

Structural **Adhesives**



Under the umbrella of IPS Adhesives, Scigrip brand comes together with other adhesive brands Integra, Unika and Arjay to offer a wide range of adhesive chemistries and bonding solutions with production and distribution facilities in the USA and Europe.

For over 65 years, we've invested in innovation to provide cutting edge formulations of Methacrylate adhesives that are unrivalled for their combination of strength, toughness and ease of use.

Scigrip brand manufactures a wide range of high performing methacrylate adhesives, for use in serving the transportation, marine and construction industries.

Scigrip products are used in a multitude of structural applications all around the world, from composite bridges to product assembly to maritime applications, Scigrip is an industry favourite for bonding advance composites with little or no surface preparation.

Our SubstrateMatch database system makes it easy to find a product that fits your specific bonding needs.

Scigrip delivers unsurpassed value and unmatched flexibility to ensure you receive the right solution for your project. Our technical support team will partner with you to ensure our products are adapted to fit your needs. We are ISO9001, ISO14001, ISO45001 compliant. We hold the Greenguard certification to help lower VOC's, reduce air pollution and risk of chemical exposure. We also hold multiple third party certifications including Lloyds, DNVGL and Pacaar to ensure product performance in key applications. We are known worldwide for our quality performance and service including 24 hour technical support.



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MMA Technology

Strong focus to ensure specialised and custom formulations

The Scigrip® MMA structural adhesive range offers a unique combination of chemistries that tackle the main challenges for adhesives:

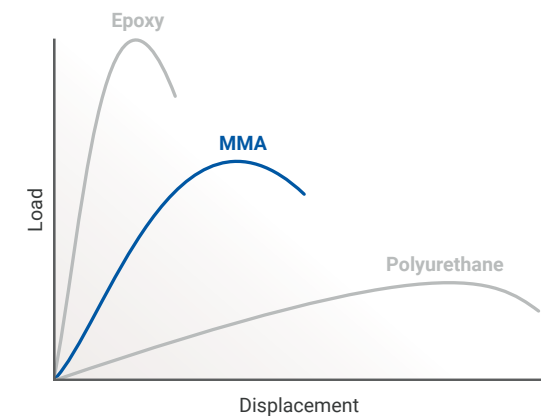
- ✓ **Toughness**
- ✓ **Surface adhesion**
- ✓ **Cure speed control**



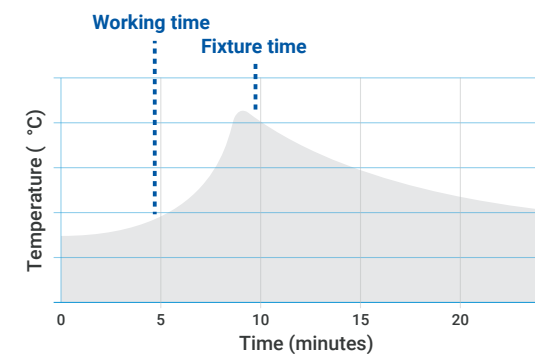
Scigrip offers two MMA formulations – the established 1:1 range and the newer 10:1 range. Both offer different performances. For example, 1:1 would mean 200ml of Part A (adhesive) to 200ml of Part B (activator). The 1:1 adhesives have higher strength than the 10:1 products, but lower elongation.

Scigrip advanced MMA technology bridges the gap between epoxies and polyurethane providing all the benefits of toughness, fatigue resistance and high peel strength while maintaining the highest lap shear performance.

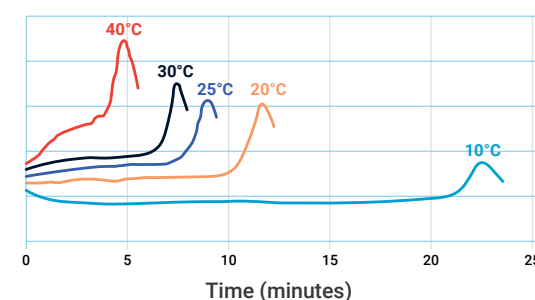
The graph below shows MMA with high strength and good flexibility.



The unique advantage of Scigrip MMA's is their ability to cure and reach their full strength at room temperature, as a result of the exothermic reaction by which they are formed.



Scigrip MMA's offer working times of 2 to 90 minutes and fixture times of between 6 minutes to 4 hours – simply by changing the activator. The application time can then be micro-adjusted by changing the ratio of components to optimise productivity on warm or cool days.

