

# BLUE GLUE TYPE 'N' SOLVENT CEMENT

## TECHNICAL DATA SHEET

### DESCRIPTION & APPLICATION

Atomik Blue Glue Type N is a specially formulated resin based adhesive for bonding PVC-U pipe, fittings and sheet. It is fast setting and generally recommended for PVC-U Pipes with a diameter of 150mm or less. Some fittings 225mm and above may require a Gap Filling Solvent Cement. Atomik Blue Glue Type N is suitable for Non-Pressure applications in residential, commercial and industrial work such as Sewerage, Drainage, Storm Water, and Electrical 6 Cable Conduit. Bonds are waterproof if the jointing instructions in AS/NZS 2032 are followed.

### FEATURES & BENEFITS

- Manufactured to the highest Australian Standards and Quality Assurance so the Atomik Blue Glue Type N comes 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.
- 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 up to and including 1L 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. AS/NZS 3879 SHEAR STRESS TEST REQUIREMENTS FOR TYPE N

### PHYSICAL PROPERTIES

Appearance	Blue Viscous Liquid
Specific Gravity @ 20°C	0.88-0.90
Viscosity @ 20° cPs	500-700
Contents:	Contains more than 700g/L Hydrocarbon Liquids
Shelf Life:	2 years if unopened and stored in a cool, dry, well ventilated place out of direct sunlight.

### DRYING TIME JOINT STRENGTH TO EXCEED

20 minutes	0.1 MPa	100 kPa or 14.5 psi
1 Day	1 MPa	1000 kPa or 145 psi
60 Days	4 MPa	4000 kPa or 580 psi

### VOC LEVELS (Volatile Organic Compound)

The Green 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)

### DIRECTIONS FOR USE

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 Atomik **Red Primer**.  
This is essential to ensure a satisfactory bond.

### MAKING THE JOINT

1. Shake or stir thoroughly Atomik Blue Glue Type N before using.
2. Apply Atomik Blue Glue Type N in full even coats to both surfaces firstly to the inside of socket, then to external surface of pipe end.
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.

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### DIRECTIONS FOR USE (Continued)

The open time of Atomik Blue Glue Type N, 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	4min.
25°C	3min.
30°C	2min.
40°C	1min.
>40°C	<1min.

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

### CAUTIONS

1. Keep the lid tightly on Atomik Red Priming Fluid and Atomik Blue Glue Type N when not in use. Evaporation of the solvents will affect the quality and performance of the Atomik Blue Glue Type N
2. Atomik Blue Glue Type N should have a "syrup-like" consistency. Do not use it if it is lumpy or "jelly-like" consistency.
3. No additive of any kind (including Priming Fluid) should be mixed with Atomik Blue Glue Type N.
4. PVC Pipe Cements take longer to set in colder temperature. Do not try to artificially speed up the drying process of Atomik Blue Glue Type N by using hair-dryers or the like. This could affect the integrity of the joint.
5. Avoid spilling the Atomik Red Priming Fluid and Atomik Blue Glue Type N as the dyes leave a permanent stain. In the event of spillage, soak up as quickly as possible with a clean dry cloth.

### LIMITATIONS

- Atomik Blue Glue Type N is to be used for Non-Pressure Applications only. For Pressure Applications use Atomik Green Glue.
- Temperatures above 30°C and/or windy conditions can result in premature drying of Atomik PVC Pipe Cement and prevent a satisfactory bond. In such circumstances either apply a second coat or use a Slow Setting Pipe Cement.
- For PVC pipes with a diameter exceeding 150mm we recommend the use of a Slow Setting Pipe Cement or Large Diameter Pipe Cement. Not suitable for bonding polyethylene or plasticised PVC articles.

### SAFETY DIRECTIONS

Irritant. Avoid breathing vapor. 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.

### FIRST AID

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.

### STORAGE

Store in a cool, dry, well ventilated place and out of direct sunlight. Shelf life is 2 years from the date of manufacture if stored in accordance with the manufacturer's recommendations.