA	100	127	SA23-7968L		
XC611	610	1270	42%	1PA	125	158.8	SA23-7969L		
XE603	600	1255	35%	1PA	150	188.3	SA21-7909L		
QE600	600	1200	33%	1PA	50	60	SA21-7984L		
QE1200	1200	1270	42%	1PA	80	117	SA21-7990L		

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Specialist Item, not stocked



## SA 75-90 and SF 75-90 Range

The SA 75-90 and SF 75-90 range of adhesive and surfacing films have been created for use with the 75 and 90 prepreg ranges. SA 75-90 adhesive film is designed for sandwich laminate manufacture, bonding prepreg skins to structural cores.

SF 75-90 is available as filled surface films to offer an improved surface for painting or as a lighter weight toughened film to protect the underlying laminate and ideally suited to parts which do not require such a high-quality finish. Both adhesive and surfacing films have flexible curing behaviour to compliment the 75 and 90 prepreg and SPRINT™ products.

Product Code Selector (Consult local sales teams for full product code listings)

SA75	Reinf. Wt g/m <sup>2</sup>	Width mm	Resin Content %	Format	Length lm	Roll Size m <sup>2</sup>	Order Code	Stocked Item	
								AU	NZ
<b>SA75 Adhesive Film</b>									
SA75-90	No Scrim	1270	100 gsm	1PA	100	127	PC00-8012		NZ
SA75-90	Scrim	1270	150gsm	1PA	100	127	PC11-7658	AU	NZ
SA75-90	No Scrim	1270	150 gsm	1PA	50	63.5	PC00-7815		
SA75-90	Scrim	1270	250 gsm	1PA	80	101.6	PC11-7575	AU	NZ
SA75-90	No Scrim	1270	250 gsm	1PA	75	95.2	PC00-7667		
SA75-90	Scrim	1270	300 gsm	1PA	80	101.6	PC11-7664		
SA75-90	No Scrim	1270	300 gsm	1PA	80	101.6	PC00-7784		
<b>SF75 Surfacing Film</b>									
SF75-90	2 Scrim	1260	150 gsm	1PA	50	63	SA11-7577		
SF75-90	2 Scrim	1260	300 gsm	1PA	40	50.4	SA11-7595		
SFG75-90	2 Scrim	1255	150 gsm	1PA	50	62.8	SC11-7576		
<b>Mono-component Intensifying Pastes</b>									
MP75-90		(box of 20)					FZ7355-32	AU	

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## 140 Range

SE 140 has been developed specifically for compression moulding and autoclave applications where cycle time is critical. Typical cure cycles are as follows:

Press - 10 minutes Hot-in Hot-out (HiHo) at 135 °C (275 °F)

Autoclave – 20 minutes dwell at 130 °C (266 °F)

SE 140 is a VOC free, low toxicity formulation with controlled flow to maximise part quality in matched tooling compression moulding and autoclave curing. It has excellent mechanical properties and thermal performance suitable for off-line paint processes with a Tg of 140 °C. It has a 4-week shelf life at 18-22 °C and is suitable for a wide range of applications that utilise compression moulding for high volume component manufacture.

Product Code Selector (Consult local sales teams for full product code listings)

SE140	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%					AU	NZ
Unidirectional High Elongation Carbon (HEC)									
HEC	150	1250	35%	POPA	150	187.5	PA53-7761		
HEC	300	1250	35%	POPA	150	187.5	PA53-7762		
Woven Products									
RC245T	245	1250	40%	2DPE	50	62.5	PA13-7647		
RC380T	380	1250	40%	2DPE	46	57.5	PA13-7648		
RC660T	660	1270	38%	POPA	34	43.2	PA13-8045		
RF300T	300	1270	56%	POPA	50	63.5	PA17-7650		
Woven Products									
SF 140	2 Scrim	1260	300 gsm	1PA	40	50.4	SA11-7763		

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## 180 Range

SE 180 has been developed specifically for compression moulding applications where high Tg and fast processing times are required: Press 5 minutes HiHo at 150 °C (302 °F)

SE 180 has excellent mechanical and thermal performance with a Tg = 175 °C (347 °F)

Product Code Selector (Consult local sales teams for full product code listings)

SE 180	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%		Im	m <sup>2</sup>		AU	NZ
Unidirectional High Elongation Carbon (HEC) and Glass (EGL)									
HEC	150	600	39%	POPA	150	90	PA53-7800		
HEC	200	600	39%	POPA	125	75	PA53-7802		
HEC	300	600	35%	POPA	95	57	PA53-7804		
Woven Products									
RC245T	245	1250	42%	2DPE	50	62.5	PA13-7297		
RC380T	380	1250	42%	POPA	32	40	PA13-6630		

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## 130FR Range

130FR is a low smoke halogen free epoxy prepreg system designed for structural applications. It has been tested to the stringent European standard EN45545 with a rating of HL2 in R1, R7 and R17 for monolithic laminates. 130FR is designed for use in open moulding and autoclave processing with low temperature and fast cure characteristics:

- 6 hrs at 85 °C (185 °F),
- 45 minutes at 120 °C (248 °F)

130FR is suitable for use with fire retardant structural cores to manufacture sandwich structures.

The 130FR range also contains a fire-retardant adhesive film for core bonding and a fire-retardant surfacing film to provide a high-quality surface for paint application.

Product Code Selector (Consult local sales teams for full product code listings)

SE130FR	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%		Im	m <sup>2</sup>		AU	NZ
Unidirectional High Elongation Carbon (HEC)									
HEC	300	400	45%	POPA	100	40	PA53-7134		
RC416T	415	1270	48%	2DPE	25	31.8	PA13-7940		
XC411	410	1270	48%	2DPE	40	50.8	PA23-7948		
ST130FR	Reinf. Wt	Width	Resin Content	Format	Length	Roll Size	Order Code	Stocked Item	
	g/m <sup>2</sup>	mm	%		Im	m <sup>2</sup>		AU	NZ
Woven Products									
RC416T	415	1270	48%	1PA	66	83.8	SA13-7945L		
WRE581T	580	1250	42%	1PA	100	125	SA11-7950		
WRE850T	850	1250	42%	1PA	20	25	SA11-7951		
Multi-axial Stitched Products									
XC411	410	1270	48%	1PA	100	127	SA23-7947L		
XE603	600	1255	42%	1PA	25	31.4	SA21-8014L		
Adhesive Films									
SA130FR	scrim	1270	250 gsm	1PA	80	101.6	PA11-7954		
SA130FR	scrim	1270	400 gsm	1PA	60	76.2	PA11-7955		
Surface Film									
SF130FR	2 scrim	1255	200 gsm	1PA	50	62.7	SA11-7953		

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# Core Materials



## Introduction

Cores in a sandwich construction are specified by designers and architects to increase stiffness and reduce the weight of a composite structure. Gurit has a range of core materials to fit any specification or manufacturing process.

## Product Selector

Type	Product	Typical Applications	Technical Datasheet
	Corecell™ I	<ul style="list-style-type: none"> <li>General-purpose SAN core for marine and industrial application</li> <li>Superior stiffness for high in-plane compressive loads</li> <li>Compatible with prepreg processing</li> <li>Cost-effective</li> </ul>	 <a href="#">Download PDF</a>
SAN	Corecell™ M	<ul style="list-style-type: none"> <li>High performance foam, ideal for marine applications</li> <li>High shear strength and low density</li> <li>Compatible with prepreg processing</li> <li>High elongation for toughness</li> </ul>	 <a href="#">Download PDF</a>
	Corecell™ S	<ul style="list-style-type: none"> <li>Sub-sea buoyancy foam</li> <li>High hydrostatic crush strength and water resistance</li> <li>High impact resistance/damage tolerance</li> <li>Ultra-fine cell size</li> </ul>	 <a href="#">Download PDF</a>
PET	Kerdyn™	<ul style="list-style-type: none"> <li>Up to 100% recycled PET content</li> <li>All-purpose foam</li> <li>Suitable for all sandwich applications</li> <li>Superior strength &amp; stiffness : weight ratio</li> <li>Outstanding chemical resistance</li> <li>High thermal insulation properties</li> <li>Water resistant</li> </ul>	 <a href="#">Download PDF</a>
	Kerdyn™ FR	<ul style="list-style-type: none"> <li>Fire retardant version available</li> </ul>	 <a href="#">Download PDF</a>
PVC	Gurit PVC	<ul style="list-style-type: none"> <li>All-purpose foam</li> <li>Suitable for all sandwich applications</li> <li>Superior strength &amp; stiffness:weight ratio</li> <li>Outstanding chemical resistance</li> </ul>	 <a href="#">Download PDF</a>
	Gurit PVC HT	<ul style="list-style-type: none"> <li>High temperature processing up to 140°C</li> </ul>	 <a href="#">Download PDF</a>

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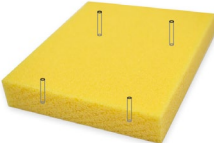



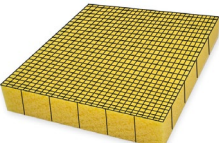
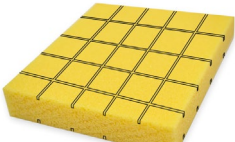
**NZ** = Stocked Item in New Zealand

**Specialist Item, not stocked**



## Forms of Supply

Gurit standard product forms are described below. Gurit can also tailor sheets to your own specification.

REF	Description	
PL	<b>Plain Sheet</b> – Optimum material properties. Limited bending in-mould.	
PH	<b>Plain with Bleeder Holes</b> – Assists air release in vacuum bag processes.	
SC	<b>Single Cut</b> – Provides flexibility in a single direction on one or both sides. If on both sides, the cuts intersect so no bleeder holes are necessary.	
DC	<b>Double Cut</b> – Provides optimum flexibility in two directions on one or two sides. If Double-Cut on both sides, the intersecting cuts make DC a highly effective resin infusion medium.	
TC	<b>Triple Cut</b> – Provides maximum flexibility. On the top side of the sheets, cuts are performed in the transverse direction, in equally separated groups of 3 lines. On the reverse side, the style used is the double-cut.	
CS	<b>Contour Scrim</b> – Provides optimum flexibility in two directions. Sheets are cut in 30mm squares and bonded to a glass scrim.	
VIC	<b>Vacuum Infusion Core</b> – There are several VIC options and Gurit can customise grooving patterns and bleeder holes as required. Heat-forming of the VIC surface cut is also useful for obtaining curved panels with minimal resin uptake.	

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## Structural Foam

Gurit Corecell™ is a structural foam core material made using a SAN polymer base. It features high toughness and impact resistant characteristics combined with very low resin absorption. Gurit Corecell™ has become widely accepted for the construction of large, high-performance structures. Although originally developed for the marine industry, it is now used in a range of other applications such as wind turbines, sub-sea vessels and industrial. Gurit Corecell™ grades have various approvals including the American Bureau of Shipping (ABS), Det Norske Veritas (DNV), Registro Italiano Navale (RINA), Bureau Veritas (BV), Lloyd's Register (LR) and Indian Register of Shipping (IRS). Please check for additional product approvals. Please note: Maximum unbonded thicknesses can vary across Gurit sites. Please contact your local Gurit representative for more information

### Gurit Corecell™ I

Gurit Corecell™ I is a general purpose SAN foam for marine and industrial applications. Providing well balanced mechanical properties with high shear modulus and inherent toughness. Its fine cell size reduces the resin absorption, saving both weight and cost. It is suitable for all composite processes including prepreg and is compatible with epoxy, polyester and vinylester resin systems. Gurit Corecell™ I benefits from DNV and ABS certifications.

#### Product Code Selector

Corecell™ I	Short Edge Marking	Nominal Density	Half Sheet Size	Nominal Sheet Size	Unbonded Thickness Range	Stocked Item	
		kg/m <sup>3</sup>	mm	mm		AU	NZ
I40	Red	45	NA	965x1448	3-60		
I60	Green	65	1285x1285	1285x2605	3-55		
I80	Blue	85	1220x1220	1220x2440	3-53		
I100	Black	105	1130x1130	1130x2275	3-48		

NOTES: Pink foam colour

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**NZ** = Stocked Item in New Zealand

**Specialist Item, not stocked**

## Gurit Corecell™ M

Gurit Corecell™ M is a high-performance foam, featuring extremely high resistance to impact, slamming and fatigue, suitable for all marine applications across all sectors. Combining high static properties, unmatched toughness and compatibility with infusion, prepreg, SPRINT™ and wet lamination processes. Gurit Corecell™ M benefits from American Bureau of Shipping (ABS), Det Norske Veritas (DNV), Registro Italiano Navale (RINA), Lloyd's Register (LR), Indian Register of Shipping (IRS) and Bureau Veritas (BV) certification.

### Product Code Selector

Corecell™ M	Short Edge Marking	Nominal Density	Half Sheet Size	Nominal Sheet Size	Unbonded Thickness Range	Stocked Item	
		kg/m <sup>3</sup>	mm	mm	mm	AU	NZ
M60	Yellow + Green	65	1285x1285	1285x2605	3-55	AU	NZ
M80	Yellow + Blue	85	1220x1220	1220x2440	3-53	AU	NZ
M100	Yellow + Black	107.5	1130x1130	1130x2275	3-48	AU	NZ
M130	Yellow + Light Brown	140	1015x1015	1015x2045	3-46	AU	NZ
M200	Yellow + Brown	200	915x915	915x1830	3-32	AU	NZ

## Gurit Corecell™ S

Gurit Corecell™ S has been developed primarily to resist hydrostatic pressures in sub-sea applications. It is manufactured in two densities, ideal for the manufacture of buoyancy modules designed for depths of up to 1100 metres. It offers superior uniformity and more consistent density compared to resin-based syntactics.

