STRUCTURAL ADHESIVES
METALS
COMPOSITES
PLASTICS

Offering the latest advancements in bonding systems and adhesive chemistries for the most demanding customer applications in the Marine, Transportation, Building Construction and Product Assembly markets.

Science + Innovation = SMARTER ADHESIVE SOLUTIONS

IPS CORPORATION
SCIGRIP has a strong research and development team focused on addressing customers’ demands for new application processes, new substrates and assembly performance as well as improving customer productivity.

SCIGRIP’s unique patented MMA technology makes new adhesive properties possible that were previously outside the scope of traditional formulators. SCIGRIP believes in a technical team working hand in hand with customers to test our product with your process.

SCIGRIP is committed to manufacturing quality products and maintains ISO 9001 certification for all of its manufacturing facilities. SCIGRIP has also achieved multiple third party product certifications including Lloyds, RINA, and BRE that ensure product performance in key applications.

SCIGRIP MMA’s cure at room temperature. Offering working times of 2 to 130 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. Compared to many chemistries, the fast green strength gain for a given application time is considered one of the most valuable advantages by many customers.

MMA TECHNOLOGY
The ultimate structural adhesive

This brochure focuses on our MMA Structural Adhesives range which offers a unique combination of chemistries that tackle the main challenges for adhesives:

• Toughness
• Surface adhesion
• Cure speed control

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

Better than other chemistries MMA’s are well known for excellent surface wetting and adhesion to a wide range of substrates avoiding the risk of potentially erroneous surface preparation or priming operations.

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METALS
Selected products in the SCIGRIP range are excellent for bonding metals without the need for a primer. Cutting out this step makes production leaner and improves quality by avoiding potential priming errors.

COMPOSITES
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
The SCIGRIP range has products to meet increasing challenges from low surface energy plastics such as PP & PE to the need for high strength, fast cure and crystal clear bond lines.

APPLICATION
Key substrates

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MARKETS
Adapt our technology with success

MARINE
Working times to suit all boat builders

TRANSPORTATION
Fatigue resistant composite to metal bonding

BUILDING AND CONSTRUCTION
Peel resistant PVC bonding with snap cure

RENEWABLE ENERGY
Large open time and large gap fill without overheating

RECREATIONAL VEHICLES
High strength and toughness in bulk and cartridges

AGRICULTURAL VEHICLES
Heavy duty metal to plastics bonding with minimal surface preparation

PACKAGING
Meeting the demands of the global market

SCIGRIP Smarter Adhesive Solutions offer a wide range of packing options to meet the demands of the global market and the specific and diverse manufacturing requirements. All of 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 standards.

CARTRIDGE OFFER

<table>
<thead>
<tr>
<th>Cartridge Type</th>
<th>Syringe / Cartridge</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>25ml twin syringe</td>
<td>1:1</td>
<td></td>
</tr>
<tr>
<td>50ml Cartridge</td>
<td>1:1</td>
<td></td>
</tr>
<tr>
<td>400ml cartridge</td>
<td>for 1:1</td>
<td></td>
</tr>
<tr>
<td>490ml cartridge</td>
<td>for 10:1</td>
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CARTRIDGE OFFER

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 wastage reduction.

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

NOZZLES

490ml 10:1 - CNO2-F-490
400ml 1:1 - CNO2-F-400
50ml 10:1 - COAX-50-10:1
25ml & 50ml 1:1 - CNO2-B-25/50

APPLICATOR GUNS

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<tbody>
<tr>
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<tr>
<td>Manual Professional</td>
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</tr>
<tr>
<td>Pneumatic Professional</td>
<td>CM8GUN</td>
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BULK OFFER

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

BULK EQUIPMENT

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

This equipment can be used for a variety of applications.

