



PRODUCT BULLETIN - SPECIFICATIONS

WELD-ON 790

GENERAL DESCRIPTION:

Weld-On 790 is a clear, medium bodied, fast set, high strength solvent cement. It is a multi-purpose cement formulated for joining dissimilar materials in Schedule 80 PVC through 4" and all other schedules and classes through 6" interference fits. Although the cement appears to have a slight amber tint when viewed in the can, the usual thin layer on the pipe or fitting appears clear when dried.

APPLICATION:

Weld-On 790 can be used on all types of PVC and CPVC, as well as on ABS and Styrene non-pressure systems. It is used for sprinkler, plumbing, conduit, etc. For pressure systems, it is always best to use a cement specifically formulated for the type of plastic pipe used.

Detailed directions on making solvent cemented joints are printed on the container label. An installation video covering solvent cementing of PVC is available. It not only describes the basic principles of solvent cementing, but covers the handling, storage and use of our products. It is also highly recommended that the installer review the instructions supplied by the pipe and fitting manufacturer. NOTE: Do not use primer of any kind on the ABS side of the transition joint.

AVAILABILITY:

Weld-On 790 is available in 1/4 pint, 1/2 pint, 1 pint, and 1 quart metal cans. For detailed information on containers and applicators, see our current Price List.

SPECIFICATIONS:

Weld-On 790 conforms to these requirements:

COLOR:	Clear
SPECIFIC GRAVITY:	0.940 ± 0.040
BROOKFIELD VISCOSITY:	500-600 CPS (Centipoises at 73±2°F)

SHELF LIFE:

3 years expectancy in tightly-sealed containers. The date of manufacture is stamped on the bottom of the container. Stability of the product is limited by the permanence of the container and the evaporation of the solvent when container is open. Evaporation of solvent will cause the cement to thicken and reduce its effectiveness. Adding of thinners to change viscosity is not recommended.

SHIPPING:

Shipping Information for Gallon and Above: DOT Hazard Class: 3. DOT Shipping Name: Adhesive. Identification Number: UN 1133. Packaging Group: II. Label Required: Flammable.

Shipping Information for Less than One Gallon:

DOT Shipping Name: Consumer Commodity. DOT Hazard Class: ORM-D.

SAFETY PRECAUTIONS:

This product is flammable and considered a hazardous material. In conformance with the Federal Hazardous Substances Labeling Act, the following hazards and precautions are given. Purchasers who may repackage this product must also conform to all local, state and federal labeling, safety and other regulations.

DANGER - EXTREMELY 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. Vapors may ignite explosively. Keep container closed when not in use. Store in the shade below 110°F. Avoid breathing of vapors. Use only in well ventilated area. If confined or partially enclosed, use forced ventilation. Atmospheric levels must be maintained below established exposure limits contained in Section II 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, goggles and impervious apron should be used. Carefully read Material Safety Data Sheet and follow all precautions. Contains Tetrahydrofuran (109-99-9), Methyl Ethyl Ketone (78-93-3), Cyclohexanone (108-94-1) and PVC Resin (9002-86-2). Do not use this product for other than intended use.

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 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 to 2 glasses of water or milk. Do not induce vomiting. Contact physician immediately.

"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 MSDSs that are copied and distributed for this material.

SPECIAL PRECAUTION:

Do not use a dry granular calcium hypochlorite as a disinfecting material for water purification in potable water piping systems. The introduction of granules or pellets of calcium hypochlorite with PVC and CPVC solvent cements and primers (including their vapors) may result in a violent chemical reaction if a water solution is not used. It is advisable to purify lines by pumping chlorinated water into the piping system - this solution will be non-volatile. Furthermore, dry granular calcium hypochlorite should not be stored or used near solvent cements and primers.

QUALITY ASSURANCE:

Every batch of this product is checked to assure that consistent quality is maintained. An infrared absorption curve is recorded for each batch to ensure that this product was 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. Installers should verify for themselves that they can make satisfactory joints under varying conditions. Toward this end, it is highly desirable that they receive personal instruction from trained instructors or competent, experienced installers. Contact us or your supplier for additional information or instruction.

C-790-0896A

**IPS CORPORATION • 455 W. VICTORIA ST. • COMPTON, CA 90220 USA • (310) 898-3300 • FAX (310) 898-3392 • WEBSITE: www.ipscorp.com
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