



## PRODUCT BULLETIN – SPECIFICATIONS

# WELD-ON 704

### GENERAL DESCRIPTION:

Weld-On 704 is a clear or gray, medium bodied, fast set, very high strength PVC solvent cement for all classes and schedules of pipe and fittings through 6" diameter interference fit, Sch. 80 through 4" diameter.

### APPLICATION:

Weld-On 704 is for use on all types of PVC plastic pipe applications, Type I and Type II. It is approved for use with potable water pressure systems, irrigation, gas, conduit, industrial pipe applications, sewer, drain, waste and vent systems. 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 also 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: IPS Weld-On solvent cements must never be used in a system using or being tested by compressed air or gases.

### AVAILABILITY:

Weld-On 704 is available in 1/4 pint, 1/2 pint, 1 pint, 1 quart and 1 gallon metal cans. For detailed information on containers and applicators, see our current Price List.

### STANDARDS AND APPROVALS:

Weld-On 704 meets ASTM D-2564 and is listed by NSF International for use on potable water, sewer, drain, waste and vent systems. It is listed by (IAPMO), the International Association of Plumbing & Mechanical Officials and carries the Uniform Plumbing Code (UPC) seal. Weld-On 704 (gray only) is listed by the Canadian Standards Association (CSA) for pressure and non-pressure applications. This cement is suitable for use with PVC piping systems approved by (SBCC3) Southern Building Code Congress and (BOCA) Building Officials Congress of America.

### SPECIFICATIONS:

VOC:	(As manufactured) 795 G/L
MAX VOC EMISSIONS:	530 G/L
COLOR:	Clear and Gray
RESIN:	Must be virgin PVC
SPECIFIC GRAVITY:	0.916 ± 0.040
BROOKFIELD VISCOSITY:	500-800 CPS @ 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 Liter and Above: DOT Hazard Class: 3. DOT Shipping Name: Adhesive.

Identification Number: UN 1133. Packaging Group: II. Label Required: Flammable Liquid.

Shipping Information for Less than One Liter:

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), Acetone (67-64-1) 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.

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