### Product Code Selector

Corecell™ S	Short Edge Marking	Nominal Density	Half Sheet Size	Nominal Sheet Size	Unbonded Thickness Range	Stocked Item	
		kg/m <sup>3</sup>	mm	mm	mm	AU	NZ
S210 (S1200)	Black(Red)+Brown	210	890x890	889x1829	32 (25)		
S250	Black+Green	250	825x850	813x1727	31		
S315 (S1800)	Black (Red)+Mauve	315	785x785	787x1600	29 (21-23)		NZ
S350	Black+Yellow	350	750x750	762x1524	28		
S400	Black+Red	400	715x720	711x1473	26.5		
S450	Black+Blue	450	685x700	686x1422	25		

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Specialist Item, not stocked

## Gurit PVC

Gurit PVC is a closed cell, cross-linked PVC foam. It provides high strength to weight ratio for all composite applications. Other key features include outstanding chemical resistance, low water absorption and excellent thermal insulation capabilities. Also offered is an HT version with increased heat resistance. Gurit PVC is approved by Det Norske Veritas (DNV), Registro Italiano Navale (RINA) and Lloyd's Register (LR)

### Product Code Selector

Gurit PVC	Short Edge Marking	Nominal Density	Half Sheet Size	Nominal Sheet Size	Unbonded Thickness Range	Stocked Item	
		kg/m <sup>3</sup>	mm	mm		AU	NZ
40	Azure	40	945 x 1330	1330 x 2850	3-84		NZ
48	Lilac	48	910 x 1270	1270 x 2730	3-80	AU	
60	Yellow	60	1150 x 1120	1150 x 2450	3-78	AU	NZ
80	Green	80	1020 x 1080	1020 x 2180	3-72	AU	NZ
100	Red	100	950 x 1020	950 x 2050	3-68	AU	NZ
130	Blue	130	850 x 950	850 x 1900	3-58	AU	NZ
200	Brown	200	750x800	750 x 1600	3-48	AU	NZ
250	Green	250	700x750	700 x 1500	3-47		NZ

Gurit PVC HT	Short Edge Marking	Nominal Density	Half Sheet Size	Nominal Sheet Size	Unbonded Thickness Range	Stocked Item	
		kg/m <sup>3</sup>	mm	mm		AU	NZ
HT60	Pink	60	1120 x 1200	1120 x 2400	3-78		
HT80	Light Yellow	80	1005 x 1070	1005 x 2150	3-75		
HT100	Light Orange	100	940 x 1015	940 x 2030	65		
HT130	Orange	130	850 x 950	850 x 1900	58		

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Specialist Item, not stocked

# PET Foam

Gurit Kerdyn™ is a recyclable, thermoplastic foam, produced with up to 100% recycled PET sourced from recycled plastic bottles. It features good mechanical properties, outstanding thermal resistance and stability, good behaviour in thermoforming and compatibility with all types of all types of composite processing. Gurit Kerdyn™ offers a cost-efficient solution compared to higher performance cores. The range offers both standard and fire-retardant versions.

Gurit Kerdyn™ is approved by Det Norske Veritas (DNV).

## Gurit Kerdyn™

### Product Code Selector

Kerdyn™	Short Edge Marking	Nominal Density kg/m <sup>3</sup>	Half Sheet Size mm	Nominal Sheet Size mm	Unbonded Thickness Range mm	Notes	Stocked Item	
							AU	NZ
80	Blue	80	1005 x 1220	1005 x 2440	5-250	Sheet sizes in APAC and NA are as follows:  1220 x 2240  In 2023 sheet sizes in EMEA will also be:  1220 x 2440	AU	
100	Green	100	1005 x 1220	1005 x 2440	5-250		AU	NZ
115	Black	115	1005 x 1220	1005 x 2440	5-250			
135	Black + Green	135	1005 x 1220	1005 x 2440	5-200			
150	Orange	150	1005 x 1220	1005 x 2440	5-200			
200	Black + Yellow	200	1005 x 1220	1005 x 2440	5-100			
235	Black + Brown	235	1005 x 1220	1005 x 2440	5.100			
250	Black + Blue	250	1005 x 1220	1005 x 2440	5-100		AU	
300	Black + Orange	300	1005 x 1220	1005 x 2440	5-100		AU	NZ

## Gurit Kerdyn™ FR

### Product Code Selector

Kerdyn™ FR	Short Edge Marking	Nominal Density kg/m <sup>3</sup>	Half Sheet Size mm	Nominal Sheet Size mm	Unbonded Thickness Range mm	Stocked Item	
						AU	NZ
80	Blue + Red	80	1005 x 1220	1005 x 2440	5-250		
115	Black + Red	115	1005 x 1220	1005 x 2440	5-250		
180	Brown + Red	180	1005 x 1220	1005 x 2440	5-100		

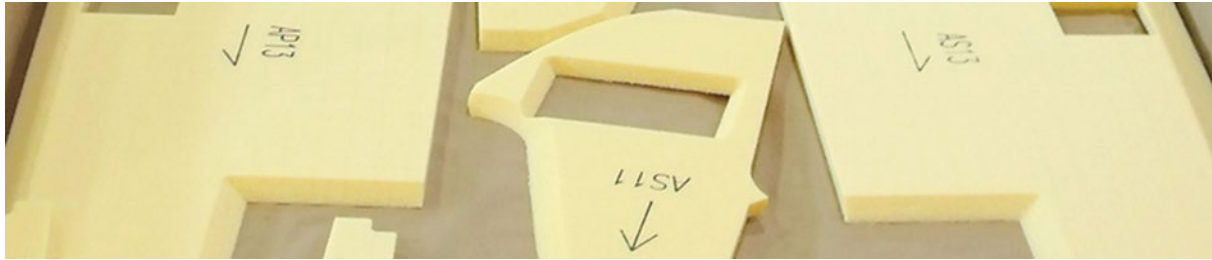
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## Core Kitting - B<sup>3</sup> SmartPac from Gurit



B<sup>3</sup> SmartPac is a versatile construction solution that helps builders manufacture composite components more efficiently and cost-effectively than ever before.



B<sup>3</sup> SmartPac comprises all the reinforcement and core materials required for the job, pre-cut to the exact shape and size to fit the mould, and clearly labelled for alignment and location.

The materials are packed in boxes in the order of assembly, and are accompanied by a comprehensive schematic and written construction manual, with a process defined in conjunction with the builder, and with integral quality controls.

### B<sup>3</sup> SmartPac Benefits

- Reduced overall costs through:
  - Reduced time in-mould
  - Reduced labour costs
  - Reduced waste levels
  - Reduced material costs
- Repeatable process with known costs and known quality
- Efficient procurement
- Order one B<sup>3</sup> SmartPac instead of multiple materials
- One-stop-shop for materials, engineering, quality control, and process support
- Improved overall quality

The B<sup>3</sup> SmartPac is suitable for many types of marine and industrial applications, and most processing techniques and products. Whatever the requirement, Gurit can package and supply the B<sup>3</sup> SmartPac to meet your specific needs.

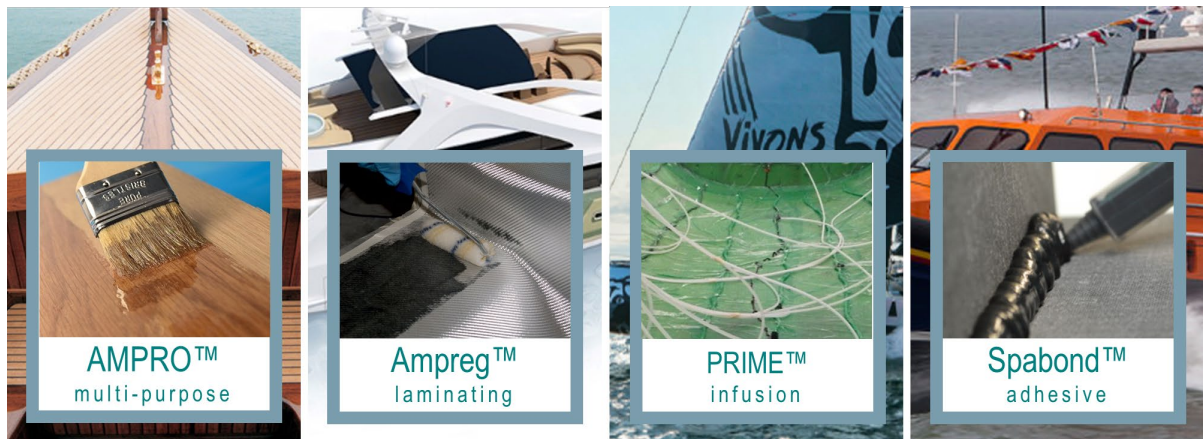
- Volume production boats
- Semi-custom builds
- Custom builds
- Commercial/military boats
- Superyachts
- Hand lay-up
- Epoxy, vinylester, polyester
- Vacuum infusion
- Resin Transfer Moulding (RTM)
- Prepreg and SPRINT™

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# Epoxy Resins & Adhesives



Gurit manufactures a wide range of formulated resin products, based on epoxy chemistry. These formulations are unique combinations of chemicals that have been blended to yield products with characteristics optimised for their intended application.

The characteristics of thermosets mean that they can be formulated into a wide variety of forms, with many different liquid-state properties and cured properties.

There are 4 key formulated epoxy systems manufactured by Gurit:

- **AMPRO™ Multi-purpose:** Epoxy based, capable of performing as adhesives, coatings, filling compounds and laminating systems
- **Ampreg™ Laminating:** Epoxy based liquids, low viscosity for good wet-out, high strength and stiffness
- **PRIME™ Infusion:** Low viscosity, high performance epoxy-based liquids ideal for vacuum bag infusion and resin transfer moulding processes
- **Spabond™ Adhesive:** Epoxy based semi-liquids and pastes, high strength and durability

Gurit formulated products can be supplied in a wide range of formats, depending on customer needs.

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**Specialist Item, not stocked**

## AMPRO™ Multi-Purpose Systems

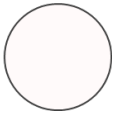







AMPRO™ is a simple to use, all-purpose epoxy which can be used for gluing, coating, laminating and filling. With its fast, low temperature curing hardener and easy 3:1 mix ratio by volume, AMPRO™ provides a quick and convenient way of using one epoxy system for a wide range of tasks.

- Professional boat-builder's choice for gluing, laminating and filling
- Superior protection for coating a wide range of woods
- Low toxicity, solvent-free formulation to protect the user
- Proprietary formulation, using next generation bio-based chemistry
- Superior properties: Improved flexibility & tack-free surface after cure
- Wide working window as low as +5°C and simple 3:1 mix ratio, helps to increase productivity

### PRODUCT SELECTOR

The table below summarises all of the compatible AMPRO™ resins and hardeners.


System	Speed	Cured Colour	Mixed Viscosity**	150g Pot-Life**	Earliest Sanding Time**	Technical Datasheet
<b>AMPRO™</b> ↳ For bonding, laminating & filling ↳ Cures at low temperatures (+5°C) ↳ 3 : 1 mix ratio by volume ↳ No surface residue after cure	Fast		970 cP	½ hour	12 hours	 <a href="#">Download (PDF)</a>
	Slow		740 cP	1 ¼ hours	16 hours	
	Extra-Slow		690 cP	1 ½ hours	16 hours	
<b>AMPRO™ BIO</b> ↳ Accredited 40-60% bio-content ↳ For bonding, laminating & filling ↳ 3 : 1 mix ratio by volume ↳ No surface residue after cure	Fast		1260 cP	½ hour	16 hours	 <a href="#">Download (PDF)</a>
	Slow		1100 cP	¾ hours	20 hours	
	Extra-Slow		1050 cP	1 hours	20 hours	
<b>AMPRO™ Handipack</b> ↳ Ideal for repairs & other small tasks ↳ Cures at low temperatures (+5°C) ↳ 3 : 1 mix ratio by volume ↳ No surface residue after cure	Fast		1000 cP	½ hour	12 hours	 <a href="#">Download (PDF)</a>

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AMPRO™ is designed to be used as a laminating or coating resin, or it can be modified using the following additives into a filler or adhesive mix.

