

A-PU600

Water Based Polyurethane | Waterproofing Membrane

1. IDENTIFICATION OF THE CHEMICAL AND SUPPLIER

- **Product Name:** A-PU600 Water-Based Polyurethane Waterproof Coating
- **Recommended Use:** Waterproofing coating for building applications
- **Supplier:** Armourseal Pty Ltd
- **Address:** Unit 36, #36 Turner Road, Smeaton Grange NSW 2567
- **Phone:** 0418 261 479
- **Emergency Contact (24 hrs):** 02 9037 2994
- **Date of Issue:** November, 2025

2. COMPOSITION / INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NO.	CONTENT (%)
1	Pure acrylic emulsion	25085-34-1	45
2	Polyurethane emulsion	26680-22-8	20
3	Talcum powder	14807-96-6	25
4	Light stabilizer	30947-30-9	10

3. HAZARD IDENTIFICATION

- **Classification:** General chemical coating
- **Eye contact:** Prolonged exposure may irritate and damage eye tissue.
- **Skin contact:** Frequent or prolonged exposure may irritate skin and cause dermatitis.
- **Inhalation:** Overexposure may irritate respiratory passages; inhalation during vomiting or ingestion may aggravate symptoms.
- **Ingestion:** May cause discomfort.

4. FIRST AID MEASURES

- **Skin contact:** Rinse with running water for 10 minutes.
- **Eye contact:** Open eyelids and rinse with running water for at least 10 minutes. Seek medical attention.
- **Inhalation:** Move patient to fresh air. Rinse mouth with water. Do not induce vomiting. Drink ~250 ml water.
- **Ingestion:** Seek medical attention immediately.

5. FIREFIGHTING MEASURES

- **Suitable extinguishing media:** Water spray, dry powder extinguisher, carbon dioxide, foam, halogen extinguisher, sand.
- **Special hazards:** Combustible at high temperature.
- **Protective equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- Contain spill and absorb with sand or soil.
- Dispose by incineration in approved solvent incinerator or deep burial in designated location.
- Prevent discharge into sewers, soil, or waterways.

7. HANDLING AND STORAGE

- **Handling:** Keep away from heat and fire. Wear protective clothing, respirator, and goggles. Avoid skin/eye contact.
- **Storage:** Keep containers tightly closed. Store in cool, ventilated warehouse away from heat, sparks, and flames.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Occupational exposure limit:** 300 mg/m³
- **Engineering controls:** Closed systems, good ventilation, no ignition sources.
- **Respiratory protection:** Wear a respirator if ventilation is insufficient.
- **Skin protection:** Protective work clothing and rubber gloves.
- **Eye/face protection:** Safety glasses or face shield.
- **Other protection:** No open flame in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Blue viscous liquid
- **Odour:** Low tar smell
- **Density:** 1.24 kg/L
- **Viscosity:** 2500–5000 cps
- **Flash point:** 116 °C
- **Ignition temperature:** 465 °C

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Conditions to avoid:** Heat, flames, high temperatures.
- **Materials to avoid:** Strong oxidizers, chemicals reactive with isocyanates.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** No acute toxicity observed, but long exposure may cause discomfort.
- **Skin sensitization:** Prolonged direct contact may cause allergy or itching.
- **Eye contact:** May cause pain or irritation.

12. ECOLOGICAL INFORMATION

- **VOC content:** 96 g/L
- **Free TDI:** <0.1 g/kg
- **Environmental effects:** Toxic to aquatic and terrestrial organisms if released.

13. DISPOSAL CONSIDERATIONS

- Collect for recycling where possible.
- Dispose by controlled incineration in approved facilities or by deep burial at designated sites.

14. TRANSPORT INFORMATION

- **Packaging:** Supplied in sealed buckets.
- **Storage temperature:** 0–30 °C
- **Shelf life:** 18 months
- **Precautions:** Avoid direct sunlight and open flames during transport.

15. REGULATORY INFORMATION

This product is subject to regulations including:

- Safe Management Regulations for Chemicals
- Implementation Rules for Dangerous Chemicals Safety Management
- Rules for the Safe Use of Chemicals in the Workplace and other relevant Chinese chemical safety standards.

16. OTHER INFORMATION

The information provided is believed to be accurate and is offered for reference purposes only.

CONTACT

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