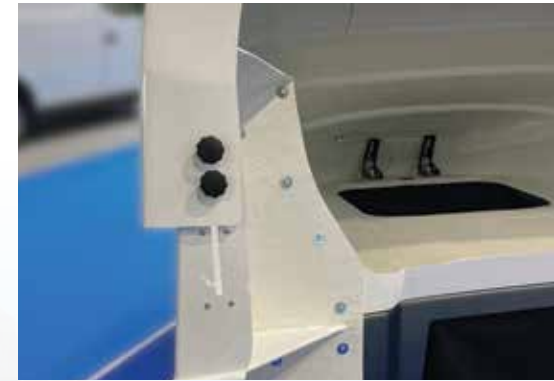


Research and Development - Focused on you our partner

Scigrip's unique patented MMA technology makes new adhesive properties possible that were previously outside the scope of traditional formulations. Scigrip's technical team will work hand in hand with you to solve complex application problems, offer new custom-made solutions and finally test our product with your process. Scigrip has a strong research and development team focused in working in true partnership with our customers. We will address the need for solutions for new application processes, new substrates and assembly performance as well as improving customer productivity.

Key Substrates

Specialised focus



Metals

Scigrip has a range of MMA's that are perfect for bonding metals. Metal jointing by welding or fastening is commonplace throughout a wide range of industries. In many applications these traditional methods can be replaced by using MMA adhesive which will:

- ✓ Increase productivity by reducing manufacturing steps – eliminates drilling and sealing
- ✓ Increase stress distribution by the adhesive benefit of elongation, strength and fatigue resistance
- ✓ Decrease surface marks and leaks by the adhesive benefit of reduced readthrough and enhance design capabilities.

Scigrip range of metal bonding MMA's are formulated so that there is no need for a primer. No priming is perfect for bonding of stiffeners or ribs to a wide range of materials, it enables production to be leaner and quality is also improved by avoiding potential priming errors.



Dissimilar Material Bonding

Scigrip range of MMA's are perfect when joining two different substrates. Traditional jointing is always difficult with different substrates and Scigrip MMA's offer the perfect solution. Using MMA adhesive will:

- ✓ Reduce joint failure rate – traditional fixings can cause leaks and lead to increases in repair time
- ✓ Increase freedom of design and aerodynamics – face fixings are unsightly and hinder correct airflow movement
- ✓ Eliminate surface preparation – adhesives are primerless to most substrates

Scigrip range will bond together a wide variety of metals (aluminium, stainless steel, coated metals etc.), composites (polyester resins, carbon fibre epoxy systems, vinyl ester resins etc.) and plastics (ABS, PVC, Acrylics etc).



Composites

Scigrip range of MMA's are perfect when joining composite materials for example FRP which is widely used in the automotive, building and marine industries. A very important topic at the moment is light weighting, the concept used to create lighter, more corrosion resistant, fuel efficient vehicles. Bonding composites to make strong, complex but lightweight designs and avoid the use of metal reinforcements and fixings is a rapidly growing market. Using MMA on composites will:

- ✓ Bond a wide range of composites with our adhesive complimenting or supporting the composite strength
- ✓ Reduce bond line read through on post finishing requirements
- ✓ Offer excellent fatigue, impact and environmental resistance properties including harsh environments.

Composite components often require thick glue lines to cope with dimensional inaccuracies. Scigrip has unique technology to permit selected MMA products to support up to 39mm bondline thicknesses without boiling.



Plastics

Scigrip range of MMA's include products to join thermoplastics (ABS, Acrylics, PVA/CPVC/Styrenics) and Composites (Polyester, cellulose acetate butyrate, polycarbonate & DCPD modified) for extruded cell cast and continuous cast as well as moulded parts and some cross linked sheet. Using MMA on plastics:

- ✓ Offers good clarity retention which is important for the sign industry and in manufacturing and repair of aquariums, museum quality cases and other plastic fabrication industries
- ✓ Reduce post finishing requirements
- ✓ Excellent fatigue, impact and shock load resistance

Low Surface Energy Substrates

Scigrips new MMA SG400LSE, now bonds polyolefins with no surface preparation required. It bonds polypropylene, polyethylene and will cross bond to metals including aluminium and stainless steel.

- ✓ Offers no surface preparation, saving time and cost during the assembly process
- ✓ Cross bonding polyolefins with metals.

Markets

Strong focus to ensure specialised and custom formulations

Scigrip's MMA technology spans a wide range of markets and applications. In order to ensure we provide the very best solutions while addressing new and rapidly changing advancements in design and technology.