Additives & Fillers (all quantities by weight)	Filler Mixes		Adhesive Mixes			Technical Datasheet
	Easy To Sand Brown	Water Resistant White	General Brown	General White	High Strength	
<b>AMPRO™ Silica</b>						
<ul style="list-style-type: none"> <li>↳ Waterproof resin thickener</li> <li>↳ Fine waterproof, white powder, used to thicken the epoxy system</li> <li>↳ Can be used with Glass Bubbles, Microballoons and Microfibres</li> <li>↳ Refer to the AMPRO™ datasheet for recommended mixes</li> </ul>	2 – 3%	3 – 5%	3 – 5%	4 – 6%	2 – 4%	 <a href="#">Download (PDF)</a>
<b>Glass Bubbles</b>						
<ul style="list-style-type: none"> <li>↳ Waterproof filling &amp; bonding</li> <li>↳ White, hollow glass spheres for waterproof filling and bonding</li> <li>↳ Ideal as a finishing filler for hard wearing edges &amp; surfaces</li> <li>↳ Refer to the AMPRO™ datasheet for recommended mixes</li> </ul>		35 – 40%		15 – 20%		
<b>Microballoons</b>						
<ul style="list-style-type: none"> <li>↳ Wood filling &amp; bonding</li> <li>↳ Brown, hollow phenolic resin spheres ideal for wood applications</li> <li>↳ Easy to profile and sand for filling, filleting and bonding</li> <li>↳ Refer to the AMPRO™ datasheet for recommended mixes</li> </ul>	25 – 30%		15 – 20%			
<b>Microfibres</b>						
<ul style="list-style-type: none"> <li>↳ Structural bonding</li> <li>↳ Opaque, very fine cellulose wood fibres for structural bonding</li> <li>↳ Suitable for both wood and GRP</li> <li>↳ Refer to the AMPRO™ datasheet for recommended mix</li> </ul>					7 – 10%	

*\*\*working time properties are highly subjective to ambient conditions and should be used as an approximate guideline for all AMPRO™ systems at 25°C. Please refer to the corresponding page of this document for specific testing methods used.*

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## Product Code Selector

System	Size	Units	Description	Order Code	Stocked Item	
					AU	NZ
AMPRO™ Packs						
Hardeners AMPRO™ Fast	6 x 1.33	kg	AMPRO RES/HARD FAST 6x1.33KG PACK	F530-063	AU	
	4.2	kg	AMPRO R/H FAST 4.2KG PACK	F530-050	AU	
Slow Hardeners AMPRO	6 x 1.33	kg	AMPRO RES/HARD SLOW 6x1.33KG PACK	F530-064	AU	
	4.2	kg	AMPRO R/H SLOW 4.2KG PACK	F530-052	AU	
Hardeners AMPRO™ Extra Slow	6 x 1.33	kg	AMPRO RES/HARD EX-SLOW 6x1.33KG PACK	F530-065		
	4.2	kg	AMPRO R/H EXTRA-SLOW 4.2KG PACK	F530-054		
AMPRO™ BIO Packs	6 x 1.3	kg	AMPRO BIO RES/HARD FAST 6x1.30KG PACK	F530-060		
	4.1	kg	AMPRO BIO R/H FAST 4.1KG PACK	F530-032		
	6 x 1.3	kg	AMPRO BIO RES/HARD SLOW 6x1.30KG PACK	F530-061		
	4.1	kg	AMPRO BIO R/H SLOW 4.1KG PACK	F530-034		
	6 x 1.3	kg	AMPRO BIO RES/HARD EX-SLOW 6x1.30KG PACK	F530-062		
	4.1	kg	AMPRO BIO R/H EXTRA-SLOW 4.1KG PACK	F530-036		
Handipack	0.375	kg	AMPRO HANDIPACK R/H+PUMPS 375g, BOX OF 12	F530-071		
AMPRO™ Resins	1000	kg	AMPRO RESIN 1000KG	F530-008		
	206	kg	AMPRO RESIN 206KG	F530-007		
	20	kg	AMPRO RESIN 20KG A/F	F530-081		
	10	kg	AMPRO RESIN 10KG A/F	F530-080		
AMPRO™ BIO Resins	1000	kg	AMPRO BIO RESIN 1000KG	F530-012		
	200	kg	AMPRO BIO RESIN 200KG	F530-011		
	20	kg	AMPRO BIO RESIN 20KG A/F	F530-083		
	10	kg	AMPRO BIO RESIN 10KG A/F	F530-082		
AMPRO™ BIO Fast Hardeners	900	kg	AMPRO BIO HARD FAST 900KG	F530-074		
	200	kg	AMPRO BIO HARD FAST 200KG	F530-016		
	20	kg	AMPRO BIO HARD FAST 20KG A/F	F530-087		
	6	kg	AMPRO BIO HARD FAST 6KG A/F	F530-086		
	3	kg	AMPRO BIO HARD FAST 3KG A/F	F530-013		
AMPRO™ BIO Slow Hardeners	900	kg	AMPRO BIO HARD SLOW 900KG	F530-075		
	200	kg	AMPRO BIO HARD SLOW 200KG	F530-020		
	20	kg	AMPRO BIO HARD SLOW 20KG A/F	F530-091		
	6	kg	AMPRO BIO HARD SLOW 6KG A/F	F530-090		
	3	kg	AMPRO BIO HARD SLOW 3KG A/F	F530-017		
AMPRO™ BIO Extra- slow Hardeners	900	kg	AMPRO BIO HARD EXTRA-SLOW 900KG	F530-076		
	200	kg	AMPRO BIO HARD EXTRA-SLOW 200KG	F530-024		
	20	kg	AMPRO BIO HARD EXTRA-SLOW 20KG A/F	F530-095		
	6	kg	AMPRO BIO HARD EXTRA-SLOW 6KG A/F	F530-094		
	3	kg	AMPRO BIO HARD EXTRA-SLOW 3KG A/F	F530-021		

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System	Size	Units	Description	Order Code	Stocked Item	
					AU	NZ
AMPRO™ Fast Hardeners	900	kg	AMPRO HARD FAST 900KG	F530-077		
	200	kg	AMPRO HARD FAST 200KG	F530-040		
	20	kg	AMPRO HARD FAST 20KG A/F	F530-085		
	6	kg	AMPRO HARD FAST 6KG A/F	F530-084		
	3	kg	AMPRO HARD FAST 3KG A/F	F530-037		
AMPRO™ Slow Hardener	900	kg	AMPRO HARD SLOW 900KG	F530-078		
	200	kg	AMPRO HARD SLOW 200KG	F530-044		
	20	kg	AMPRO HARD SLOW 20KG A/F	F530-089		
	6	kg	AMPRO HARD SLOW 6KG A/F	F530-088		
	3	kg	AMPRO HARD SLOW 3KG A/F	F530-041		
AMPRO™ Extra Slow Hardeners	900	kg	AMPRO HARD EXTRA-SLOW 900KG	F530-079		
	200	kg	AMPRO HARD EXTRA-SLOW 200KG	F530-048		
	20	kg	AMPRO HARD EXTRA-SLOW 20KG A/F	F530-093		
	6	kg	AMPRO HARD EXTRA-SLOW 6KG A/F	F530-092		
	3	kg	AMPRO HARD EXTRA-SLOW 3KG A/F	F530-045		

AMPRO™ packs are compatible with the following calibrated pump sets:

Please check with your local customer service for availability of pump sets.

Description	1.3 kg Packs	4 kg Packs	13 kg Packs	26 kg Packs
AMPRO™ Pump Set	K216-320	K216-324	K216-325	K216-326

AMPRO™ resins and hardeners are compatible with the following dispense taps:

Description	10 – 20 kg Resins	200 kg Resins	3 – 6 kg Hardeners	20 kg Hardeners	200 kg Hardeners
Dispense Tap	K342-016	K342-010	K342-016	K342-015	K342-010

## Ordering Quantity Guidelines

Note that relative ordering quantities are as follows:

System	Resin	Hardener
AMPRO™	2 x 1000KG IBC AMPRO™ Resin	3 x 200KG drum AMPRO™ Hardener
	3 x 200KG drum AMPRO™ Resin	1 x 200KG drum AMPRO™ Hardener
	1 x 200KG drum AMPRO™ Resin	3 x 20KG pail AMPRO™ Hardener
	1 x 20KG pail AMPRO™ Resin	1 x 6KG pail AMPRO™ Hardener
	1 x 10KG pail AMPRO™ Resin	1 x 3KG pail AMPRO™ Hardener
AMPRO™ BIO	2 x 1000KG IBC AMPRO™ BIO Resin	3 x 200KG drum AMPRO™ BIO Hardener
	3 x 200KG drum AMPRO™ BIO Resin	1 x 200KG drum AMPRO™ BIO Hardener
	1 x 200KG drum AMPRO™ BIO Resin	3 x 20KG pail AMPRO™ BIO Hardener
	1 x 20KG pail AMPRO™ BIO Resin	1 x 6KG pail AMPRO™ BIO Hardener
	1 x 10KG pail AMPRO™ BIO Resin	1 x 3KG pail AMPRO™ BIO Hardener

AU

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NZ

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# Ampreg™ Laminating Systems



The Ampreg™ Series is Gurit's range of wet laminating systems for the manufacture of large composite structures in the marine, wind and construction industries.

## Product Selector

System	Speed	Mix Ratio	Mixed Viscosity**	150g Pot-Life**	Max Temp**	Technical Datasheet	
<b>Ampreg™ 30</b> Low initial mixed viscosity & good cure progression from ambient only cures.  <a href="#">DNV</a> <a href="#">Lloyd's Register</a>	Fast	100 : 26	900 cP	½ hour	74 °C	 <a href="#">Download (PDF)</a>	
	Standard		750 cP	1 hour	73 °C		
	Slow		350 cP	4 hours	71 °C		
	Extra-slow	300 cP	7 hours	70 °C	 <a href="#">Download (PDF)</a>		
	Ultra-Slow	100 : 29	300 cP	9 ¾ hours		66 °C	
<b>Ampreg™ 31</b> Viscosity optimised for good fabric wet-out and drainage resistance.  <a href="#">DNV</a> <a href="#">Lloyd's Register</a>	Fast	100 : 26	1300 cP	½ hour	76 °C	 <a href="#">Download (PDF)</a>	
	Standard		1000 cP	1 hour	73 °C		
	Slow		500 cP	3 ½ hours	73 °C		
	Extra-slow	400 cP	6 hours	72 °C	 <a href="#">Download (PDF)</a>		
	Ultra-Slow	100 : 29	375 cP	7 ¾ hours		66 °C	
<b>Ampreg™ 36</b> Improved fabric impregnation, Faster mechanical property generation, High flexural properties.	Fast	100 : 29	700 cP	½ hour	75 °C	 <a href="#">Download (PDF)</a>	
	Standard		450 cP	1 hour	73 °C		
	Slow		275 cP	3 ½ hours	70 °C		
	Extra-slow	200 cP	6 hours	69 °C	 <a href="#">Download (PDF)</a>		
	Fast	100 : 17	-	½ hour		-	
Standard	-		1 ¼ hours	-			
Slow	-		2 ¾ hours	-			
Extra-slow	-		6 ¼ hours	-			
<b>Ampreg™ 21FR</b> Fire retardant epoxy wet laminating system, with indicative FST performance evaluated FAR Part 25 (60s flame applied).	Ultra-Slow	100 : 18	-	7 hours	75.6	 <a href="#">Download (PDF)</a>	
	Slow	100 : 26	600 cP	3-4 hours	66.7		
	<b>Ampreg™ AP</b> Adhesion promoter improves improves vinylester/epoxy adhesion & to enable use of polyester gelcoats.	Extra-slow		500 cP	6-7 hours	63.2	 <a href="#">Download (PDF)</a>
		Fast	100 : 24	-	½ hour	-	
	<b>Ampreg™ TP</b> Thixotropic Pregel is a resin additive, which is used primarily as a thixotrope - to be added to low viscosity laminating resins for applications where resin drainage is a concern.	Standard		-	1 hour	-	 <a href="#">Download (PDF)</a>
Slow			-	3 ½ hours	-		
Extra-slow			-	6 hours	-		
Fast			-	½ hour	-		

\*\*working time properties are highly subjective to ambient conditions and should be used an approximate guideline for all Ampreg™ 3X systems at 25°C. Please refer to the corresponding page of this document for specific testing methods used.

**AU** = Stocked item in Australia

**NZ** = Stocked Item in New Zealand

**Specialist Item, not stocked**

## Product Code Selector

Packs	Size	Units	Description	Order Code	Stocked Item	
					AU	NZ
Ampreg 30	1.26	kg	AMPREG30 R/H FAST 1.26KG PACK	F127-035		
	4.66	kg	AMPREG30 R/H FAST 4.66KG PACK	F127-034		
	1.26	kg	AMPREG30 R/H STANDARD 1.26KG PACK	F127-037		
	4.66	kg	AMPREG30 R/H STANDARD 4.66KG PACK	F127-036		
	1.26	kg	AMPREG30 R/H SLOW 1.26KG PACK	F127-039		
	4.66	kg	AMPREG30 R/H SLOW 4.66KG PACK	F127-038		
	1.26	kg	AMPREG30 R/H EXTRA-SLOW 1.26KG PACK	F127-041		
	4.66	kg	AMPREG30 R/H EXTRA-SLOW 4.66KG PACK	F127-040		
Ampreg 31	1.26	kg	AMPREG31 R/H FAST 1.26KG PACK	F127-071	AU	
	4.66	kg	AMPREG31 R/H FAST 4.66KG PACK	F127-072	AU	
	1.26	kg	AMPREG31 R/H STANDARD 1.26KG PACK	F127-075		
	4.66	kg	AMPREG31 R/H STANDARD 4.66KG PACK	F127-076		
	1.26	kg	AMPREG31 R/H SLOW 1.26KG PACK	F127-073	AU	
	4.66	kg	AMPREG31 R/H SLOW 4.66KG PACK	F127-074	AU	
	1.26	kg	AMPREG31 R/H EXTRA-SLOW 1.26KG PACK	F127-069		
	4.66	kg	AMPREG31 R/H EXTRA-SLOW 4.66KG PACK	F127-070		
Ampreg 36	1.16	kg	AMPREG36 R/H FAST 1.16KG PACK	F127-083		
	4.26	kg	AMPREG36 R/H FAST 4.26KG PACK	F127-084		
	1.16	kg	AMPREG36 R/H STANDARD 1.16KG PACK	F127-087		
	4.26	kg	AMPREG36 R/H STANDARD 4.26KG PACK	F127-088		
	1.16	kg	AMPREG36 R/H SLOW 1.16KG PACK	F127-085		
	4.26	kg	AMPREG36 R/H SLOW 4.26KG PACK	F127-086		
	1.16	kg	AMPREG36 R/H EXTRA-SLOW 1.16KG PACK	F127-081		
	4.26	kg	AMPREG36 R/H EXTRA-SLOW 4.26KG PACK	F127-082		
Resins	Size	Units	Description	Order Code	Stocked Item	
					AU	NZ
Ampreg 30	1000	kg	AMPREG30 RESIN 1000KG	F127-001		
	219	kg	AMPREG30 RESIN 219KG	F127-002		
	18	kg	AMPREG30 RESIN 18KG	F127-003	AU	
Ampreg 31	1000	kg	AMPREG31 RESIN 1000KG	F127-077		
	219	kg	AMPREG31 RESIN 219KG	F127-079	AU	
	18	kg	AMPREG31 RESIN 18KG	F127-078	AU	
Ampreg 36	900	kg	AMPREG36 RESIN 900KG	F127-096		
	197	kg	AMPREG36 RESIN 197KG	F127-090		
	16.2	kg	AMPREG36 RESIN 16.2KG	F127-089		
Ampreg 21FR	257	kg	AMPREG 21FR RESIN 257KG	F122-005		
	15.85	kg	AMPREG 21FR RESIN 15.85KG	F122-004		
Adh. Promoter	20	kg	AMPREG ADHESION PROMOTER 20KG A/F	F127-117		
Thix. Pregel	195	kg	AMPREG THIXOTROPIC PREGEL 195KG	F127-092		
	19.5	kg	AMPREG THIXOTROPIC PREGEL 19.5KG	F127-091		

