

**GENERAL DESCRIPTION:**

Weld-On® 790™ is a clear, low VOC emission, medium bodied, fast setting, high strength multi-purpose solvent cement for PVC and CPVC plastic pipe, all classes and schedules with interference fit through 6 inch (160 mm) diameter, Schedule 80 through 4 inch (110 mm) diameter. Although the cement appears to have a slight amber tint when viewed in the can, the thin layer application on the pipe or fitting will appear clear when dried.

APPLICATION:

Weld-On 790 can be used on all types of PVC and CPVC piping systems and in applications such as irrigation sprinklers, plumbing and conduit. It is not for use as a transition cement between dissimilar materials (e.g. not for PVC to CPVC transition or ABS to PVC transition). Weld-On 790 is also not suitable for applications requiring potable water, DWV or sewer waste listed products per the plumbing and building codes. Refer to the pipe and fittings manufacturer's instruction and the local plumbing and building codes for appropriate cement use.

AVAILABILITY:

This product is available in ¼ pint (118 ml), ½ pint (237 ml), pint (473 ml), quart (946 ml) and gallon (3.785 l) metal cans. For detailed information on containers and applicators, see our current Price List.

STANDARDS:

- Meets the performance requirements of ASTM F-493.
- Meets SCAQMD Rule 1168/316A.
- Compliant with LEED® (Leadership in Energy and Environmental Design). When using this Weld-On low VOC product, credit can be claimed for LEED Green Building Rating System - Indoor Environmental Quality.

SPECIFICATIONS:

COLOR:	Clear to Light Amber
RESIN:	CPVC
SPECIFIC GRAVITY:	0.925 ± 0.01
BROOKFIELD VISCOSITY:	Minimum 500 cP @ 73° ± 2°F (23° ± 1°C)

SHELF LIFE:

2 years in tightly sealed containers. The date code of manufacture is stamped on the bottom of the container. Stability of the product is limited by the evaporation of the solvent when the container is opened. Evaporation of solvent will cause the cement to thicken and reduce its effectiveness. Adding of thinners to change viscosity is not recommended and may significantly change the properties of the cement. Do not mix new solvent cement with partially used or expired solvent cement.

QUALITY ASSURANCE:

Weld-On 790 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 used in manufacturing this solvent cement.

SPECIAL PRECAUTION:

Weld-On solvent cements must never be used in PVC piping system using or being tested by compressed air or gases; including air-over-water booster. Do not use in conjunction with flue gas ventilation systems.

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 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 nonvolatile. Furthermore, dry granular calcium hypochlorite should not be stored or used near solvent cements and primers.

This product is intended for use by skilled individuals at their own risk. Installers should verify for themselves that they can make satisfactory joints under varying conditions. Detailed directions on making solvent cemented joints are printed on the container label. It is highly recommended that the installer review the instructions supplied by the pipe and fitting manufacturer.

Refer to the current Weld-On 790™ Safety Data Sheet for additional safety precautions, first-aid, storage, handling, transportation and disposal information.



PRODUCT DATA SHEET

790™

LOW VOC MULTI-PURPOSE SOLVENT CEMENT

WARRANTY:

Weld-On warrants that all new Weld-On 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 Weld-On product becomes defective, or fails to conform to our written limited warranty under normal use and storage conditions, then Weld-On will, without charge, replace the nonconforming product. However, this limited warranty shall not extend to, nor shall Weld-On be responsible for, damages or loss resulting from accident, misuse, negligent use, improper application, or incorporation of Weld-On products into other products. In addition, any repackaging of Weld-On products also shall void the limited warranty. Weld-On 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 Weld-On Limited Warranty for additional provisions.