We keep our market focus on Transportation, Rail and Marine and work with partners in these areas.



Automotive & transportation

- ✓ Hybrid and electric vehicles
- ✓ Interior and exterior
- ✓ Components, repair and aftermarket

Train & Tram

- ✓ Interior & exterior
- ✓ Applications for interior panels, composite parts and dashboard assembly
- ✓ Applications for exterior window frame bonding, roof structure and body panels

Marine

- ✓ Applications for hull interior reinforcement, bonding deck to hull, bonding transoms
- ✓ Hardtop bonding and consoles
- ✓ Mounting hardware, catches and composite parts, filling strakes etc.

MMA's

MMA's with a wide variety of working and fixture times to suit your manufacturing requirements

Scigrip Structural Adhesives are two component MMA's with 1:1 and 10:1 Volume ratio's which provide strong, durable bonds

with excellent environmental resistance in a variety of speeds to suit your application.

SG100 series

10:1 mix, designed for exterior applications manufacturing requirements



Reasons to Buy:

- ◆ UV resistant, bright white colour ideal for colour critical applications
- ◆ Non-sag application characteristics
- ◆ Two working speeds: 15 & 40 minutes
- ◆ Minimal surface preparation for bonding FRP, gel coated surfaces and thermoplastics
- ◆ Excellent environmental resistance

Applications:

- ◆ Attaching exterior trim to gel coated surfaces on boat exteriors
- ◆ Non-sag characteristics to apply on non-level surfaces
- ◆ Long lasting UV resistant white colour to blend in with gel coated surfaces

SG230 series

10:1 mix, designed for strength and toughness



Reasons to Buy:

- ◆ Excellent choice for bonding FRP composites with little to no surface prep
- ◆ Unrivalled sag resistance
- ◆ Outstanding fatigue and shock load resistance
- ◆ Excellent environmental and chemical resistance
- ◆ Bonds a broad range of substrates: PMMA, PVC, Thermosets (Vinyl ester, Polyester, Gelcoats, and Epoxies), primed metals
- ◆ Large range of working times: 30, 40, 60, 80,

- ◆ High strength capable of carrying static and dynamic loads
- ◆ Stacking/Non sag characteristics to fill gaps

Applications for assembly:

- ◆ Quicker fixture time allows parts to be bonded and moved earlier
- ◆ Vertical sag resistance to ensure important areas are bonded securely
- ◆ Bond strength maintained after extended exposure to marine environments

Applications for capping and gap filling on boats:

- ◆ Impact resistance
- ◆ Fatigue resistance as vibrating motor is attached on the bonded area

SG300 series 10:1 mix, designed for metal bonding applications



Reasons to Buy:

- ◆ A variety of working times: 5, 15 & 40 minutes.
- ◆ Used to bond metals, composites and plastics. Ideal for bonding dissimilar materials
- ◆ Primerless bonding to metals & requires minimal surface preparation.
- ◆ Excellent fatigue, impact & environmental resistance properties including harsh environments.
- ◆ Non-sag on non-level surfaces.
- ◆ Reduced bond line read through and post finishing requirements.

Applications:

Metal bonding:

- ◆ Metal bonding including but not limited to: Aluminium, mild steel (CRS), stainless steel, coated metals.

surfaces against corrosives.

Composite bonding:

- ◆ Composite bonding including but not limited to: Epoxy, vinyl ester, gelcoats, polyester & DCPD modified.

Plastic bonding:

- ◆ Plastic bonding including but not limited to: ABS, acrylics, PVC/CPVC, styrenics.

SG400LSE



10:1 mix, designed for bonding low surface energy substrates

Reasons to Buy:

- ◆ Bonds polyolefins (low surface energy plastics) in assembly and fabrication applications.
- ◆ Translucent methyl methacrylate for cross bonding polypropylene and polyethylene to metals like aluminium and stainless steel.
- ◆ No surface preparation required, saving time and cost during the assembly process.

- ◆ Product is non sagging, making it an excellent choice for assembly and other fabrication or manufacturing uses.

- ◆ Good flow and ease of dispensing

Applications:

- ◆ Bonding low surface energy plastics like polypropylene and polyethylene to metals, FRP and other plastics.

SG600 series 10:1 mix, designed for composite/plastic bonding



Reasons to Buy:

- ◆ A variety of working times: 5 & 10 minutes.
- ◆ Good Flow and ease of dispensing.
- ◆ Used to bond metals (Primed), composites and plastics. Ideal for bonding dissimilar materials.
- ◆ Bonds a range of substrates: Acrylic, PVC, ABS, Coated Metals, Thermoset Composites (Vinylester, Polyester, Gelcoats, and Epoxy) and other Thermoplastics.