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Specialist Item, not stocked

Hardeners	Size	Units	Description	Order Code	Stocked Item	
					AU	NZ
Fast	900	kg	AMPREG3X HARD FAST 900KG	F127-093		
	174	kg	AMPREG3X HARD FAST 174KG	F127-006		
	19	kg	AMPREG3X HARD FAST 19KG A/F	F127-008	AU	
	4.68	kg	AMPREG3X HARD FAST 4.68KG A/F	F127-010	AU	
Standard	900	kg	AMPREG3X HARD STANDARD 900KG	F127-097		
	174	kg	AMPREG3X HARD STANDARD 174KG	F127-013		
	19	kg	AMPREG3X HARD STANDARD 19KG A/F	F127-015	AU	
	4.68	kg	AMPREG3X HARD STANDARD 4.68KG A/F	F127-017	AU	
Slow	900	kg	AMPREG3X HARD SLOW 900KG	F127-098		
	174	kg	AMPREG3X HARD SLOW 174KG	F127-020		
	19	kg	AMPREG3X HARD SLOW 19KG A/F	F127-022	AU	
	4.68	kg	AMPREG3X HARD SLOW 4.68KG A/F	F127-024	AU	
Extra-slow	900	kg	AMPREG3X HARD EXTRA-SLOW 900KG	F127-094		
	174	kg	AMPREG3X HARD EXTRA-SLOW 174KG	F127-027		
	19	kg	AMPREG3X HARD EXTRA-SLOW 19KG A/F	F127-029	AU	
	4.68	kg	AMPREG3X HARD EXTRA-SLOW 4.68KG A/F	F127-031	AU	
Ampreg Ultra-Slow	194	kg	AMPREG HARD ULTRA-SLOW 194KG	F127-107		
	16	kg	AMPREG HARD ULTRA-SLOW 16KG A/F	F127-108		
	5.22	kg	AMPREG HARD ULTRA-SLOW 5.22KG A/F	F127-109		

\*Only to be used with Ampreg 21FR, 30 or 31 resins

Ampreg™ and PRIME™ resins and hardeners are compatible with the following dispense taps:

Please contact your local customer service for availability on dispense taps.

Description	16 – 19 kg Resins	160 – 200 kg Resins	4 – 19 kg Hardeners	160 – 200 kg Hardeners
Dispense Tap	K342-016	K342-010	K342-016	K342-010

### Ordering Quantity Guidelines

Note that relative ordering quantities are as follows:

System	Resin	Hardener
Ampreg™ 30 / 31	2 x 1000kg Ampreg™ 30 / 31 Resin	3 x 174kg Ampreg™ 3X Fast – Ex-Slow Hardeners
	1 x 219kg Ampreg™ 30 / 31 Resin	3 x 19kg Ampreg™ 3X Fast – Ex-Slow Hardeners
	1 x 18kg Ampreg™ 30 / 31 Resin	1 x 4.68kg Ampreg™ 3X Fast – Ex-Slow Hardeners
Ampreg™ 36	2 x 900kg Ampreg™ 36 Resin	3 x 174kg Ampreg™ 3X Fast – Ex-Slow Hardeners
	1 x 197kg Ampreg™ 36 Resin	3 x 19kg Ampreg™ 3X Fast – Ex-Slow Hardeners
	1 x 16.2kg Ampreg™ 36 Resin	1 x 4.68kg Ampreg™ 3X Fast – Ex-Slow Hardeners

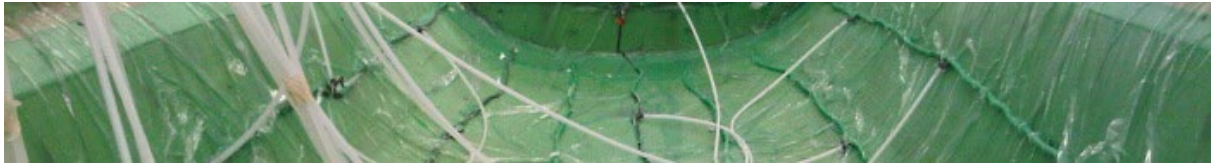
For guidance on correct ordering quantities for speciality systems, please refer to the product datasheet or contact the Gurit technical support team.

**AU** = Stocked item in Australia

**NZ** = Stocked Item in New Zealand

Specialist Item, not stocked

## PRIME™ Infusion Systems



PRIME™ infusion systems applications range from single-operation moulding of carbon yacht masts, yacht hulls up to 80', and wind turbine blades. PRIME™ epoxy infusion systems have been used successfully for over 20 years and today are at the forefront of the development of liquid epoxies for "under the bag" infusion processes, including:

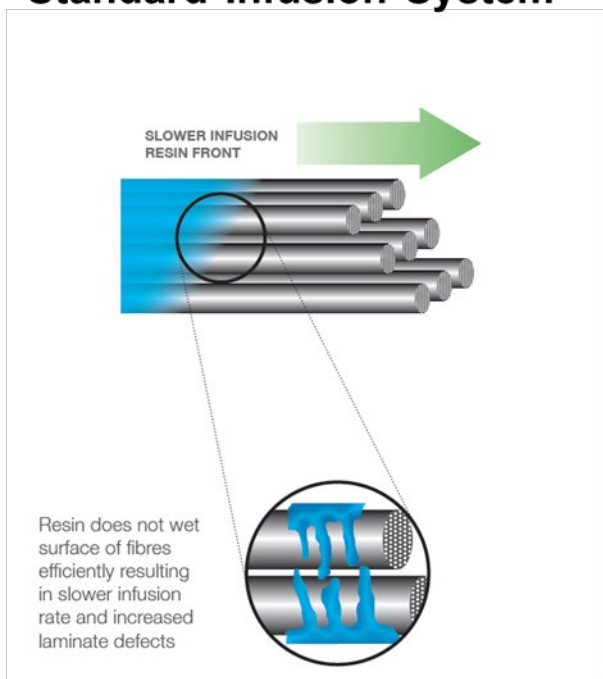
- SCRIMP™
- RIFT (resin infusion under flexible tooling)
- RTM / VARTM (vacuum assisted resin transfer moulding)

Versatile systems for a range of applications:

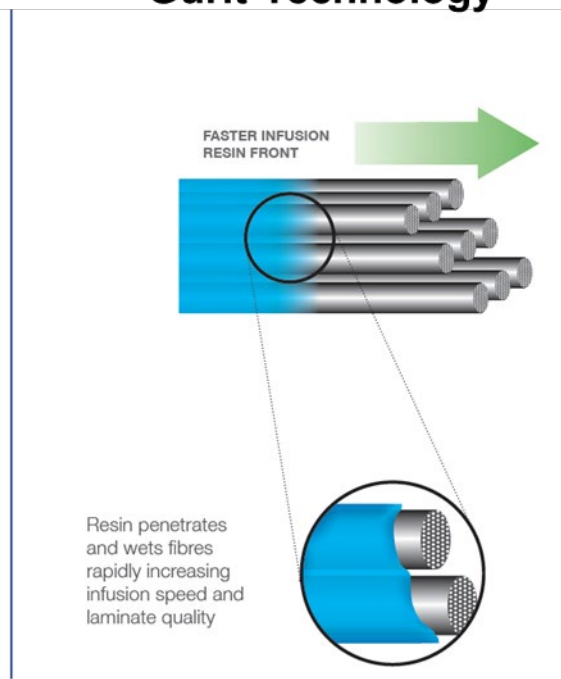
- PRIME™ 37 & A3X Hardeners – premium resin, bio-based as standard
- PRIME™ 37 & High Tg Hardener - print-resistant, cost-effective tooling solution
- PRIME™ 38 & High Tg Hardener – built-in UV & yellowing resistance
- PRIME™ 130 – preformable, rapid curing compression moulding resin
- PRIME™ 180-1 - high clarity resin & temperature resistance
- T-PRIME™ 130-1 - infusable tooling solution for most composite applications
- T-PRIME™ 160 - high temperature tooling resin

DNV & Lloyds Register Certified formats available

### Standard Infusion System



### Gurit Technology



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**NZ** = Stocked Item in New Zealand

**Specialist Item, not stocked**

## Application Selector

	PRIME™ 37	PRIME™ 37 (+ High Tg)	PRIME™ 38	PRIME™ 130	PRIME™ 180-1	T-PRIME™ 130-1	T-PRIME™ 160
<b>System Properties</b>							
Mixed Viscosity (25°C)	150 - 500 cP	320 cP	320 cP	590 cP	280 cP	250 cP	390 cP
Typical Post-cure	16 hrs @ 50°C	5 hrs @ 100°C	5 hrs @ 100°C	¼ hr @ 130°C	1 hr @ 180°C	2 hrs @ 120°C	2 hrs @ 150°C
Maximum Tg	75°C	110°C	110°C	130°C	200°C	130°C	160°C
Resin Bio-based content	Up to 15%	Up to 15%	Up to 15%	-	-	-	-
Relative Cost per KG	€	€€	€€€	€€€	€€€€€	€€€€	€€€€€
USP	Bio-based, versatile A3X Hardeners	Print-resistant, cost-effective tooling solution	Yellowing Resistance	Fast Liquid Press Moulding	High clarity & Temperature resistance	Infusible Tooling solution	High Temperature Tooling Resin
<b>Typical Applications</b>							
Monolithic Laminates	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●
Sandwich Laminates	●●●●●	●●●●●	●●●●●			●●●●●	●●●●●
Composite Tooling	●●●●●	●●●●●	●●●●●			●●●●●	●●●●●
Cosmetic / Low Print	●●●	●●●●	●●●●●	●●●●	●●●●	●●●	●
<b>Processing Method</b>							
Vacuum Infusion	●●●●●	●●●●	●●●●	●	●●	●●●●●	●●●●
RTM / VARTM	●●●●●	●●●●●	●●●●●	●●	●●●●●	●●●●●	●●●●
Compression Moulding	●●	●●	●●	●●●●●	●●	●●	●●

## System Selector

System	Speed	Mix Ratio	Mixed Viscosity**	150g Pot-Life**	Max Temp**	Technical Datasheet
<b>PRIME™ 37 Resin</b> Premium performance infusion system with excellent fibre wetting and bio-based content as standard. DNV & Lloyd's Register certified.	Fast		500 cP	½ hour	72 °C	 <a href="#">Download PDF</a>
	Standard	100 : 29	200 cP	1 hour	72 °C	
	Slow		200 cP	4 hours	74 °C	
	Extra-Slow		150 cP	10 ½ hours	64 °C	
<b>PRIME™ 38</b> Yellowing resistant, UV stable infusion resin system for high clarity applications. Contains bio-based content as standard.	High Tg	100 : 25	320 cP	5 hours	120 °C	Please contact technical support
		100 : 24	320 cP	5 hours	120 °C	
<b>PRIME™ 130</b> Designed for compression moulding applications where flexible working times are required for preforming followed by fast cure times.		100 : 26	590 cP	½ hour	130 °C	Please contact technical support
<b>PRIME™ 180-1</b> Designed for RTM processes for manufacturing high quality structural carbon components.		100 : 100	280 cP	1 ½ hours	160 °C	Please contact technical support

\*\*working time properties are highly subjective to ambient conditions and should be used an approximate guideline for all systems at 25°C. Please refer to the corresponding page of this document for specific testing methods used.

