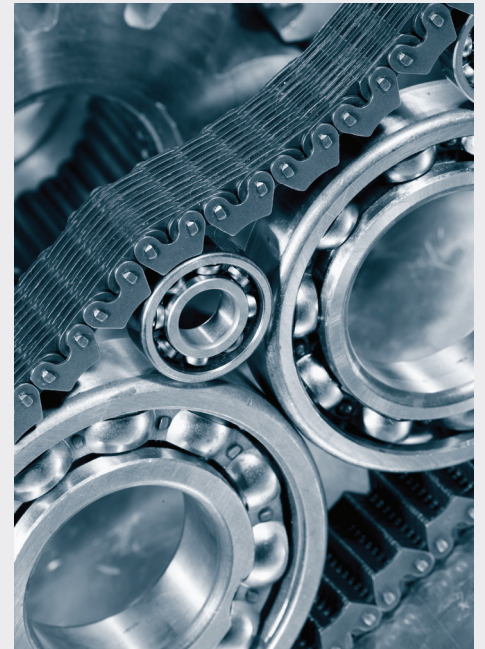
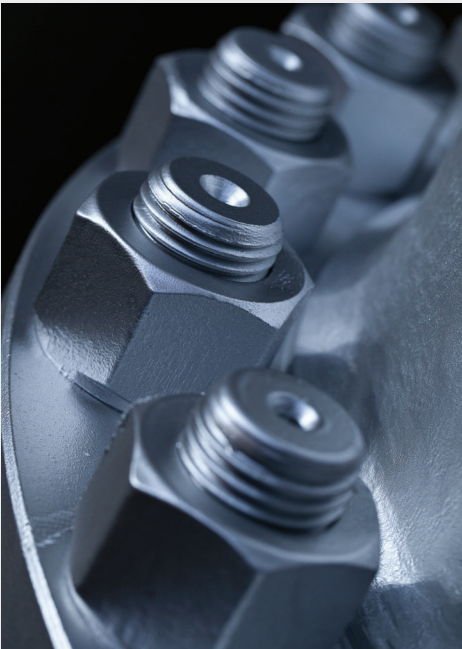


# ENGINEERING ADHESIVES SELECTION GUIDE

Offering a range of conventional technologies alongside the latest advances in engineering adhesives and maintenance products for the OEM and MRO sector.



Science + Innovation  
= **SMARTER ADHESIVE SOLUTIONS**

**IPS**  
CORPORATION





**SCIGRIP Smarter Adhesive Solutions®**, is one of Europe's leading manufacturers and formulators of Engineering and Structural adhesives. Many of our patented formulations are used within the automotive, marine and OEM sectors around the world.

SCIGRIP's well established range of REACH compliant engineering, maintenance adhesive and sealant products have grown and developed with the OEM and MRO industrial sectors over the last two decades. This division is a highly accredited sector of the SCIGRIP European Group. The range includes Anaerobic, Cyanoacrylate, UV-curable, Lubrication and Sealant technologies, incorporating precision chemistry needed for advanced engineering applications.

## CHANGING THE WAY YOU PUT THINGS TOGETHER



[www.scigrup.com](http://www.scigrup.com)

### Thread Sealing

Anaerobic Threadlockers are single component liquids that are used to fill the inner space between threaded components, and through the exclusion of air (oxygen), and in conjunction, with contact with metal, the cure system is activated. The product solidifies to an inert plastic, which resists corrosion, and prevents the parts loosening due to vibration. Threadlockers are available in a range of strengths, depending on the degree of disassembly that is required.

Product	Description	Colour	Temp Range	Viscosity	Size
T943	Threadlocker - Removable Strength • Oil Tolerant • WRAS Approved	Blue	-55°C up to 160°C	1,500 - 2,200cps	50ml, 250ml
T971	Studlocker - Permanent Strength • WRAS Approved	Red	-55°C up to 175°C	1,200-1,500cps	50ml, 250ml
T22	Screwlock - Low Strength • Ideal for small threaded components	Purple	-55°C up to 150°C	1,000 -1,200cps	50ml
T62	Studlocker - High Strength • Lubricated • Suitable for fine & Course threads	Red	-55°C up to 150°C	2,500-7,500cps	50ml
T70	Studlocker - High Strength • Permanent Fit	Green	-55°C up to 150°C	850-1,000cps	50ml

### Retainers

Securing and Retaining compounds are designed to bond cylindrical non threaded parts giving strength to metal assemblies by filling the inner spaces between the mating parts. Once assembled they harden to create a one piece solid unified part. Cylindrical bonded parts are found on many types of high stress engineering applications and tend to be machined to close fit tolerance to accommodate assembly of the parts. Coaxial joints of this nature can be either press fit or slip fit, and are further augmented by the use of our Retaining compounds.

