

## Type N Solvent Cement

### PRODUCT DATASHEET



#### DESCRIPTION:

**PLUMMA'S BLUE GLUE TYPE N** is a specially formulated resin based adhesive for bonding PVC-U pipe, fittings and sheet. It is fast setting and suited for PVC-U Pipes with a diameter of 100mm or less. PLUMMA'S BLUE GLUE Type N is suitable for Non-Pressure applications in residential, commercial and industrial work such as Sewerage, Drainage, Storm Water, and Electrical & Cable Conduit. 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

#### 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 IEQ-13, Clarification No. 43 October 2009) Refer to GBCA website for more information. [www.gbc.org.au](http://www.gbc.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

#### 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 Plumma's Red or Clear Prime Priming Fluid. **Note this step is essential to ensure a satisfactory bond**

#### MAKING THE JOINT

- Shake or thoroughly stir Plumma's Blue Glue Type N before using
- Apply Plumma's Blue Glue Type N 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

#### JOINTING

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

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

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#### JOINTING continued

- 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 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

#### 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.
- Plumma's Blue Glue Type N 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 Plumma's Blue Glue Type N
- Do not attempt to artificially speed up drying process of Plumma's Glue Cements by using air dryers/heat guns or similar as this could affect the integrity of the joint
- Avoid spilling Plumma's Red Prime Priming Fluid as dyes will permanently stain.

#### LIMITATIONS

- Plumma's Blue Glue Type N is to be used for **Non Pressure** applications only. For Pressure Applications use Plumma's Green or Clear Type P solvent cements
- Temperatures above 30°C and/or windy conditions can result in premature drying of Plumma's Blue Glue Type N 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

#### PACKAGING

Available in the following sizes and codes

- A5581 PLUMMA'S BLUE GLUE TYPE N 125ML
- A5583 PLUMMA'S BLUE GLUE TYPE N 250ML
- A5585 PLUMMA'S BLUE GLUE TYPE N 500ML
- A5587 PLUMMA'S BLUE GLUE TYPE N 1LT
- A5589 PLUMMA'S BLUE GLUE TYPE N 4LT
- A5591 PLUMMA'S BLUE GLUE TYPE N 20LT

#### 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

#### 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:**

<b>Form</b>	Viscous liquid
<b>Colour</b>	Blue
<b>Specific Gravity @ 20°C</b>	0.88 – 0.90
<b>Viscosity @ 20°C, cPs</b>	500 - 700
<b>Contents</b>	Contains >700g/L Hydrocarbon liquid

#### **PERFORMANCE:**

AS/NZS 3879 Shear stress test requirements for Type N

<b>DRYING TIME</b>	<b>JOINT STRENGTH TO EXCEED</b>	
20 minutes	0.1MPa	100 kPa or 14.5 psi
1 day	1 MPa	1000 kPa or 145 psi
60 days	4 MPa	4000 kPa or 580 psi

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#### **WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

#### **AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

#### **DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.