**AU** = Stocked item in Australia

**NZ** = Stocked Item in New Zealand

Specialist Item, not stocked

## Product Code Selector

PRIME™ Systems	Size	Units	Description	Order Code	Notes	Stocked Item	
						AU	NZ
PRIME™ 37 Packs	4	Kg	PRIME37 R/H FAST 4KG PACK	F160-122			
	4	Kg	PRIME37 R/H STANDARD 4KG PACK	F160-123			
	4	Kg	PRIME37 R/H SLOW 4KG PACK	F160-108		AU	
	4	Kg	PRIME37 R/H EXTRA-SLOW 4KG PACK	F160-109			
PRIME™ 37 Resins	1000	Kg	PRIME37 RESIN 1000KG	F160-105			
	197	Kg	PRIME37 RESIN 197KG	F160-106		AU	
	16.2	Kg	PRIME37 RESIN 16.2KG A/F	F160-115		AU	
PRIME 38	1000	Kg	PRIME38 RESIN 1000KG	F160-125			
	205	Kg	PRIME38 RESIN 205KG	F160-126			
	16.9	Kg	PRIME38 RESIN 16.9KG A/F	F160-127		AU	
Ampreg™ 3X Fast Hardener	900	kg	AMPREG3X HARD FAST 900KG	F127-093	Mix ratio is 100:29 (by weight)		
	174	kg	AMPREG3X HARD FAST 174KG	F127-006			
	19	kg	AMPREG3X HARD FAST 19KG A/F	F127-008		AU	
	4.68	kg	AMPREG3X HARD FAST 4.68KG A/F	F127-010		AU	
Ampreg™ 3X Standard Hardener	900	kg	AMPREG3X HARD STANDARD 900KG	F127-097	Mix ratio is 100:29 (by weight)		
	174	kg	AMPREG3X HARD STANDARD 174KG	F127-013			
	19	kg	AMPREG3X HARD STANDARD 19KG A/F	F127-015		AU	
	4.68	kg	AMPREG3X HARD STANDARD 4.68KG A/F	F127-017		AU	
Ampreg™ 3X Slow Hardener	900	kg	AMPREG3X HARD SLOW 900KG	F127-098	Mix ratio is 100:29 (by weight)		
	174	kg	AMPREG3X HARD SLOW 174KG	F127-020			
	19	kg	AMPREG3X HARD SLOW 19KG A/F	F127-022		AU	
	4.68	kg	AMPREG3X HARD SLOW 4.68KG A/F	F127-024		AU	
Ampreg™ 3X Extra- slow Hardener	900	kg	AMPREG3X HARD EXTRA-SLOW 900KG	F127-094	Mix ratio is 100:29 (by weight)		
	174	kg	AMPREG3X HARD EXTRA-SLOW 174KG	F127-027			
	19	kg	AMPREG3X HARD EXTRA-SLOW 19KG A/F	F127-029		AU	
	4.68	kg	AMPREG3X HARD EXTRA-SLOW 4.68KG A/F	F127-031		AU	
PRIME™ High Tg Hardener	900	kg	PRIME HIGH Tg HARDENER 900KG	F160-116	Only to be used with PRIME™ 37 resin. Mix ratio is 100:25 (by weight)		
	167	kg	PRIME HIGH Tg HARDENER 167KG	F160-120			
	16.4	kg	PRIME HIGH Tg HARDENER 16.4KG A/F	F160-119		AU	
	4.1	kg	PRIME HIGH Tg HARDENER 4.1KG A/F	F160-121		AU	

PRIME™ resins and hardeners are compatible with the following dispense taps: Please contact your local customer service for availability on dispense taps.

Description	16 – 20 kg Resins	160 – 200 kg Resins	3.4 – 19 kg Hardeners	160 – 200 kg Hardeners
Dispense Tap	K342-016	K342-010	K342-016	K342-010

Note that relative ordering quantities are as follows:

System	Resin	Hardener
PRIME™ 37	3 x 1000kg PRIME™ 37 Resin	1 x 900kg Ampreg™ 3X Fast / Standard / Slow / Ex-slow Hardener
	2 x 1000kg PRIME™ 37 Resin	3 x 174kg Ampreg™ 3X Fast / Standard / Slow / Ex-slow Hardener
	2 x 1000kg PRIME™ 37 Resin	3 x 167kg PRIME™ High Tg Hardener
	1 x 197kg PRIME™ 37 Resin	3 x 19kg Ampreg™ 3X Fast / Standard / Slow / Ex-slow Hardener
	1 x 197kg PRIME™ 37 Resin	3 x 16.4kg PRIME™ High Tg Hardener
	1 x 18.6kg PRIME™ 37 Resin	1 x 4.68kg Ampreg™ 3X Fast / Standard / Slow / Ex-slow Hardener
	1 x 18.6kg PRIME™ 37 Resin	1 x 4.1kg PRIME™ High Tg Hardener

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Specialist Item, not stocked



## Spabond™ Adhesive Systems



Spabond™ adhesives offer outstanding performance in high-stress, high-load applications for Marine, Wind Energy and Civil Engineering applications.

- Spabond™ 400 Series: structural, high dynamic load applications
- Spabond™ 500 Series: specialist substrate and applications
- Spabond™ 700 Series: rapid structural adhesives

### Adhesive Chemistry Selector



























	Epoxy	Polyurethane	Acrylic	Cyanoacrylate	Methacrylates	Hot-melt	Silicone
Key Benefits	High strength & stiffness	Excellent toughness & durability	Good impact resistance & flexibility	Excellent adhesion to rubber & plastics	Excellent adhesion to plastics & polyester GRP laminates	Fast, large gap-filling	Excellent temperature resistance
Temperature Range	-55 to +180°C	-50 to +120°C	-50 to +120°C	-50 to +80°C	-55 to +120°C	-50 to +120°C	-50 to +200°C
<b>Substrate Adhesion</b>   ★★★★★ = Excellent   ★★★★ = Very Good   ★★★ = Good   ★★ = Fair   ★ = Poor							
Metal	★★★★★	★★★	★★★★★	★★★★	★★★	★★★	★★★
Plastic	★★	★★★★	★★★★★	★★★★★	★★★★★	★★★★	★★
Glass	★★★★★	★★★	★★★	★	★★★	★★★	★★★★
Rubber	★★	★★★	★	★★★★	★	★★	★★★
Wood	★★★★	★★	★★★	★★★	★★	★★★★★	★★
<b>Mechanical Performance</b>   ●●● = High   ●● = Medium   ● = Low							
Shear Strength	●●●	●●	●●	●●●	●●	●	●
Peel Strength	●●	●●	●●●	●	●●●	●●	●●
Elongation	●	●●●	●●●	●	●●●	●●●	●●●●
Stiffness / Modulus	●●●	●	●●	●●●	●	●●	●
<b>Environmental Resistance</b>   ★★★★★ = Excellent   ★★★★ = Very Good   ★★★ = Good   ★★ = Fair   ★ = Poor							
Polar Solvents (water, ethylene, acetone, glycol)	★★★★	★★★	★★★	★	★★★	★★★	★★★
Non-polar Solvents (motor oil, petrol)	★★★★★	★★★	★★★★	★★★	★	★★★	★
<b>Overall</b>	★★★★	★	★★★	★★★	★★	★	★

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**NZ** = Stocked Item in New Zealand

Specialist Item, not stocked


## System Selector

System	Speed	Cured Colour	Mix Ratio	Working Time*	Clamp Time*	Gap Filling*	Max Temp	Technical Datasheet	
<b>400 Series</b>	<b>Spabond™ 435</b> Ideal for thin bondlines such as core bonding, large surface areas and detailed work.	Fast		1/2 hour	4 hrs	5 – 10 mm	81°C	 <a href="#">Download PDF</a>	
	Slow		3 1/2 hrs	<16 hrs					
	<b>Spabond™ 440</b> Optimised for rapid dispense from cartridges or automated mixing machines.	Fast		3:1 (by volume)	1/2 hour	4 hrs	10 – 20 mm	84°C	 <a href="#">Download PDF</a>
	Slow		3 1/4 hrs		<16 hrs				
<b>Spabond™ 445</b> For large gap filling & filleting applications as well as high performance projects, with a black resin option available	Fast		3:1 (by volume)	1/2 hour	4 hrs	20 – 30 mm	87°C	 <a href="#">Download PDF</a>	
Slow		3 1/2 hrs		<16 hrs					
	<b>Spabond™ 400FR</b> Structural fire retardant epoxy adhesive.	Fast		1/2 hour	2 1/2 hrs	10 – 20 mm	90°C	 <a href="#">Download PDF</a>	
	<b>Spabond™ 5 Minute</b> Tacking and secondary bonding.			1:1 (by volume)	5 mins	20 mins	10 - 15mm	55°C	 <a href="#">Download (PDF)</a>
<b>500 Series</b>	<b>Spabond™ 540</b> High elongation, long bonding times. Low viscosity resin option for easier application in cartridges.	Standard		1:1 (by volume)	2 hrs	15 hrs	58°C	 <a href="#">Download (PDF)</a>	
	Slow		4 hrs		25 hrs	20 – 30mm	52°C		
	Extra Slow		6 1/2 hrs		tbc	58°C			
	<b>Spabond™ 545</b> Bonds multiple substrates found in general applications.	Fast		2:1 (by volume)	25 mins	5 hrs	0.2 - 20mm	63°C	 <a href="#">Download (PDF)</a>
	Slow		90 mins		10 hrs	61°C			
	<b>Spabond™ 568</b> Low density core bonding adhesive.			2:1 (by volume)	5 1/2 hrs	24 hrs	10mm	65°C	 <a href="#">Download (PDF)</a>
	<b>Spabond™ 570</b> Bonds all woods. Easy mixing/smooth spreading, can be used with automated mixing machines.			1:1 (by volume)	1 1/2 hrs	-	10 - 20mm	55°C	 <a href="#">Download (PDF)</a>
<b>700 Series</b>	<b>Spabond™ 730</b> High strength, rapid curing. General purpose adhesive.			1:1 (by volume)	10 mins	1 hr	10 - 15mm	60°C	 <a href="#">Download (PDF)</a>

\*working time properties are highly subjective to ambient conditions and should be used as an approximate guideline for all Spabond™ systems at 20°C. Please refer to the corresponding page of this document for specific testing methods used.

**AU** = Stocked item in Australia

**NZ** = Stocked Item in New Zealand

 = Specialist Item, not stocked

Product Code Selector

Spabond™ Type	Size	Units	Description	Order Code	Notes	Stocked Item		
						AU	NZ	
435	R/H Fast	20x385	ml	SP435 R/HF 385ml CART/BOX OF 20	F647-020		AU	
	R/H Slow	20x385	ml	SP435 R/HSL 385ml CART/BOX OF 20	F647-021		AU	
	Resin	200	kg	SPABOND 435 RESIN 200KG	F647-022			
	Resin	20	kg	SPABOND 435 RESIN 20KG S/S	F647-023			
	Resin	10	kg	SPABOND 435 RESIN 10KG	F647-007			
	Resin	5	kg	SPABOND 435 RESIN 5KG	F647-024		AU	
440	R/H Fast	20x385	ml	SP440 R/HF 385ml CART/BOX OF 20	F647-025		AU	
	R/H Fast	10x800	ml	SP440 R/HF 800ml CART/BOX OF 10	F647-037			
	R/H Slow	20x385	ml	SP440 R/HSL 385ml CART/BOX OF 20	F647-026		AU	NZ
	R/H Slow	10x800	ml	SP440 R/HSL 800ml CART/BOX OF 10	F647-038			
	Resin	200	kg	SPABOND 440 RESIN 200KG	F647-027			
	Resin	20	kg	SPABOND 440 RESIN 20KG S/S	F647-028		AU	
	Resin	10	kg	SPABOND 440 RESIN 10KG	F647-008			
	Resin	5	kg	SPABOND 440 RESIN 5KG	F647-029		AU	
445	R/H Fast	20x385	ml	SP445 R/HF 385ml CART/BOX OF 20	F647-030			
	R/H Fast	20x385	ml	SP445 RBL/HF 385ml CART/BOX OF 20	F647-048	Black	AU	NZ
	R/H Slow	20x385	ml	SP445 R/HSL 385ml CART/BOX OF 20	F647-031		AU	
	Resin	200	kg	SPABOND 445 RESIN BLACK 200KG	F647-049	Black		
	Resin	20	kg	SPABOND 445 RESIN BLACK 20KG S/S	F647-050	Black		
	Resin	10	kg	SPABOND 445 RESIN BLACK 10KG	F647-046	Black		
	Resin	5	kg	SPABOND 445 RESIN BLACK 5KG	F647-051	Black		
	Resin	200	kg	SPABOND 445 RESIN 200KG	F647-032			
	Resin	20	kg	SPABOND 445 RESIN 20KG S/S	F647-033			
	Resin	10	kg	SPABOND 445 RESIN 10KG	F647-009			
400 Fast	Fast	186	kg	SPABOND 400 FAST HARDENER 186KG	F647-013			
	Fast	20.7	kg	SPABOND 400 FAST HARDENER 20.7KG S/S	F647-014			
	Fast	6.2	kg	SPABOND 400 FAST HARDENER 6.2KG	F647-010	Use with Spabond™ 435, 440 & 445		
	Fast	3.1	kg	SPABOND 400 FAST HARDENER 3.1KG	F647-015		AU	
	Fast	1.6	kg	SPABOND 400 FAST HARDENER 1.6KG	F647-012		AU	
	Slow	180	kg	SPABOND 400 SLOW HARDENER 180KG	F647-017			
400 Slow	Slow	20	kg	SPABOND 400 SLOW HARDENER 20KG S/S	F647-018	Use with Spabond™ 435, 440 & 445		
	Slow	6	kg	SPABOND 400 SLOW HARDENER 6KG	F647-011			
	Slow	3	kg	SPABOND 400 SLOW HARDENER 3KG	F647-019		AU	
	Slow	1.5	kg	SPABOND 400 SLOW HARDENER 1.5KG	F647-016		AU	
	R/H	20x385	ml	SPABOND 400FR R/HF 385ml CART/BOX OF 20	F695-008			
400FR	Resin	20	kg	SPABOND 400FR RESIN 20KG S/S	F695-006			
	Fast	5.4	kg	SPABOND 400FR FAST HARDENER 5.4KG	F695-007			
5 Min	R/H	20x400	ml	SP 5-MIN.ADH.R/H 400ml CARTRIDGE/BOX 20	F652-021			
	Resin	20x310	ml	SP 5-MIN.ADH.RES.310ml N/PIGCART/BOX 20	F652-025			
	Fast	20x310	ml	SP 5-MIN.ADH.HARD.310ml N/PIGCART/BOX 20	F652-027			