- ◆ Excellent fatigue, impact & environmental resistance properties including harsh environments.
- ◆ Non-sag on non-level surfaces.

Applications:

- ◆ Plastic bonding including but not limited to: ABS, acrylics, PVC/CPVC, styrenics.
- ◆ Example: Agricultural Vehicles
- ◆ Particular benefits: Availability of fast curing times for small components, ease of application, rheology benefits.

SG800 series 10:1 mix, designed for high temperature applications



Reasons to Buy:

- ◆ A variety of working times: 5 & 15 minutes.
- ◆ High temperature resistance up to 150°C.
- ◆ Used to bond metals, composites and plastics.
- ◆ Primerless bonding to metals & requires minimal surface preparation.
- ◆ Good fatigue, impact & environmental properties including harsh environments.
- ◆ Non-sag on non-level surfaces.

Applications:

- ◆ Metal bonding including but not limited to: Aluminium, mild steel (CRS), stainless steel, coated metals.
- ◆ Example: Bonding metal components prior to undergoing a paint bake cycle.
- ◆ Example: Bonding metal and plastic components in the automotive industry for use in the engine bay.
- ◆ Particular benefits: High temperature resistance over prolonged periods, minimal surface preparation prior to application.

SG5000 series 1:1 mix, multipurpose adhesive



Reasons to Buy:

- ◆ Medium/Low viscosity.
- ◆ A variety of working times: 3, 6, 13 & 40 minutes.
- ◆ Used to bond metals, composites and plastics.
- ◆ High tensile and shear strengths.
- ◆ Primerless bonding to most metals & eliminates surface treatment steps.
- ◆ Excellent chemical resistance properties providing permanent bonds in harsh environments.

Applications:

Composite bonding:

- ◆ Composite bonding including but not limited to: Epoxy, vinyl ester, gelcoats, carbon fibre, polyester & DCPD modified.
- ◆ Example: Bonding carbon fibre brackets in motorsports seat.
- ◆ Particular benefits: High strength, excellent adhesion to carbon fibre.

Plastic bonding:

- ◆ Plastic bonding including but not limited to: ABS, acrylics, PVC/CPVC, styrenics.
- ◆ Example: Bonding plastic panels and metal fixtures in vehicles.
- ◆ Particular benefits: Availability of varying curing times for different sized components, ease of application, can bond a wide range of plastics & metals.

Mould repair:

- ◆ Example: Repairing a mould using SG5000-06.
- ◆ When part of the mould is cracked the area is sanded and SG5000 is then spread across the damaged area. Once the adhesive is cured it is sanded to leave a level surface.
- ◆ The area is then quenched with styrene to prevent bond line read through and a gelcoat is applied.

SG42 series

10:1 mix, crystal clear plastic bonder



Reasons to Buy:

- ◆ Scigrip 42 is specially formulated to bond acrylic, including extruded cell cast and continuous cast, as well as, moulded parts and some cross-linked sheet.
- ◆ It will bond acrylic to polyester, cellulose acetate butyrate, and other materials.
- ◆ Excellent choice for bonding of acrylic plastics especially where good clarity retention is required.

- ◆ Two component, clear, medium bodied reactive acrylic adhesive.

Applications:

- ◆ Working time of 15 minutes
- ◆ Applications in the sign industry and in the manufacturing and repair of aquariums, museum quality cases and other plastics fabrication industries

SG46C

10:1 mix, optically clear, high strength structural adhesive



Reasons to Buy:

- ◆ Formulated for assembly and fabrication applications that require clear bond lines with no read through.
- ◆ A clear, thixotropic, reactive acrylic adhesive for bonding primer-less aluminium or other metals and acrylics.
- ◆ No sag application, which means reduced slide or sag even on inverted surfaces.
- ◆ High bond strength which can reach up to 2,200 lbs/in² after 24 hours (aluminium).

Applications:

- ◆ Excellent choice for sign assembly and other fabrication or manufacturing where sagging, short fixture time and good clarity retention are required.
- ◆ SG46C is a strong, clear adhesive which is a game changer when it comes to bonding Acrylic to aluminium or Acrylic to Acrylic and polycarbonate to polycarbonate.
- ◆ It cures optically clear, with no bond lines and it reduces finishing time to ensure a flawless finish.

