

POWA Group

PVC Cement Green Glue Pipe Joining 4L

*Resin Based Adhesive for Bonding PVC-U
Pipe & Fittings*



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PRODUCT DESCRIPTION

Specially formulated resin based adhesive for bonding PVC-U pipe & fittings. This Green Glue is slower setting than Blue Glue, and is suitable for Pressure applications in residential, commercial, agricultural and industrial work such as Irrigation, Reticulation, Swimming Pools & Spas and Pressurised Fluid Lines. Bonds are waterproof when applied as per jointing instructions outlined in AS/NZS 2032.



FEATURES & BENEFITS

- Manufactured to highest quality standards and Quality assurance
- Comes with a 10 Year manufacturers warranty Conforms to AS/NZS 3879 – Solvent cements and priming fluids
- AS/NZS 4020 approved for potable water storage
- Watermark and ISO 9001 accredited
- All packaging is dangerous goods approved for safe transportation and storage
- Tightly engineered caps to minimize risk of leaks Available in a range of sizes
- All containers are supplied with a natural bristle brush applicator cap to ensure easy application.
- Proven product performance over several decades and millions of applications around Australia and overseas

JOINTING

- The open time of the Green Glue, 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.
- Based on an adhesive layer of 1mm, the parts should be joined within the following times at the temperature given
- 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

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Temperature	Open Time
20°C	4 min.
25°C	3 min.
30°C	2 min.
40°C	1 min.
>40°C	<1 min

PREPARING THE CUT

1. Ensure pipe is cut square and remove burrs
2. To ensure correct assembly of joint, mark pipe at 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 Red or Clear Prime Priming Fluid. Note: This step is essential to ensure a satisfactory bond.

MAKING THE JOINT

- Shake or thoroughly stir Green Glue before using
- Apply Green Glue in full even coats to both surfaces, first to the inside of the socket, followed by the external surface of pipe end.
- Immediately assemble, pushing pipe home to the full depth of the socket
- Hold bonded joint in position for at least 30 seconds
- Do not disturb for 5 minutes
- Allow 24 hours curing before testing

VOC LEVELS

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 types are usually installed some time prior to building occupation and any residual 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 use of other adhesives used in countless other indoor applications" (GBCA Technical Clarification Statement PVC Pipe Cements IEQ13, Clarification No. 43 October 2009) Refer to GBCA website for more information. 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 jointing instructions

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LIMITATIONS

- The Green Glue is to be used for Pressure applications only.
- For PVC pipes with a diameter exceeding 100mm apply a second coat if not assembled immediately, or use Large Diameter Solvent Cement
- Not suitable for bonding polyethylene or plasticised PVC articles

HEALTH & SAFETY

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

PRODUCT INFORMATION:

Form	Viscous liquid
Colour	Green
Specific Gravity @ 20°C	0.94 – 0.96
Viscosity @ 20°C, cPs	1000 - 1300
Contents	Contains >700g/L Hydrocarbon liquid

PERFORMANCE:

AS/NZS 3879 Shear stress test requirements

DRYING TIME	JOINT STRENGTH TO EXCEED	
20 minutes	0.5 MPa	500 kPa or 58 psi
1 day	3 MPa	3000 kPa or 435 psi
60 days	8 MPa	8000 kPa or 1160 psi

STORAGE/SHELF LIFE

- Store in a cool, dry well ventilated place out of direct sunlight
- Shelf life is 2 years from date of manufacture when stored in accordance with manufacturers recommendations

PRECAUTIONS

- Keep the lid tightly on the bottle when not in use. Evaporation of the solvents will affect the quality and performance of the product.
- The Green Glue should have a “syrup like” consistency. DO NOT USE if product is lumpy or resembles a “jelly like” consistency
- No additive of any kind (including Red/Clear Priming Fluid) is to be mixed with Green Glue
- Do not attempt to artificially speed up drying process of Glue Cements by using air dryers/heat guns or similar as this could affect the integrity of the joint
- Avoid spilling Red Prime Priming Fluid or Green Glue as dyes will permanently stain