



GENERAL DESCRIPTION: STRONG WELD 311 is an industrial grade, gray, low VOC emission, heavy bodied, medium setting, high strength PVC solvent cement for all classes and schedules of pipe and fittings with interference fit through 12 inch (315 mm) diameter, including Schedule 80. It has good gap filling properties and its medium set allows more working time in warm weather.

APPLICATION: STRONG WELD 311 is for use on all types of PVC plastic pipe applications, Type I and Type II. It is suitable for use with potable water pressure systems, irrigation, turf, conduit, sewer, drain, waste and vent systems. Ideal for use on industrial piping systems. Detailed directions on making solvent cemented joints are printed on the container label. An installation DVD/CD covering solvent cementing 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 highly recommended that the installer review the instructions supplied by the pipe and fitting manufacturer.

NOTE: STRONG WELD solvent cements must never be used in a PVC system using or being tested by compressed air or gases; including air-over-water booster.

AVAILABILITY: This product is available in 50ml and 100ml Aluminium Metal Tube, 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 AND CERTIFICATION LISTINGS:

- Meets ASTM D 2564 Standard.
- Meets SCAQMD Rule 1168/316A.
- Compliant with LEED® (Leadership in Energy and Environmental Design). When using this STRONG WELD Low VOC product, credit can be claimed for LEED Green Building Rating System - Indoor Environmental Quality.
- Listed by NSF International for compliance with ASTM D 2564, NSF/ANSI Standard 14 and NSF/ANSI Standard 61 for use in potable water, drain, waste, vent and sewer applications.
- Meets CSA standards B137.3 and B181.2 for use in pressure and non-pressure potable water, drain, waste, and vent applications.
- Listed by IAPMO for compliance with ASTM D 2564 and applicable sections of the latest edition of the Uniform Plumbing Code®.

SPECIFICATIONS:

COLOR:	Gray
RESIN:	PVC
SPECIFIC GRAVITY:	0.966 ± 0.040
BROOKFIELD VISCOSITY:	Minimum 1600 cP @ 73° ± 2°F (23° ± 1°C)

SHELF LIFE:

3 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.

QUALITY ASSURANCE:

STRONG WELD 311 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:

STRONG WELD solvent cements must never be used in PVC or CPVC 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 or 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 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 STRONG WELD 311 Safety Data Sheet for additional safety precautions, first-aid, storage, handling, transportation and disposal information

WARRANTY:

HP ADHESIVES LIMITED (“HPA”), warrants to all original purchasers of HPA products that all new HPA products shall be of good quality and free from defects in material and workmanship for the product’s shelf life. If any HPA product becomes defective, or fails to conform to this written limited warranty under normal use and storage conditions, and if the original purchaser complies with the terms of this limited warranty, then HPA will, without charge, replace the nonconforming product.

This limited warranty shall extend to all products manufactured and sold by HPA. However, this limited warranty shall not extend to, nor shall HPA be responsible for, damages or loss resulting from accident, misuse, negligent use, improper application, or incorporation of HPA products into other products. In addition, any repackaging of HPA products also shall void the limited warranty provided herein.

Any defective HPA products shall be replaced pursuant to the terms of this limited warranty by returning the defective product, with transportation charges prepaid, to HPA at the following address:

HP ADHESIVES LIMITED
11 Unique House, Chakala Road,
Andheri (East), Mumbai
400099 INDIA

Any implied warranty in connection with any HPA product hereby is limited in duration to the period of this limited warranty. HPA 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. This limited warranty is in lieu of all other express warranties of HPA, and HPA does not assume, nor does it authorize any person to assume on its behalf, any other obligation or liability.