**AU** = Stocked item in Australia

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**Specialist Item, not stocked**

Spabond™	Type	Size	Units	Description	Order Code	Notes	Stocked Item	
							AU	NZ
540	R/H Standard	12x600	ml	SP540LV R/HSTD 600ml CART/BOX OF 12	F648-045			
	R/H Slow	12x600	ml	SP540LV R/HSL 600ml CART/BOX OF 12	F648-054			
	Resin	200	kg	SP540 RESIN 200KG	F648-042			
	Resin	20	kg	SP540 RESIN 20KG S/S	F648-055		AU	
	Standard	18.4	kg	SP540 STANDARD HARDENER 18.4KG S/S	F648-009			
	Standard	184	kg	SP540 HARD STD 184KG	F648-033			
	Slow	18.6	kg	SP540 SLOW HARDENER 18.6KG S/S	F648-051		AU	
	Slow	186	kg	SP540 SLOW HARDENER 186KG	F648-038			
	Extra-slow	18.2	kg	SP540 HARD EXTRA SLOW 18.2KG S/S	F648-056			
545	R/H Fast	20x400	ml	SPABOND 545 R/HF 400ml CARTS/BOX OF 20	F675-003		AU	
	R/H Slow	20x400	ml	SPABOND 545 R/HSL 400ml CARTS/BOX OF 20	F675-004			
	Resin	20	kg	SPABOND 545 RESIN 20KG S/S	F675-005			
	Fast	18.8	kg	SPABOND 545 FAST HARD 18.8KG S/S	F675-006			
	Slow	18.4	kg	SPABOND 545 SLOW HARD 18.4KG S/S	F675-007			
568	Resin	17.5	kg	SP568 RESIN 17.5KG	F654-023			
	Hardener	7.7	kg	SP568 HARD EXTRA-SLOW 7.7KG S/S	F654-025			
570	Resin	20	kg	SP570 RESIN 20KG S/S	F640-023			
	Resin	5	kg	SP570 RESIN 5KG	F640-019			
	LV Hardener	20	kg	SP570LV HARD STANDARD 20KG S/S	F640-026			
	LV Hardener	5	kg	SP570LV HARD STANDARD 5KG	F640-025			
730	R/H Fast	20x400	ml	SP730 R/H 400ml CART/BOX 20	F650-007			

## Spabond™ Ancillary Products & Ordering Quantities

Spabond™ cartridges are compatible with the following dispensers and mix-heads:

Description	310ml (mono-component)	385ml (3:1 by volume)	400ml (1:1 by volume)	400ml (2:1 by volume)	600ml (1:1 by volume)	800ml (3:1 by volume)	900ml (2:1 by volume)
Spabond™	5-Min	435 440 445 400FR	5-Min 730	340 345 545	540	440	340
Manual Dispenser	Please contact Gurit Technical Support	K215-079	K215-081	K215-081	K215-080	K215-044* K235-002	K215-044
Pneumatic Dispenser		K215-082	K215-022	K215-022	K215-050	K215-039* K235-002	K215-039
Mix-heads (bag of 20)		A640-038	A640-037	A640-037	A640-038	A640-021	A640-021

\*guns require minor modification, please contact Gurit Technical Support for further information

\*\*for information only – not available to order

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**Specialist Item, not stocked**

Note that relative ordering quantities are as follows:

System	Resin	Hardener
Spabond™ 435 Spabond™ 440 Spabond™ 445	3 x 200KG drum Spabond™ 400 Resin	1 x 186/180KG drum Spabond™ 400 Fast/Slow Hardener
	1 x 200KG drum Spabond™ 400 Resin	3 x 20.7/20KG drum Spabond™ 400 Fast/Slow Hardener
	3 x 20KG drum Spabond™ 400 Resin	1 x 20.7/20KG pails Spabond™ 400 Fast/Slow Hardener
	1 x 20KG drum Spabond™ 400 Resin	1 x 6.2/6KG pails Spabond™ 400 Fast/Slow Hardener
	1 x 10KG pails Spabond™ 400 Resin 1 x 5KG pails Spabond™ 400 Resin	1 x 3.1/3KG pail Spabond™ 400 Fast/Slow Hardener 1 x 1.6/1.5KG pail Spabond™ 400 Fast/Slow Hardener
Spabond™ 400FR	1 x 20KG drum Spabond™ 400FR Resin	1 x 5.4KG pails Spabond™ 400FR Fast Hardener
Spabond™ 5 Minute	F652-025 & F652-027 are supplied non-pigmented in individual 310ml tubes. Please contact Gurit Technical Support for further information on dispensers for this item.	
Spabond™ 540	1 x 200kg pail Spabond™ 540 Resin	1 x 184kg pail Spabond™ 540 Standard Hardener
	1 x 200kg pail Spabond™ 540 Resin	1 x 186kg pail Spabond™ 540 Slow Hardener
	1 x 200kg pail Spabond™ 540 Resin	10 x 18.2kg pail Spabond™ 540 Ex-Slow Hardener
Spabond™ 545	2 x 20kg pail Spabond™ 545 Resin	1 x 18.8kg pail Spabond™ 545 Fast Hardener
	2 x 20kg pail Spabond™ 545 Resin	1 x 18.4kg pail Spabond™ 545 Slow Hardener
Spabond™ 568	1 x 17.5kg pail Spabond™ 568 Resin Spabond™ 568 is not supplied in cartridges	1 x 7.7kg pail Spabond™ 568 Ex-slow Hardener
Spabond™ 570	1 x 20kg pail Spabond™ 570 Resin	1 x 20kg pail Spabond™ 570LV Hardener
	1 x 5kg pail Spabond™ 570 Resin Spabond™ 570 is not supplied in cartridges.	1 x 5kg pail Spabond™ 570LV Hardener
Spabond™ 730	Spabond™ 730 is only supplied in cartridges.	



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**Specialist Item, not stocked**

# Reinforcements

## E-Glass Reinforcements

### E-Glass Woven Cloth (0°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
R111-236	86 g/m <sup>2</sup> Plain Weave E-Glass 1300 wide	m <sup>2</sup>	130.00 m <sup>2</sup>	AU	NZ
R111-203	RE165T/1270 - 165 g/m <sup>2</sup> 2x2 Twill weave E-Glass 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R111-113	295 g/m <sup>2</sup> 4HS Weave E-Glass 1240 wide	m <sup>2</sup>	124.00 m <sup>2</sup>	AU	
R111-117	301 g/m <sup>2</sup> 8HS Weave E-Glass 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	
4018	E Glass Cloth 125g/m 760mm	m <sup>2</sup>	76.00 m <sup>2</sup>		NZ
4040	E Glass Cloth 200g/m <sup>2</sup> x 1020mm	m <sup>2</sup>	102.00 m <sup>2</sup>	AU	NZ
4070	E Glass Cloth 290g/m <sup>2</sup> x 1020mm	m <sup>2</sup>	102.00 m <sup>2</sup>		NZ
4078	E-Glass 287gm Plain Weave Cloth - Silane finish	m <sup>2</sup>	100.00 m <sup>2</sup>		NZ

### E-Glass Unidirectional (0°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4160	E Glass Uni 450g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	94.99 m <sup>2</sup>		NZ
4173	E Glass Uni 850g/m <sup>2</sup> x 100mm	lm	60.00lm		NZ
4174	E Glass Uni 850g/m <sup>2</sup> x 150mm	lm	60.00lm		NZ
4181	E Glass Uni 850g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	55.81 m <sup>2</sup>		NZ

### E-Glass Double Bias (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4360	E Glass Double Bias 415gm <sup>2</sup> x 1270mm	m <sup>2</sup>	120.35 m <sup>2</sup>	AU	NZ
4400	E Glass Double Bias 625g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	64.00 m <sup>2</sup>	AU	NZ
4430	E Glass Double Bias 820g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	48.48 m <sup>2</sup>	AU	NZ

### E-Glass Double Bias Tapes (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4363	E Glass Double Bias 415gm <sup>2</sup> x 100mm	lm	94.76lm		NZ
4364	E Glass Double Bias 415gm <sup>2</sup> x 200mm	lm	94.76lm		NZ
4366	E Glass Double Bias 415gm <sup>2</sup> x 150mm	lm	94.76lm		NZ
4403	E Glass Double Bias 625g/m <sup>2</sup> x 100mm	lm	50.39lm		NZ
4406	E Glass Double Bias 625g/m <sup>2</sup> x 150mm	lm	50.39lm		NZ
4409	E Glass Double Bias 625g/m <sup>2</sup> x 200mm	lm	50.39lm		NZ
4433	E Glass Double Bias 820g/m <sup>2</sup> x 100mm	lm	38.17lm		NZ
4436	E Glass Double Bias 820g/m <sup>2</sup> x 150mm	lm	38.17lm		NZ
4438	E Glass Double Bias 820g/m <sup>2</sup> x 200mm	lm	38.17lm		NZ
4033	E Glass Double Bias 820g/m <sup>2</sup> x 350mm	lm	38.17lm		NZ

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Specialist Item, not stocked

### E-Glass Biaxial (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4211	E Glass Biaxial 420g/m <sup>2</sup> x 1270	m <sup>2</sup>	95.68 m <sup>2</sup>	AU	
4215	E Glass Biaxial 615g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	65.04 m <sup>2</sup>	AU	NZ
4235	E Glass Biaxial 825g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	60.50 m <sup>2</sup>	AU	NZ

### E-Glass Double Bias with CSM (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4540	E Glass DBiasM 602g/m <sup>2</sup> + CSM225g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	59.85 m <sup>2</sup>		NZ
4543	E Glass DBiasM 602g/m <sup>2</sup> + CSM 225g/m <sup>2</sup> x 100mm	lm	47.13lm		NZ
4546	E Glass DBiasM 602g/m <sup>2</sup> + CSM 225g/m <sup>2</sup> x 150mm	lm	47.13lm		NZ

### E-Glass Biaxial with CSM (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4212	BE450/1270 - 450g/m <sup>2</sup> 0/90 Biaxial E-Glass 1270 wide	m <sup>2</sup>	101.60 m <sup>2</sup>		NZ
4263	E Glass Biaxial Mat 630g/m <sup>2</sup> with 225g/m <sup>2</sup> mat - 1270mm wide	m <sup>2</sup>	57.65 m <sup>2</sup>		NZ
4284	E Glass BiaxM 855g/m <sup>2</sup> + CSM225g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	44.70 m <sup>2</sup>		NZ

### E Glass Quadraxial

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4655	E Glass Quadraxial 610g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	65.88 m <sup>2</sup>	AU	NZ
4661	E Glass Quadraxial 851g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	58.80 m <sup>2</sup>	AU	NZ
4674	E Glass Quadraxial 1178g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	42.40 m <sup>2</sup>	AU	NZ

### E-Glass Triaxial (0°/+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4628	E Glass Triaxial Warp 810g/m <sup>2</sup> x 1270mm (0/+45/-45)	m <sup>2</sup>	49.40 m <sup>2</sup>		NZ
4615	E Glass Triaxial Fill Unbal 920g/m <sup>2</sup> x 1270mm (90/+45/-45)	m <sup>2</sup>	4.56 m <sup>2</sup>		NZ
4635	E Glass Triaxial 1100g/m <sup>2</sup> x 1270mm wide (0/+60/-60)	m <sup>2</sup>	48.82 m <sup>2</sup>		NZ

### E-Glass Chopped Strand Mat (CSM)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4736	CSM300 g/m <sup>2</sup> (PC) 1270mm - Powder Bound	kg	35.00kg		NZ
4738	CSM300 g/m <sup>2</sup> (PC) 1040mm - Powder Bound	kg	30.00kg		NZ
4750	CSM450 g/m <sup>2</sup> (PC) 1270mm - Powder Bound	kg	35.00kg		NZ
4752	CSM450 g/m <sup>2</sup> (PC) 1040mm - Powder Bound	kg	30.00kg		NZ

### E-Glass Roving Roving (0°/90°)

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  = Specialist Item, not stocked



Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4687	E Glass Woven Roving 801g/m <sup>2</sup> x 1270mm	kg	50.00kg		NZ
4690	E-Glass Woven Roving 630g/m with 450CSM x 1240mm	m <sup>2</sup>	43.33 m <sup>2</sup>		NZ

#### Other

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6179	Innegra Fabric 68gsm x 760mm	m <sup>2</sup>	38.00 m <sup>2</sup>		NZ
3692	Matline 2mm x 1000mm	m <sup>2</sup>	80.00 m <sup>2</sup>		NZ
3693	Matline 3mm x 1000mm	m <sup>2</sup>	50.00 m <sup>2</sup>		NZ
3695	Matline 5mm x 1000mm	m <sup>2</sup>	30.00 m <sup>2</sup>		NZ

