



SUBSTRATE RECOMMENDATIONS

A wide variety of plastics and non-plastics to themselves and to each other; such as flexible and rigid vinyls, acrylics, urethane foam and others to wood, metal, glass, masonry, canvas, rubber and other non-plastics.

BONDING RECOMMENDATIONS

SCIGRIP® 1829 is a medium bodied, water-resistant, modified elastomer and light tan in color. It is a part solvent cement which cures with the dissipation of solvent to a very tough flexible film. It forms strong joints with rigid materials, but affords high impact resistance because of its flexibility. It is highly resistant to water, oil and gasoline. A thin film exposed to air will dry in 3 to 7 minutes.

USES

SCIGRIP 1829 is being used in marine applications for bonding plasticized vinyls to masonry and metal and patching vinyl sheets. It is also used in upholstering vinyl seats, bonding vinyl to urethane foam, canvas, as well as other materials and attaching plastic letters to many substrates.

OTHER USES: Bonding aluminum or vinyl extrusions to concrete, repair of sporting equipment, leather goods, shoes, saddles, belts and handbags.

ADHESIVE PROPERTIES AND CHARACTERISTICS @ 73°F (23°C)

COLOR:	Tan	FIXTURE TIME:	2 – 4 Hours		
VISCOSITY:	1750 ± 250 cps	TIME TO REACH 80% OF ULTIMATE BOND STRENGTH:	16 – 24 Hours		
SPECIFIC GRAVITY:	0.862 ± 0.01	COVERAGE:	10 mil:	26 sq ft/pint	210 sq ft/gallon
WORKING TIME:	2 – 5 Minutes	20 mil:	13 sq ft/pint	105 sq ft/gallon	

DIRECTIONS FOR USE

Clean surfaces to be joined.

Coat each mating surface (2 coats if porous). Allow about 2 to 5 minutes for each to dry before assembly. Film should be slightly tacky but not enough to transfer to the fingers using a light touch. Heavy coating may require slightly longer to dry.

Press parts firmly together. Use clamps or weights until cement has set sufficiently for handling strength. If parts are strained, do not remove clamps for at least a few hours, depending on materials and room temperature.

Initial bond is suitable for handling. For good strength, allow 16 to 24 hours and bond strength will continue to increase for a number of weeks.

When applying cement to one piece, bring other piece in contact immediately and maintain contact for a few hours before removing clamps or weights.

AVAILABILITY

This product is available in gallon (3.785 liters) and 1/4 pint (118 ml) metal cans. For detailed information on containers and applicators, refer to the current Assembly Adhesive Selection Guide and Price List.

SHELF LIFE

Two years expectancy in tightly sealed containers. Stability of the product is limited by the permanence of the container and the evaporation of the solvent when the container is open. Evaporation of solvent will cause the cement to thicken and reduce the effectiveness of the cement.

QUALITY ASSURANCE

SCIGRIP 1829 is carefully evaluated to assure that consistent high quality is maintained. Fourier transform infrared spectroscopy, gas chromatography, and additional in depth testing ensures each batch is manufactured to exacting standards. A batch identification code is stamped on each can and assures traceability of all materials and processes encountered in manufacturing this plastic cement for its intended specific application.

SHIPPING

Shipping Information for Gallon and Above: DOT Shipping Name: Adhesive. DOT Hazard Class: 3. ID #: UN1133. Packaging Group: II. Label: Flammable Liquid. **For Less than One Gallon:** DOT Shipping Name: Consumer Commodity. DOT Shipping Class: ORM-D.

Shipping Information for Individual Container Larger than One Liter: DOT Shipping Name: Adhesive. DOT Hazard Class: 3. ID #: UN1133. Packaging Group: II. Label: Flammable Liquid. **For Less than One Liter:** DOT Shipping Name: Consumer Commodity. DOT Shipping Class: ORM-D.

SAFETY AND ENVIRONMENTAL PRECAUTIONS

This product is a flammable, fast evaporating solvent cement. It is considered a hazardous material. In conformance with the Federal Hazardous Substance Labeling Act, the following hazards and precautions are given. Purchasers who may re-package this product must also conform to all local, state, and federal labeling, safety and other regulations.

**WARNING! FLAMMABLE. VAPOR HARMFUL.
MAY BE HARMFUL IF SWALLOWED. MAY IRRITATE SKIN OR EYES.**

Keep out of reach of children. Do not take internally. Keep away from heat, spark, open flame and other sources of ignition. Keep container closed when not in use. Store away from direct sunlight between 40° – 110°F (5° – 43°C). Use only with adequate ventilation. Avoid breathing of vapors. Atmospheric levels should be maintained below established exposure limit values contained in Section II and VIII of the Material Safety Data Sheet. If airborne concentrations exceed those limits, use of a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air-purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short-term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus. Do not smoke, eat or drink while working with this product. Avoid contact with skin, eyes and clothing. May cause eye injury. Protective equipment such as gloves, safety goggles and impervious apron should be used. Carefully read Material Safety Data Sheet and follow all precautions.

Contains Methyl Ethyl Ketone (78-93-3). Do not use this product for other than intended use.

“Title III Section 313 Supplier Notification”: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

FIRST AID

Inhalation: If overcome with vapors, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician.

Eye Contact: Flush with plenty of water for 15 minutes and call a physician.

Skin Contact: Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops, get medical attention.

Ingestion: If swallowed, give 1 or 2 glasses of water or milk. Do not induce vomiting. Contact physician or poison control center immediately.

IMPORTANT NOTE

This product is intended for use by skilled individuals at their own risk. These suggestions and data are based on information we believe to be reliable. Users should verify by test that this product, as well as these methods, is suited to their application.

WARRANTY

IPS Corporation (IPS Corp.) warrants that all new IPS Corp. products shall be of good quality and free from defects in material and workmanship for the shelf life as indicated on the product. If any IPS Corp. product becomes defective, or fails to conform to our written limited warranty under normal use and storage conditions, then IPS Corp. will, without charge, replace the nonconforming product. However, this limited warranty shall not extend to, nor shall IPS Corp. be responsible for, damages or loss resulting from accident, misuse, negligent use, improper application, or incorporation of IPS Corp. products into other products. In addition, any repackaging of IPS Corp. products also shall void the limited warranty. IPS Corp. shall not be responsible for, nor does this limited warranty extend to, consequential damage, or incidental damage or expense, including without limitation, injury to persons or property or loss of use. Please refer to our standard IPS Corp. Limited Warranty for additional provisions.

