

# Type P PVC Pipe Cement Clear

## Specially formulated resin-based adhesive

### Product Description

Plumbtec Type P PVC Pipe Cement Clear is a specially formulated resin-based adhesive for bonding PVC-U pipe & fittings. Plumbtec Type P PVC Pipe Cement is slower setting than Plumbtec Type N PVC Pipe Cement, and is suitable for pressure applications and generally recommended for PVC-U Pipes with a diameter of 150mm or less. Some fittings 150mm and above may require a Gap Filling Solvent Cement. Bonds are waterproof if the jointing instructions in AS/NZS 2032 are followed.

### Areas of Application

Suitable for Pressure applications in residential commercial, agricultural and industrial work such as:

- Irrigation
- Reticulation
- Swimming Pools & Spas
- Pressurised Fluid Lines.

### Features & Benefits

- Manufactured to the highest Australian Standards and Quality Assurance so the Plumbtec Type P PVC Pipe Cements come with a 10 year manufacturer's warranty.
- Conforms to the stringent performance requirements of AS/NZS 3879 so you can have confidence it will do the job.
- AS/NZS 4020 approved, which means it is suitable for use in contact with drinking water.

### Features & Benefits cont.

- Watermark and ISO 9001:2008 accredited so quality assurance is assured.
- All Packaging is Dangerous Goods approved so it can be stored and transported with confidence.
- Tightly engineered cap to minimise the risk of leaks.
- Range of sizes to suit any job.
- All containers are supplied with a bristle brush applicator cap to ensure easy application.
- Proven product performance over several decades in millions of applications around Australia and overseas.

### PRODUCT DATA

Appearance	Clear Viscous Liquid
Specific Gravity @ 20°C	0.94 – 0.96
Viscosity @ 20 C, cPs	1,000 – 1,300
Contents	Contains more than 700g/L Hydrocarbon Liquids

### DRYING TIME

### JOINT STRENGTH TO EXCEED

20 Minutes	0.4 MPa	400 kPa or 58 psi
1 Day	3 MPa	3,000 kPa or 435 psi
60 Days	8 MPa	8,000 kPa or 1,160 psi

## VOC Levels

The Clear Building Council of Australia has advised that "Pipe cements are not relevant to the VOC credit as they have little influence on indoor air quality. Plumbing pipes are usually installed some time prior to building occupation and any residual of solvent will be negligible by the time the building is sealed and occupied. In addition plumbing pipes are not a major component of an individual fit-out or building, plumbing cements are minor in quantity in the indoor fit-out when compared to adhesives used in countless other indoor applications." (GBCA Technical Clarification Statement PVC Pipe Cements IEQ-13, Clarification No. 43, October 2009). Refer to the GBCA website for more information [www.gbca.org.au](http://www.gbca.org.au)

## Application

PVC Pipe Cement Jointing is a trade skill and should only be executed by appropriately qualified trades' people. Refer to AS/NZS 2032 for complete PVC Pipe Cement jointing instructions.

## Preparing the Joint

1. Ensure pipe is cut square and remove burrs.
2. To ensure correct assembly of joint, mark pipe at a distance equal to full socket depth.
3. Test joint for dry fit.
4. Clean pipe and inside of socket using a clean cloth freshly moistened with Plumbtec Pro Priming Fluid. This is essential to ensure a satisfactory bond.

## Making the Joint

1. Shake or stir thoroughly before using.
2. Apply Plumbtec Pro Solvent Cement in full even coats to both surfaces firstly to the inside of socket, then to external surface of pipe end.

## Making the Joint cont.

3. Immediately assemble, pushing the pipe home to the full depth of the socket.
4. Hold bonded joint in position for at least 30 seconds.
5. Do not disturb for 5 minutes.
6. Allow 24 hours curing before testing.

The open time of Plumbtec Pro Solvent Cement, which is the time from the beginning of adhesive application until the joining of the parts, is dependent on the temperature and on the thickness of the adhesive layer. With an adhesive layer of 1 mm and at the temperature given below, the parts should be joined within the following times:

20 °C	4 min
25 °C	3 min
30 °C	2 min
40 °C	1 min
> 40 °C	< 1 min

For the first 5 minutes after cementing, avoid moving the pipes. At temperatures of less than 10°C, this should be extended to 15 minutes. If in the ground, cemented jointed pipes may be covered after approximately 10-12 hours. Before using the pipes in normal operation, thoroughly flush them through with water to remove any solvent vapour.

Where pipes are not required for immediate service, it is advisable to flush through thoroughly and possibly allow to stand filled with water.

## Packaging & Shelf Life

Shelf Life is 2 years if unopened and stored in a cool, dry, well ventilated place out of direct sunlight.

## Handy Tips

- Keep the lid tightly on Plumbtec Pro Priming Fluid and Plumbtec Pro Solvent Cement when not in use. Evaporation of the solvents will affect the quality and performance of the Plumbtec Pro Solvent Cement.
- Plumbtec Pro Solvent Cement should have a "syrup-like" consistency. Do not use it if it is lumpy or "jelly-like" consistency.
- No additive of any kind (including Priming Fluid) should be mixed with Plumbtec Pro Solvent Cement.
- PVC Pipe Cements take no longer to set in colder temperatures. Do not try to artificially speed up the drying process of Plumbtec Pro Solvent Cement by using hair-dryers or the like. This could affect the integrity of the joint.
- Avoid spilling the Plumbtec Pro Priming Fluid and Plumbtec Pro Solvent Cement Clear. In the event of spillage, soak up as quickly as possible with a clean dry cloth.

## Limitations

- Plumbtec Pro Type P Cement is to be used for Pressure Applications only.

## Limitations cont.

- Temperatures above 30°C and/or windy conditions can result in premature drying of Plumbtec Pro Solvent Cements and prevent a satisfactory bond. In such circumstances apply a second coat.
- For PVC pipes with a diameter exceeding 150mm we recommend using a Slow Setting Pipe Cement or Large Diameter Pipe Cement.
  - Not suitable for bonding polyethylene or plasticised PVC articles.

## Safety Directions

Irritant. Avoid breathing vapour. Avoid contact with skin and eyes. Highly Flammable and Keep away from Flames.

NOT TO BE TAKEN. REFER TO MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

If poisoning occurs contact a doctor or Poisons Information Centre. Phone: Australia 131 126 NZ: 0800 764 766 or a doctor immediately. If swallowed do not induce vomiting. Give a glass of water.

**Disclaimer**

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