MP100

Metal Primer



Reasons to Buy:

- ◆ MP100 Metal Primer is a surface treatment designed to clean, chemically convert and prepare stainless steel and aluminium surfaces prior to permanently bonding with methacrylate
- ◆ Simple brush or wipe application
- ◆ Rapid dry
- ◆ Aggressive etching and chemical conversion reduces surface corrosion and chemically links adhesive to metal surface

- ◆ Red colour simplifies application, facilitates visual inspection.

Applications:

- ◆ Use to prepare stainless steel and aluminium surfaces prior to bonding.

Why Scigrip?



Scigrip has been specialising in manufacturing high quality methacrylate adhesives for over 65 years and we have a long history of success in this field. We offer the latest advancements in bonding systems and adhesive chemistries for the most demanding customer applications in Transportation, Rail, Marine and Product Assembly markets.

Scigrip delivers unsurpassed value and unmatched flexibility to ensure you receive the right solution for your project. Our technical support team will truly partner with you to ensure our products are adapted

to fit your needs. Our technical service lab is fully equipped with all the application and product testing requirements.

Our chemistries are highly specialised and serve a multitude of niche applications. They offer ease of use, improved performance and enhanced efficiency and quality.

We are known worldwide for our quality performance, service and technical support.

Product Packaging

Meeting the demands of a Global Market

Scigrip offers a wide range of packaging options to meet the demands of a global market with specific and diverse manufacturing requirements. All our products are filled in our own manufacturing

locations and go through rigorous quality control inspection before supply. All packaging used is made using the latest tried and tested materials to ISO quality standards.

Cartridge Offer



25ml Twin Syringe
1:1



50ml Cartridge
1:1



50ml Cartridge
10:1

Cartridges are supplied in boxes of 12 units with one nozzle per syringe/cartridge. Latest cartridge technology is used allowing resealing of part cartridges without cross-contamination with significant waste reduction.

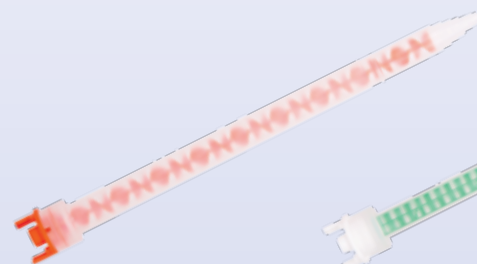


400ml Cartridge
for 1:1

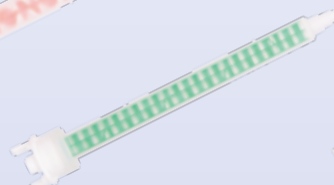


490ml Cartridge
for 10:1

Nozzles



490ml 10:1
CNOZ-F-490



400ml 1:1
CNOZ-F-400



50ml 10:1
COAX-50-10:1



25ml & 50ml 1:1
CNOZ-B-25/50

The nozzle selection is an important part of the products functional success. We have preselected most of the nozzles for the relevant adhesive but it may

be necessary to make changes to suit your specific requirements. Each cartridge is supplied with one nozzle and additional nozzles are available.

Applicator Guns

50ml



1:1 - CM2GUN
10:1 - CM5GUN

400ml



Manual Economy - CM4GUN
Manual Professional - CM6GUN
Pneumatic Professional - CM8GUN

490ml



Manual Professional - CM7GUN
Pneumatic Professional - CM9GUN

Bulk Offer



For full dimensions of pails/drums
please contact our sales office.

19 Litre pails
straight sided plastic pails.

189 Litre drums
straight sided metal drums

Bulk Equipment

Bulk application equipment can be a complicated and expensive process, but the SCIGRIP team have many years experience in this field. We have chosen strategic partners around the globe to assist our customers in the design, supply and servicing or equipment in a professional package. Please contact one of our sales team for further information on how we can support your requirements.