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<td>Adhesive Reference</td>
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</tr>
<tr>
<td>Bright White and UV resistant ideal Marine adhesive</td>
<td>SG100-15</td>
</tr>
<tr>
<td>Composite and Plastic Bonded High Elongation</td>
<td>SG200-10</td>
</tr>
<tr>
<td>High Gap Fill &amp; Non Sag For Marine &amp; Large Structures</td>
<td>SG230-30'</td>
</tr>
<tr>
<td>Primerless Metal Bonder High Fatigue High Shear Strength</td>
<td>SG300-05</td>
</tr>
<tr>
<td>All purpose Composite &amp; Plastic Bonded, High Toughness Excellent flow &amp; wet out</td>
<td>SG600-05</td>
</tr>
<tr>
<td>Primerless Metal Bonding High Shear Strength High Toughness</td>
<td>SG1500-05</td>
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<td>General Purpose Maximum Shear Strength</td>
<td>SG5000-03</td>
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<tr>
<td>Ultimate Plastic Bonded for Low Energy Surface PE &amp; PP Plastics</td>
<td>PXP5</td>
</tr>
<tr>
<td>Clear, low exotherm Plastic bonder</td>
<td>SG3004-03</td>
</tr>
<tr>
<td>High strength Low viscosity</td>
<td>SG3295-03</td>
</tr>
<tr>
<td>Crystal clear, Mil Spec Plastic Bonded</td>
<td>#42</td>
</tr>
<tr>
<td>Multi use High strength</td>
<td>#45</td>
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**NOTES:**
1. Working time / fixture time are minimum recommended time in fixture. 2. All tensile properties are based on post cure cycle, 1 hour @ 82°C (180°F). 3. Test method used ASTM D1002-65T (improved) test method. 4. High strength template is based on shear strength of FRP to FRP bond, 5. Test method Brookfield cone and plate @ 24°C. 6. Test method Brookfield cone and plate @ 24°C. 7. Measured on Brookfield hapeloth. 8. Due to many potential variations in substrate and surface chemistries, SCIGRIP Adhesives and its distributor recommends that all substrates be tested under the intended applications to determine suitability.
FURTHER SMARTER ADHESIVE SOLUTIONS AVAILABLE FROM SCIGRIP:

HOLDTITE ENGINEERING

SCIGRIP’s well established range of REACH compliant engineering, maintenance, adhesives and sealants has grown and developed with the OEM and MRO industrial sectors over the past 3 decades. This division is a highly accredited sector of the SCIGRIP European Group, with WRAS, AGA, ASTM, NSF, DVGW, MIL specifications available for many of the products.

THE RANGE INCLUDES:

- ANAEROBICS
  - THREADLOCKERS
  - RETAINERS
  - SEALANTS & GASKET MAKERS
- CYANOACRYLATE (CA) - INSTANT ADHESIVES
- RTV SILICONES - POWERCAN PACKAGING
- EPOXY STICKS AND REPAIR COMPOUND
- UV ADHESIVES
- ACTIVATORS AND PRIMERS

SIGN AND DISPLAY

This range of SCIGRIP adhesives covers a wide scope of technologies all designed to incorporate the specific needs of the Sign and Display, shopfitting and plastic assembly market.

THE RANGE INCLUDES:

- SOLVENT BASED CEMENTS
- CYANOACRYLATE (CA) - INSTANT ADHESIVES
- UV ADHESIVES
- CLEAR MMA
- CLEAR 2 PART PU
- CLEAR EPOXY
- MS POLYMERS
- TOUGHENED ACRYLICS

Bonding a variety of diverse substrates from ABS, GRP, Metal, Glass, Polycarbonate, Wood, Polyester, PVC & Styrene.

The information contained herein is produced in good faith, and is believed to be reliable but is for guidance only. SCIGRIP and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. All advice is given subject to terms & conditions of sale, which are available on request from SCIGRIP. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore it is the user’s responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products. SCIGRIP reserves the right to change specifications & prices without notice and customers should satisfy themselves that information relied on by the customer is that which is currently published by the company on its website.

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