Product	Description	Colour	Temp Range	Viscosity	Size
R903	High Strength Oil Tolerant Retainer	Green	-50°C up to 150°C	110-140cps	50ml, 250ml
R930	High Temperature, Non-Corrosive Retainer, Up To 230°C	Green	-50°C up to 230°C	5,500-7000cps	50ml, 250ml
R938	Dynamic Strength Retainer • Low Corrosivity	Green	-55°C up to 150°C	2100-2800cps	50ml
R940	High Strength Retainer • Fast Cure	Green	-55°C up to 180°C	400-800cps	50ml
R941	Bearing Fit • Medium Strength • Ease of disassembly	Yellow	-55°C up to 150°C	1,400-1,600cps	50ml, 250ml

### Pipe Sealants & Gasket Makers

Pipe Sealants are used on threaded joints containing gas, oil, air and water, forming a tough resilient vibration proof seal, resistant to most workshop and industrial chemicals and fluids. Our Gasketing Grades enable the forming in place of any shape or size gasket, replacing cut gaskets made of felt, cork, paper and also a wide range of other resin based solvented gaskets.

Product	Description	Colour	Temp Range	Viscosity	Size
S72	Slow Curing Pipe Sealant with P.T.F.E. • Instant Low pressure seal	White	-55°C up to 150°C	45,000-58,000cps	50ml, 250ml
S974	Gasket Maker • Thixotropic Gel • WRAS Approved	Orange	-55°C up to 180°C	75,000-90,000cps	50ml, 250ml
S977	Fast Curing Pipe Sealant with P.T.F.E. • WRAS Approved & BSEN 751-1 Gas Approval	Yellow	-55°C up to 150°C	75,000-85,000cps	50ml, 65ml, 250ml
S954	Hydraulic Seal • WRAS Approved • Slightly thixotropic fluid	Brown	-55°C up to 150°C	1,000-1,500cps	50ml, 250ml
S910	High Temperature Gasket Maker • High viscosity parts sealant	Red	-55°C up to 180°C	45,000-65,000cps	50ml, 65ml, 250ml
S918	Gasket Maker • High viscosity flexible parts sealant	Red	-55°C up to 150°C	340,000-360,000cps	250ml
S999	All in One, Gasketing, Sealing and Securing compound	Silver/Grey	-55°C up to 180°C	22,000-30,000cps	65ml

### MS Polymers

Modified silanes are one component adhesives which react and cure under the action of moisture, during its curing process by polycondensation, this type of adhesive emits methanol and once cured acquire elastic properties and typical strength of an elastomeric material.

Product	Description	Colour	Temp Range	Viscosity	Size
MSP2001	Professional Elastomeric Polymer	White/Grey	-40°C up to 90°C	Thixotropic	290ml

## Cyanoacrylates

Also known as "Superglues" or "Instant Adhesives". We offer a wide selection of high performance, application specific, surface insensitive adhesives. Cyanoacrylates are available in a variety of viscosities, cure speeds, gap-filling capabilities and substrate compatibilities.

Product	Description	Colour	Temp Range	Viscosity	Size
CA01	High Viscosity Ethyl Superglue • < 30 sec WT	Clear	-54°C to + 82°C	1,800-2,600cps	20g, 50g, 500g
CA25	Ethyl Superglue (General Purpose) • < 5 sec WT	Clear	-54°C to + 82°C	55-75cps	10g Pen, 20g, 50g, 500g
CA41	Modified Ethyl Superglue • Surface Insensitive • < 5 sec WT	Clear	-54°C to + 82°C	110-130cps	20g, 50g, 500g
CA44	Gel Ethyl Superglue • Surface Insensitive • <60 sec WT	Clear	-54°C to + 82°C	100,000cps	20g
CA60	Ethyl Superglue • Surface Insensitive • < 5 sec WT	Clear	-54°C to + 82°C	5-20cps	20g, 500g
CA4061	Premium grade for difficult to bond parts, for use with A701 Primer	Clear	-55°C to + 95°C	10-15cps	20g, 500g
CA4061 Kit	Kit combining Adhesive CA4061 Adhesive & Primer A701 in a 50ml Pump Spray	Clear	-55°C to + 95°C	10-15cps	20g/50ml kit

## RTV Silicones

Offer innovative and precise Sealing and Gasketing abilities. RTV Silicones can be applied from a standard caulking cartridge or the innovative "Powercan" dispenser to "Form-in-Place" Gaskets.

Product	Description	Colour	Temp Range	Viscosity	Size
RTV851	Fast Curing, Low Volatile RTV Sealant/Gasket • Modified Cure • Acetoxy Cure	Black	-40°C up to 260°C	Thixotropic	200ml Powercan
RTV853	RTV Sealant / Gasketing Silicone • Acetoxy Cure	Red	-40°C up to 300°C	Thixotropic	200ml Powercan
RTV854	RTV Sealant / Gasketing Silicone • Oxime Neutral Cure	Grey	-55°C up to 180°C	Thixotropic	200ml Powercan
RTV855	(Endurasil) Premium General Purpose RTV Silicone Sealant • Acetoxy Cure	Black, White	-50°C up to 180°C	Thixotropic	310ml Cartridge

## Epoxies

Epoxy adhesives are diverse and can join a array of different materials, providing a high strength, water resistant bond. Once cured, this toughened adhesive can be machined, sanded and even painted. Non-solvent based, yet still provides accelerated cure system, allowing this grade to be the first choice for manufacture and repair applications alike.