#### Flax

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
R127-001	XF363/1270 BIAx 45 AMPLITEX FLAX (5008)	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	NZ
R127-003	RF235/1100 29.6mm POWERRIBS (5022) M'MESH	m <sup>2</sup>	57.50 m <sup>2</sup>	AU	NZ
R167-002	UT-F275/1270 UD AMPLITEX FLAX (5025)	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	NZ
R117-002	RF300T/1000 2x2T FLAX (5040)	m <sup>2</sup>	50.00 m <sup>2</sup>	AU	NZ

## Carbon Reinforcements

#### Carbon Plain Weave (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
R113-007-1	RC200P - 200 g/m <sup>2</sup> Plain Weave 3K Carbon 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R113-007-9	RC200P - 200 g/m <sup>2</sup> Plain Weave 3K Carbon 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R113-007-8C	Carbon woven tape 210 g/m <sup>2</sup> x 25mm	lm	50.00lm	AU	

#### Carbon Twill & Weave Set Twill (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
R113-001-3	RC155T/1000mm - 155 g/m <sup>2</sup> Twill Weave 1K Carbon 1000 wide	m <sup>2</sup>	100.00 m <sup>2</sup>		NZ
R113-013-3	RC200T/1270 - 199 g/m <sup>2</sup> 2x2 Twill 3K Carbon 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R113-013-4	RC200T/1270 - 200 g/m <sup>2</sup> 2x2 Weave Set Twill 3K Carbon 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R113-013-5	RC200T/1270 - 200 g/m <sup>2</sup> 2x2 Weave Set Twill 3K Carbon 1270 wide	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	
R113-013-7	Carbon Cloth Twill Weave 241g/m <sup>2</sup> 3K x 1200mm	m <sup>2</sup>	120.00 m <sup>2</sup>	AU	NZ
6290	RC400T-1270 Carbon Cloth twill weave 12K 400g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	63.5 m <sup>2</sup>	AU	NZ
6296	RC600T(12k)/1500 - 600 g/m <sup>2</sup> 2x2 Twill Weave 12K Carbon 1500mm	m <sup>2</sup>	75 m <sup>2</sup>	AU	

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Specialist Item, not stocked

### Carbon Unidirectional (0°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6342	UT-C200/500 - 200g/m2 UD Carbon 500 wide	m <sup>2</sup>	50.00 m <sup>2</sup>	AU	NZ
6344A	UT-C300/500 - 300g/m2 UD Carbon 500 wide	m <sup>2</sup>	50.00 m <sup>2</sup>	AU	NZ
6351A	UT-C450/500 - 450g/m2 UD Carbon 500 wide	m <sup>2</sup>	50.00 m <sup>2</sup>	AU	NZ
6231D	Carbon Unidirectional Stitched 300gsm, 600mm wide (12k)	m <sup>2</sup>	30.00 m <sup>2</sup>		NZ
6350C	Carbon Unidirectional Stitched 450gsm, 600mm wide (12k)	m <sup>2</sup>	30.00 m <sup>2</sup>		NZ
6353G	Carbon Unidirectional 480gsm, 100mm wide	m <sup>2</sup>	50.00lm	AU	

### Carbon Double Bias (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
R123-101	Carbon Double Bias 100g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
R123-083	Carbon Double Bias 150g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
6223C	Carbon Double Bias 200g/m <sup>2</sup> x 1270	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	
6232C	Carbon Double Bias 12K 310g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	NZ
6251C	Carbon Double Bias 410g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	127.00 m <sup>2</sup>	AU	NZ
6257	Carbon Double Bias 600g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	

### Carbon Double Bias Tapes (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6259C	Carbon Double Bias 400g/m <sup>2</sup> x 50mm	lm	100.00lm	AU	
6252A	Carbon Double Bias 400g/m <sup>2</sup> x 100mm	lm	100.00lm	AU	NZ
6249A	Carbon Double Bias 400g/m <sup>2</sup> x 150mm	lm	100.00lm	AU	NZ
6249B	Carbon Double Bias 400g/m <sup>2</sup> x 200mm	lm	100.00lm	AU	NZ
6255A	Carbon Double Bias 400g/m <sup>2</sup> x 250mm	lm	100.00lm	AU	
6249C	Carbon Double Bias 400g/m <sup>2</sup> x 300mm	lm	100.00lm		
6260C	Carbon Double Bias 400g/m <sup>2</sup> x 380mm	Lm	100.00lm	AU	NZ
6261C	Carbon Double Bias 400g/m <sup>2</sup> x 410mm	lm	100.00lm	AU	

### Carbon Biaxial (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6204C	Carbon Biaxial 510g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	NZ

### Carbon Quadraxial (0°/90°/+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6271	Carbon Quadraxial 806gm x 1270mm	m <sup>2</sup>	50.80 m <sup>2</sup>	AU	NZ
6269	Carbon Quadraxial 605g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	63.5 m <sup>2</sup>	AU	

AU

= Stocked item in Australia

NZ

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### Carbon Sox (+45°/-45°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6414	Carbon Braided Sox 302gm x 19.1mm	lm	Varies	AU	
6410	Carbon Braided Sox 280gm x 25.4mm	lm	Varies	AU	NZ
6413	Carbon Braided Sox 281gm x 38.1mm	lm	Varies	AU	
6405	Carbon Braided Sox 255gm x 50.8mm	lm	Varies	AU	NZ
6404	Carbon Braided Sox 244gm x 76.2mm	lm	Varies	AU	
6403	Carbon Braided Sox 266gm x 101.6mm	lm	Varies	AU	

### Aramid (0°/90°)

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
6141	Aramid Cloth 5HS 320g/m <sup>2</sup> x 1270mm	m <sup>2</sup>	62.50 m <sup>2</sup>		NZ
R112-003-2	RA175P/1270 - 175 g/m <sup>2</sup> Plain Weave Aramid 1270 wide	m <sup>2</sup>	63.50 m <sup>2</sup>	AU	NZ

## Consumables

### Peel Ply - Full width Rolls & Tapes

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
8061	Peelply (Polyester) Red Stripe 92gsm-1500mm	m <sup>2</sup>	300.00m <sup>2</sup>	AU	NZ
8050A	Peelply Red Stripe 85 gsm x 25mm	lm	100.00lm	AU	
8063A	Peelply Red Stripe 85 gsm x 50mm	lm	100.00lm	AU	
8055A	Peelply Red Stripe 85 gsm x 100mm	lm	100.00lm	AU	
8064A	Peelply Red Stripe 85 gsm x 120mm	lm	100.00lm	AU	
8056A	Peelply Red Stripe 85 gsm x 150mm	lm	100.00lm	AU	NZ
8057A	Peelply Red Stripe 85 gsm x 200mm	lm	100.00lm		NZ
8058A	Peelply Red Stripe 85 gsm x 200mm	lm	100.00lm	AU	NZ
8059A	Peelply Red Stripe 85 gsm x 400mm	lm	100.00lm	AU	
8060A	Peelply Red Stripe 85 gsm x 600mm	m <sup>2</sup>	60.00m <sup>2</sup>	AU	
8051A	Peelply Red Stripe 85 gsm x 750mm	m <sup>2</sup>	75.00m <sup>2</sup>		NZ
V620-004-AP	Peelply Red Stripe 85 gsm x 1000mm	m <sup>2</sup>	100.00m <sup>2</sup>	AU	
8052A	Peelply Red Stripe 85 gsm x 1270mm	m <sup>2</sup>	127.00m <sup>2</sup>	AU	NZ
8054A	Peelply Red Stripe 85 gsm x 1520mm	m <sup>2</sup>	152.00m <sup>2</sup>	AU	

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Specialist Item, not stocked

### Breather Material - Fluffy

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4002601	Breather felt 150g/m <sup>2</sup> x 1520mm wide	m <sup>2</sup>	152.00m <sup>2</sup>	AU	NZ
1006688	Combination Breather felt 150gsm / release film 30um P3 1500mm x100m	m <sup>2</sup>	150.00m <sup>2</sup>	AU	
8309	Combination Breather 150gsm & 40gsm release film & peelply 85gsm 1500mm	m <sup>2</sup>	150.00m <sup>2</sup>	AU	
8340	Mesh Breather / Bleeder x 910mm (45.5m <sup>2</sup> roll)	m <sup>2</sup>	45.50m <sup>2</sup>		NZ

### Infusion Mesh

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
1035429	Combination Infusion Medium blue knitted 150gsm / release film P16 1450mm x100m	m <sup>2</sup>	145.00m <sup>2</sup>	AU	
4002852	Infusion Medium Blue knitted mesh 150gsm x 1060mm x 100m	m <sup>2</sup>	106.00m <sup>2</sup>	AU	
4003081	Infusion Medium Green diamond mesh 230gsm x 1200mm x 50m	m <sup>2</sup>	60.00m <sup>2</sup>	AU	NZ

### Infusion Accessories

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4002930	FPF-50 (Enkachannel)	lm	100.00lm	AU	
4002833	FPF-100 (Enkachannel)	lm	100.00lm	AU	NZ
1035790	Vacuum Infusion Resin Break VMS4 150mm x 122m	lm	122.00lm	AU	
8944A	Polyethylene infusion Tubing 12mm ID 16mm OD (50lm / Roll)	lm	50.00lm	AU	NZ
8964A	Polyethylene infusion Tubing 10mm ID 14mm OD (50lm / Roll)	lm	50.00lm	AU	
8953A	Spiral tie/wrap 12mm ID/15mm OD (50m roll)	lm	50.00lm	AU	NZ
8965A	Spiral tie/wrap 10mm ID/13mm OD (50m roll)	lm	50.00lm	AU	
8947A	12mm OD Plastic Tee	ea	ea	AU	NZ
8946A	10mm OD Plastic Tee	ea	ea	AU	
8952A	Resin Control Valve 12mm	ea	ea	AU	NZ
8967A	Resin Control Valve 10mm	ea	ea	AU	
8941A	12mm OD Plastic Elbow	ea	ea	AU	NZ
8968A	10mm OD Plastic Elbow	ea	ea	AU	

### Perforated Release Films / Release Plastic

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
8410	Release Film Perforated 50mu x 2000mm	m <sup>2</sup>	200.00m <sup>2</sup>	AU	NZ
8454	Perforated Release Film Blue 30mu 1500mm (Perf 0.4mm dia, 6mm spacing)	m <sup>2</sup>	300.00m <sup>2</sup>		
1006509	Release film Red (A2000) 30um Non Perforated 1500mm x 400m	m <sup>2</sup>	600.00m <sup>2</sup>	AU	
1006510	Release film Red (A2000) 30um P3 1500mm x 400m	m <sup>2</sup>	600.00m <sup>2</sup>	AU	NZ
1006446	Release film Blue (A6000) 20um P12 1300mm x150m	m <sup>2</sup>	195.00m <sup>2</sup>		NZ
10035664	Release film Orange (A2200) 25um P31 1450mm x 600m	m <sup>2</sup>	870.00m <sup>2</sup>	AU	

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Specialist Item, not stocked

## Vaccum Bagging

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
1035809	Vacuum film Violet 50um x 200mm Tube x 200m	lm	200.00lm	AU	
1007354	Vacuum film Violet 50um x 300mm Tube x 500m	lm	500.00lm	AU	
1035695	Vacuum film Violet 50um x 700mm Tube x 305m	lm	305.00lm	AU	
1007355	Vacuum film Violet 50um x 1.5m Tube x 300m	m <sup>2</sup>	900.00m <sup>2</sup>	AU	NZ
1007101	Vacuum film Violet 75um x 1m (2m open) x 220m	m <sup>2</sup>	440.00m <sup>2</sup>	AU	NZ
1007104	Vacuum film Violet 75um x 1.2m (2.4m open) x 220m	m <sup>2</sup>	528.00m <sup>2</sup>		
1007103	Vacuum film Violet 75um x 2m (4m open) x 150m	m <sup>2</sup>	600.00m <sup>2</sup>	AU	NZ
1007116	Vacuum film Violet 75um x 3m (6m open) x 110m	m <sup>2</sup>	660.00m <sup>2</sup>	AU	
4030439	Vacuum film Green 80um x 2m (8m open) x 80m	m <sup>2</sup>	640.00m <sup>2</sup>	AU	
4003768	Vacuum film Green 80um x 3m (12m open) x 75m	m <sup>2</sup>	900.00m <sup>2</sup>	AU	
1007254	Vacuum film Pink 50um x 200mm Tube x 200m	lm	200.00lm		NZ
1007251	Vacuum film Pink 50um x 300mm Tube x 500m	lm	500.00lm		NZ
1033973	Vacuum film Pink 50um x 460mm Tube x 305m	lm	305.00lm		NZ
1033974	Vacuum film Pink 50um x 690mm Tube x 305m	lm	305.00lm		NZ
4003077	Vacuum film High Elongation Clear 50um 2.05m x 250m	m <sup>2</sup>	512.50m <sup>2</sup>	AU	NZ

## Sealant Tapes

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4031492	Sealant tape VS1090 black 2.5mm x 12.7mm x 15.24m	ea	22/carton	AU	NZ
4032293	Sealant tape High Temp VS2042 Yellow 3.18mm x 12.7mm x 7.62m	ea	40/carton	AU	NZ

## Flash Breaker Tape

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4002662	Flashtape1 Blue, Silicone, 62um x 25mm x 66m	ea	66.00lm	AU	NZ
4001507	Flashtape1 Blue, Silicone, 62um x 50mm x 66m	ea	66.00lm	AU	NZ

## Heat Shrink Tape

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4002722	Heat Shink Tape Clear 32mm x 91m	ea	91.00lm	AU	
4002724	Heat Shink Tape Clear 63mm x 91m	ea	91.00lm	AU	

