



WELD-ON

WELD-ON 1001

VINYL TO DISSIMILAR MATERIALS

SUBSTRATE RECOMMENDATIONS

WELD-ON 1001 is formulated for bonding a wide variety of plastics such as vinyl, rigid and flexible, foamed PVC, ABS and acrylic and non-plastics to themselves and each other. Does not bond styrene, butyrate, polyolefins, and Teflon. WELD-ON 1001 is especially useful in bonding rigid or semi-rigid vinyl to aluminum, glass, wood and other rigid materials.

BONDING RECOMMENDATIONS

WELD-ON 1001 is recommended in building and industrial applications involving rigid or semi-rigid materials, such as vinyl extrusions used with glass or metal. (For similar applications employing plasticized flexible vinyl, ask about WELD-ON 1829.)

GENERAL DESCRIPTION

WELD-ON 1001 is a clear solvent cement of thin syrupy consistency. It cures with the dissipation of solvent at room temperature, forming strong, water resistant joints. Time of cure will vary with materials and techniques. Bond strength develops slowly. This is particularly true with non-porous materials.

ADHESIVE PROPERTIES AND CHARACTERISTICS

COLOR:	Clear
VISCOSITY:	400 cps
WORKING TIME:	15 – 20 minutes
FIXTURE TIME:	30 minutes
80% STRENGTH:	72 hours
SPECIFIC GRAVITY:	.94 ± .040
COVERAGE:	10mil: 42 sq. ft/Pint 340 sq. ft/Gallon
	20mil: 21 sq. ft/Pint 170 sq. ft/Gallon

DIRECTION FOR USE

- Clean surfaces to be joined.
- Coat each mating surface. Allow about 5 to 10 seconds before assembly of porous material and 10 to 20 seconds when one surface is non-porous, such as glass or metal.
- 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.
- NOTE: Solvent must be allowed to escape through at least one of the substrates. For this reason, two non-porous surfaces, such as glass or metal, should not be joined together while the adhesive is still wet. Both surfaces should be coated and allowed to dry. The adhesive can then be reactivated at approximately 195°F or higher. Join parts by using pressure and heat.

SHELF LIFE

Three 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.

SHIPPING

Shipping Information for Individual Containers Larger than One Liter: DOT Shipping Name: Adhesive. DOT Hazard Class: 3. ID #: UN1133. Packaging Group: II. Label: Flammable Liquid

Shipping Information for Less than One Liter: DOT Shipping Name: Consumer Commodity. DOT Shipping Class: ORM-D.

SAFETY AND ENVIRONMENTAL PRECAUTIONS

Weld-On 1001 is a flammable, fast evaporating, solvent cement. It is considered a hazardous material. In conformance with the Federal Hazardous Substances 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.

**DANGER! – FLAMMABLE – VAPOR HARMFUL – HARMFUL OR FATAL IF SWALLOWED –
IF SWALLOWED DO NOT INDUCE VOMITING, CALL PHYSICIAN IMMEDIATELY
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 in the shade between 40°F and 80°F. 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 Sheets and follow all precautions. Contains Methyl Ethyl Ketone (78-93-3) and Toluene (108-88-3). Do not use this product for other than intended use.

"Proposition 65 Notice": This product contains chemicals known to the state of California to cause reproductive toxicity.

"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 MSDS's that are copied and distributed for this material.

FIRST AID

Inhalation: If ill effects from inhalation, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician.

Eye or Skin Contact: Flush with plenty of water for 15 minutes. If irritation persists, get medical attention.

Ingestion: If swallowed, do not induce vomiting. Contact physician immediately.

QUALITY ASSURANCE

Every batch of this cement is checked to assure that consistent quality is maintained. An infrared absorption curve is recorded for each batch to ensure that this cement is properly formulated. Samples are taken from all batches and kept for a period of at least one year. A batch identification code is stamped on each can.

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, are suited to their application. Since specific use, materials and handling are not controlled by IPS, our warranty is limited to the replacement of defective IPS products.