Product	Description	Colour	Temp Range	Viscosity	Size
6005	Clear, Non yellowing Fast Curing Epoxy Adhesive	Clear	-40°C to + 80°C	15000-60000cps	50ml

## Epoxy Sticks

A range of hand kneadable Epoxy putty sticks that mix in 1 minute, to enable permanent repairs to wood, steel and aluminium substrates with the Aqua stick providing the ability to be applied underwater, or in damp and wet conditions.

Product	Description	Colour	Temp Range	Weight	Size
EPS841	Aqua Epoxy Stick	Green	121°C continuous	114gm	178mm Stick
EPS842	Aluminium Epoxy Stick	Silver	121°C continuous	114gm	178mm Stick
EPS846	Steel Epoxy Stick	Grey	121°C continuous	114gm	178mm Stick
EPS847	Wood Epoxy Stick	Beige	121°C continuous	56.2gm	178mm Stick

## UV Adhesives

Ultraviolet (UV) and visible light curing adhesives offer a full range of bonding solutions for the assembly of glass, metals and plastics and provide an optically clear bond. Available in various viscosities, to suit specific application requirements.

Product	Description	Colour	Temp Range	Viscosity	Size
UV 106	UV & Visible Light Cure Adhesive	Clear	up to 135°C	4,500-6,000cps	50ml, 250ml
UV 110	UV Adhesive • Exceptional Strength Glass to Glass / Metal Bonder	Clear	No data	260-350cps	50ml, 250ml
UV 150	Glass Bevel Bonder • Semi Flexible	Clear	-50°C +125°C	2,000-3,000cps	50ml, 250ml
UV 188	UV Adhesive • Exceptional Strength Glass to Glass / Metal Bonder	Clear	No data	4,800-5,500cps	50ml, 250ml

## Activators & Primers

A range of products to ensure maximum performance of adhesives and sealants. Primers are used to assist cure on inactive surfaces, and Activators are used to increase the cure speed and gap filling capabilities of Cyanoacrylates.

Product	Description	Colour	Temp Range	Viscosity	Size
A061	Cleaner & Degreaser	Clear	n/a	n/a	200ml
A113	Low Bloom Cyanoacrylate Activator • High Speed • Non Yellowing	Clear	n/a	n/a	200ml, 1 Ltr
A649	Structural Activator for Anaerobics - Mil spec Act N	Turquoise Tint	n/a	n/a	1 Ltr
A701	Primer for Polyolefins / Plastics	Clear	n/a	n/a	50ml, 1 Ltr

Bulk packaging is available upon request.

All products on this list are available; however some may only be produced to order subject to a minimum order quantity.

If you cannot see a product specific to your requirements, please contact a member of our sales team who will be happy to assist you with identifying a suitable product for your application.

# FURTHER SMARTER ADHESIVE SOLUTIONS AVAILABLE FROM SCIGRIP:



## STRUCTURAL ADHESIVES

SCIGRIP® offers cutting edge formulations of Methacrylate adhesives that are unrivalled for their combination of strength, toughness and ease of use.

This highly accredited range of products successfully services the Marine, Transportation, Building & Construction, Renewable Energy and Recreational Vehicle sectors.

### THE RANGE COVERS;

- VARIED OPEN TIMES
- 0.5MM - 39MM GAP FILL
- PRIMERLESS METAL BONDING
- CLEAR MMA
- PE AND PP BONDING
- HIGH PEEL AND HIGH FATIGUE RESISTANCE
- HIGH TOUGHNESS AND ELONGATION
- MARINE AND RAIL APPROVALS



## POWERCAN DISPENSING SYSTEM

The SCIGRIP® POWERCAN is the most advanced and patented system for the dispensing of thick, sticky and difficult to handle materials without waste or mess. The SCIGRIP® POWERCAN will handle a wide range of high viscosity materials such as sealants, adhesives, fillers and lubricants.

### THE RANGE INCLUDES;

- SILICONES
- MS POLYMERS
- ANTI SEIZE
- EXHAUST PAS

Your distributor:



Traunuferstraße 110a  
4052 Ansfelden  
Tel.: +43 (0)7229 / 51 334  
Fax: +43 0(7229 / 51 334 - 11

info@astorplast.at

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**IPS**  
CORPORATION

### SCIGRIP Europe

Unit 22, Bentall Business Park, Glover Road,  
Washington, Tyne and Wear, NE37 3JD. United Kingdom  
Tel: +44 (0) 191 419 6444  
Fax: +44 (0) 191 419 6445  
Email: [info@scigrip-europe.com](mailto:info@scigrip-europe.com)