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Specialist Item, not stocked

### Spray Adhesive

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
8525	TensorGrip - TC42 Green Super Strenght Infusion RTM Spray Adhesive - 500ml Aerosol (12/ctn)	ea	12/carton		NZ
8526	TensorGrip - TC42 Super Strenght Infusion RTM Spray Adhesive - 500ml Aerosol (12/ctn)	ea	12/carton		NZ
8521	TensorGrip - TC43 Green Superweb infusion Spray Adhesive - 500ml Aerosol (12/ctn)	ea	12/carton	AU	NZ
8523	TensorGrip - TC49 Green Super Fine Mist Infusion Spray Adhesive - 500ml Aerosol (12/ctn)	ea	12/carton		
8524	TensorGrip - TC49 Super Fine Mist Infusion Spray Adhesive - 500ml Aerosol (12/ctn)	ea	12/carton	AU	NZ
8531	TensorGrip - TC43 Green SuperWeb Infusion Spray Adhesive Canister 22L	ea	ea	AU	
8530	TensorGrip - TC49 Super Fine Mist Infusion Spray Adhesive Canister 22L	ea	ea	AU	
8528	TensorGrip - Black Runner Hose 8m	ea	ea		
8529	TensorGrip - Professional Spray Gun	ea	ea		

### PTFE Film - Adhesive Backed Mould Release Film

Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4004536	PTFE Silicone Tool release 135gsm glass fabric, 75um, 1000mm	m <sup>2</sup>	30.00m <sup>2</sup>	AU	
750-001	Adhesive backed PTFE 1000mm	m <sup>2</sup>	30.00m <sup>2</sup>		NZ
1006485	LETAPE PTFE adhesive tape 50mm x 33lm	ea	33lm		NZ

### Other Vacuum Equipment

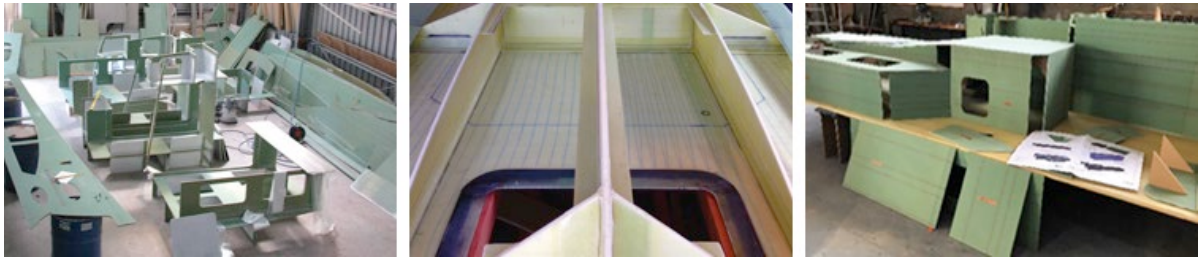
Gurit Item #	Item Description	Units	Roll Size	Stocked Item	
				AU	NZ
4004159	2 Part Aluminium Through Bag Fitting 50mm Base	ea	ea	AU	
4004156	3 Part Aluminium Through Bag Fitting 50mm Base	ea	ea	AU	
4004147	Brass Quick Disconnect Socket	ea	ea	AU	
4004140	Brass Quick Disconnect Plug	ea	ea	AU	
1009443	High Temp Silicone Vacuum Hose 5m	ea	ea	AU	
8016	VacPac	ea	ea	AU	NZ
8017	VacPac pouch- pack 25	ea	ea	AU	NZ

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# Gurit Hi-Panels



Gurit specializes in the development and manufacture of engineered structural composite panels specifically designed for light-weighting in custom marine or industrial applications to save time, cost and overall waste.

Hi-Panel system provides the builders the ease and confidence to build with high quality composite sandwich infused panels, delivered ready for assembly with an easy to follow diagram and pre labelled parts.

## Benefits of building with Hi-Panels:

- Reduced build time with kitset panels
- Reduced set up and labour costs
- Reduced overall waste
- Precision assembly & fitting
- Panels can be pre-cut to shape
- Delivered as finished panels
- Improved quality control

## Unique Features:

- Maximum panel size of 9m x 2m, less joining and less fairing, maximum strength and minimum weight
- Structurally engineered solution by in house team
- Access to a full range or core materials and reinforcements
- Peel ply surface both sides for bonding and surface protection

## Suitable for:

- Power and sailing catamarans
- Cruising and racing yachts
- Work boats and high speed ferries
- Recreational and pleasure craft
- Sports boats, kayaks and dinghies
- Caravans, RV's and truck bodies, sidewalls floors and interior furniture
- Awnings roofs, and exterior cladding move-able architectural structures, bridge decks and removable walkways

Note: Hi-Panels are currently only available in Australia, New Zealand and the Pacific Island.

Contact Gurit on email at <mailto:info-nz@gurit.com> or phone 64 9 415 6262 for more information.

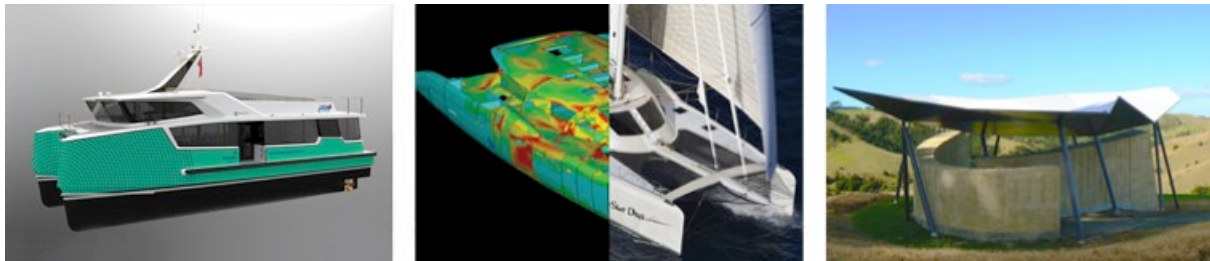
**AU** = Stocked item in Australia

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# Gurit Structural Engineering



Gurit Composite Engineering is a specialist consulting company, providing independent services within the field of Lightweighting and Structural Engineering for Fibre Reinforced Polymers (FRP) and Carbon Fibre Reinforced Polymers (CFRP).

We are the engineering backbone for Gurit offering independent composite engineering services to designers and manufacturers since the 1980s.

We are proud to share our know-how and demonstrate a solid track record of key engineering services for racing boats, superyachts, production boats, workboats, cars, buses, civil and architectural structures, and industrial components.

A core team of 40 qualified and dedicated composite engineers in the New Zealand, United Kingdom, France are keen to support customers, business partners and projects around the globe with the full range of capabilities tailored to the specific project and needs. We cover all time zones and geographies.

Gurit Composite Engineering, GCE, is a part of the Gurit group, active in various fields of advanced composites, i.e. materials development, materials manufacture, testing, processing advice, tools and prototyping, as well as parts manufacture. Hence, together with our group partners we can offer a wider scope for FRP and CFRP solutions if so needed.

## Engineering Tasks include:

- Conceptual design
- Laminate design & optimisation
- Analysis using in-house tools
- FEA static, nonlinear and dynamic analysis including crash simulation
- CAD
- On-site engineering support
- On site data acquisition and monitoring
- Certification authority liaison
- Mechanical testing of materials in our accredited testing lab
- Weight and cost estimates and optimisation
- Design review, peer review, inspection and repair specifications

## Software utilised in-house includes:

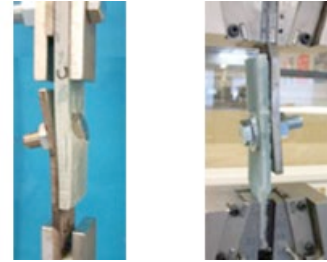
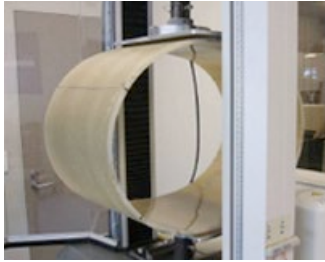
- Proprietary specialist software
- AutoCAD
- SolidWorks
- Rhino
- Hyperworks

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# Gurit Mechanical Testing



Key to the design of composite materials is understanding how the material behaves and performs. Gurit engineering runs an internationally accredited mechanical testing laboratory specialised in FRP composites for our customers. Mechanical testing can be done for a number of purposes:

- Design certification and third party approval of as-built properties
- Post build surveys, forensics or to establish repair specifications
- Establish baseline materials properties for design
- Research and development to test new idea, validate concepts and build methods

Key to the success of this laboratory is that it is run by experienced composite design engineers who are available to help you to design an appropriate materials test program for your needs. This includes design of test specimens for standard programs, design and implementation of customised and specific tests, interpretation and reporting on the results to enable them to be implemented into your project or process.

In addition to the mechanical testing at the Auckland site the test lab is also linked with Gurit's extensive test lab in the UK for a variety of testing as well as links to universities and commercial laboratories for specialised testing.

## Mechanical testing laboratory set up with:

- Instron 3369 load frame with 50kN load cell using latest Bluehill Universal Software. A-grade annual calibration report available upon request
- LVDT (Linear Variable Displacement Transducer) - Large scale displacement measurement
- Extensometer - Initial modulus/strain measurement
- Strain gauge controller - Calibrated Vishay 2 Channel Controller. Direct strain measurement including strain to failure.
- Full range of test fixtures for accredited testing



**Gurit provides accredited testing to the following standards:**

**a) Tensile tests in accordance with the following standards up to 50 kN force**

ASTM C297/C297M Flatwise tensile strength of sandwich constructions  
ASTM D1623 Tensile and tensile adhesion properties of rigid cellular plastics  
ASTM D3039/D3039M Tensile properties of polymer matrix composite materials  
ISO 527-5 Plastics Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites

**(b) Compression tests in accordance with the following standards up to 50 kN force**

ASTM C365/C365M Flatwise compressive properties of sandwich cores  
ASTM D1621 Compressive properties of rigid cellular plastics  
ASTM D6641/D6641M Compressive properties of polymer matrix composite materials using a combined loading compression (CLC) test fixture  
ISO 844 Rigid cellular plastics – Determination of compression properties

**(c) Flexure and stiffness in accordance with the following standards**

AS 3572.10 Determination of the initial ring stiffness of glass filament reinforced plastic pipes (constant deflection test only)  
ASTM D790 Flexural properties of unreinforced and reinforced plastics and electrical insulating materials  
ASTM D2344/D2344M Short-beam strength of polymer matrix composite materials and their laminates  
ASTM D2412 Determination of external loading characteristics of plastic pipe by parallel-plate loading  
ASTM D6272 Flexural properties of unreinforced and reinforced plastics and electrical insulating materials by four-point bending  
ASTM D7249/D7249M Facing properties of sandwich constructions by long beam flexure  
ASTM D7250/D7250M Determining sandwich beam flexural and shear stiffness

**(d) Shear strength in accordance with the following standards**

ASTM C273/C273M Shear properties of sandwich core materials by parallel plate loading  
ASTM C393/C393M Core shear properties of sandwich constructions by beam flexure  
ASTM D3165 Strength properties of adhesives in shear by tension loading of single-lap-joint laminated assemblies  
ASTM D3528 Strength properties of double lap shear adhesive joints by tension  
ASTM D7078/D7078M Standard test method for shear properties of composite materials by V-notched rail shear method

**(e) Density and specific gravity in accordance with the following standards**

ASTM C271/C271M Density of sandwich core materials

**(f) Constituent tests in accordance with the following standards**

ASTM D3171 Constituent content of composite materials (weight fraction test only)

**(h) Other tests**

ASTM D5961/D5961M Bearing response of polymer matrix composite laminates (ultimate bearing strength test only)

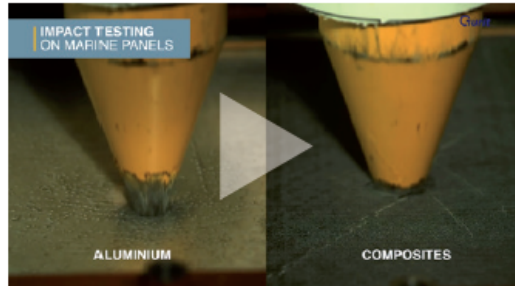
**Custom and speciality testing:**

ASTM D695 Compressive Properties of Rigid Plastics  
ISO 8521 Hoop Tensile Strength of Pipe  
ISO 8513 Longitudinal Tensile Strength of Pipe  
AS 4257.6 (Plastic roof and wall cladding materials – determination of impact resistance)  
Screw retention in composite panels  
Indentation resistance  
Curved beam flexure (through thickness tension)  
Peel

# Core Slamming Performance and Impact Testing Results

Gurit has embarked on a campaign of mechanical testing to evaluate the toughness of various hull configurations to compare impacts and to simulate encounters with floating debris, or fixed structures like wharves and markers.

View drop testing video and results below, scan QR code or type url into web browser.



<https://vimeo.com/guritgroup/impact>

Our accreditations:



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# Gurit Contacts for Asia Pacific



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Asia	Sales	T: +64 (0)9 415 6262 / F: +64 (0)9 415 7262

## GLOBAL PRESENCE

Gurit is headquartered in Switzerland, listed on the Swiss stock exchange and operates over 20 production sites and offices in Australia, Canada, China, Denmark, Ecuador, India, Italy, Mexico, New Zealand, Poland, Spain, Switzerland, Turkey, United Kingdom and the United States.