20 Litre Bulk



200 Litre Bulk



Selection Guide

Substrate	Aluminium	Cold Rolled Steel	Stainless Steel	Galvanised Steel	Coated Metal	ABS	PVC	PC	PC/ABS	PMMA	Vinyl Ester FRP	UPR FRP	Epoxy FRP	Carbon Fibre
Aluminium	SG300 SG800 SG5000	SG300 SG800	SG300 SG800	SG800*	SG300 SG600** SG800 SG5000	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000
Cold Rolled Steel	SG300 SG800 SG5000	SG300 SG800 SG5000	SG300 SG800	SG800*	SG300 SG600** SG800 SG5000	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000
Stainless Steel	SG300 SG800	SG300 SG800	SG300 SG800 SG5000	SG800*	SG300 SG600** SG800 SG5000	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000
Galvanised Steel	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*	SG800*
Coated Metal	SG300 SG600** SG800 SG5000	SG300 SG600** SG800 SG5000	SG300 SG600** SG800 SG5000	SG800*	SG300 SG600 SG800 SG5000	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG230 SG300 SG800 SG5000	SG230 SG300 SG800 SG5000	SG230 SG300 SG800 SG5000	SG230 SG300 SG800 SG5000
ABS	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG800*	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600 SG42	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800
PVC	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG800*	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600 SG42	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800
PC	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG800*	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600 SG42	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800
PC/ABS	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG800*	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG600	SG300 SG 600	SG300 SG600 SG42	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800
PMMA	SG300 SG600**	SG300 SG600**	SG300 SG600**	SG800*	SG300 SG600 SG42	SG300 SG600 SG42	SG300 SG600 SG42	SG300 SG600 SG42	SG300 SG600 SG42	SG42	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800
Vinyl Ester FRP	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG800*	SG230 SG300 SG800 SG5000	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG230 SG300	SG230 SG300	SG230 SG300	SG300 SG800 SG5000
UPR FRP	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG800*	SG230 SG300 SG800 SG5000	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG230 SG300	SG230 SG300	SG230 SG300	SG300 SG800 SG5000
Epoxy FRP	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG800*	SG230 SG300 SG800 SG5000	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG230 SG300	SG230 SG300	SG230 SG300	SG300 SG800 SG5000
Carbon Fibre	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG230** SG300 SG800 SG5000	SG800*	SG230 SG300 SG800 SG5000	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG600 SG800	SG300 SG800 SG5000	SG300 SG800 SG5000	SG300 SG800 SG5000	SG300 SG800 SG5000

* Dependant on type. Testing required ** Primer required on metal

Series	Product	Chemistry	Mix Ratio By Volume	Colour	Viscosity cP	Working Time Minutes	Fixture Time Minutes	Shear Strength MPa	Elongation %	Service Temperature °C	Bond Line Gap mm
SG100	SG100-15 SG100-40	Methyl Methacrylate	10:1	White	Adhesive 150,000 - 220,000 Activator 70,000 - 180,000	12 - 18 35 - 45	30 - 45 80 - 100	> 14	> 15	-40 to +82	< 10
SG230HV	SG230-40 SG230-60 SG230-80	Methyl Methacrylate	10:1	Grey	Adhesive 900,000 1,400,000 Activator 120,000 - 180,000	35 - 45 50 - 70 70 - 90	60 - 75 140 - 170 180 - 210	> 15	> 100	-40 to +82	< 39
SG300	SG300-05 SG300-15 SG300-40	Methyl Methacrylate	10:1	Black Off White	Adhesive 175,000 - 275,000 Activator 120,000 - 180,000	4 - 6 13 - 17 35 - 45	15 - 20 30 - 40 80 - 90	> 16	> 40	-40 to +82	< 10
SG600	SG600-05 SG600-10	Methyl Methacrylate	10:1	Black Off White	Adhesive 150,000 - 250,000 Activator 120,000 - 180,000	4 - 6 8 - 12	15 - 18 25 - 30	> 21	> 65	-40 to +82	< 10
SG800	SG800-05	Hybrid	10:1	Black	Adhesive 150,000 - 250,000 Activator 120,000 - 180,000	4 - 6	12 - 15	> 18	> 25	-40 to +150	< 10
SG5000	SG5000-03 SG5000-06 SG5000-13 SG5000-40	Methyl Methacrylate	1:1	Amber	Adhesive 90,000 - 150,000 Activator 150,000 - 250,000	2 - 5 5 - 8 14 - 19 35 - 45	6 - 8 10 - 12 20-25 80 - 90	> 18	> 5	-40 to +100	< 3
SG42	SG42	Methyl Methacrylate	10:1	Crystal Clear	Adhesive 2,800 - 3,800 Activator 1,400 - 1,700	15	120	> 15	> 8	-40 to +82	< 3
SG46C	SG46C	Methyl Methacrylate	10:1	Crystal Clear	Adhesive 75,000 - 125,000 Activator 2,500 - 4,500	6 - 9	15 - 25	> 15	> 3.5	-40 to +50	< 5
SG400	SG400LSE	Methyl Methacrylate	10:1	Off White	Adhesive 50,000 - 100,000 Activator 4,500 - 10,000	1-3	360	~5	-	-	-







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