

**Guardian Seal Pro**  
**Technical Data Sheet**  
**Version 1.0**

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## 1. Product Description

Guardian Seal Pro is a **liquid-applied waterproofing membrane** designed to provide a durable and flexible **water-resistant barrier on prepared roof substrates**. The formulation is based on an **acrylic polymer dispersion** and is intended for use as part of roof coating and restoration systems.

Once applied and cured, the coating forms a **continuous protective membrane** that helps prevent water ingress while improving the durability and longevity of the roof surface.

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## 2. Recommended Use

- Concrete and masonry roof substrates
  - Roof restoration and waterproofing systems
  - Prepared roof surfaces requiring a durable waterproof membrane
  - Protective coating layer for exterior roofing applications
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## 3. Key Features and Benefits

- Liquid-applied waterproofing membrane
  - Forms a seamless protective barrier
  - Water-based acrylic formulation
  - Excellent adhesion to prepared roof surfaces
  - Flexible coating that accommodates minor substrate movement
  - Suitable for roof restoration and protection systems
  - Low VOC formulation
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## 4. Safety and Handling

Read all container labels before use and follow **standard safety procedures**.

Refer to the **Safety Data Sheet (SDS)** for detailed information on:

- Personal protective equipment
- Ventilation requirements
- Spill response procedures
- Safe handling and disposal

Avoid contact with **eyes and skin** and prevent release into **drains or waterways**.

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## 5. Product Information

**Resin Type:** Acrylic polymer dispersion  
**Solvent:** Water  
**Appearance:** Coloured acrylic dispersion  
**Odor:** Mild acrylic / polymer odor  
**pH:** 6 – 10  
**Relative Density:** 1.30 – 1.50  
**Viscosity:** 1500 – 2000 cSt  
**Flash Point:** >100 °C (water based)  
**Boiling Point:** ~100 °C  
**Solubility:** Miscible when wet, insoluble when dry  
**VOC Content:** <60 g/L

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## 6. Surface Preparation

All surfaces must be **clean, dry, and structurally sound** before application.

Recommended preparation includes:

- Remove **loose coatings, dirt, and debris**
- Remove **oil, grease, and other contaminants**
- Pressure wash roof surfaces where appropriate
- Allow surfaces to **dry thoroughly before coating**
- Repair damaged areas before application

Proper surface preparation is essential to achieve **optimal adhesion and performance**.

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## 7. Application Details

Guardian Seal Pro may be applied by:

- **Airless spray**
- **Brush**
- **Roller**

Apply evenly to achieve a **continuous waterproof membrane**. Multiple coats may be applied depending on the required film thickness and system specification.

Avoid **over-application, ponding, or uneven film build**.

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## 8. Application Conditions

- Apply only to **clean, dry surfaces**
  - Do not apply to **frozen or excessively hot substrates**
  - Avoid application when **rain is expected** during curing
  - Protect surrounding areas from **overspray**
  - Ensure **adequate ventilation during application**
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## 9. Drying and Curing

Drying time will vary depending on **temperature, humidity, and film thickness**.

Typical drying behaviour:

**Touch Dry:** Approximately **1–2 hours at 20 °C**

**Recoating:** After sufficient drying of the previous coat

Full curing time may vary depending on **environmental conditions and coating thickness**.

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## 10. Performance Summary

### Advantages

- **Creates a seamless waterproof membrane**
- **Flexible coating suitable for roof movement**
- **Excellent adhesion to prepared roof surfaces**
- **Durable protective barrier against moisture**

### Limitations

- **For exterior use only**
  - Do not apply to **contaminated or unstable substrates**
  - Do not apply during **standing water or freezing conditions**
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## 11. Storage and Shelf Life

Store in the **original sealed container** in a **cool, dry, well-ventilated area**.

### Storage conditions

- **Temperature range:** 5 °C – 35 °C
- **Protect from freezing**
- Keep containers **tightly closed when not in use**

**Shelf life:** 24 months when stored correctly

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## 12. Environmental Information

- **Very toxic to aquatic life with long lasting effects**
  - Prevent release into **waterways or drains**
  - Dispose of product and containers in accordance with **local regulations**
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## 13. Disclaimer

The information provided in this **Technical Data Sheet** is based on current technical knowledge and experience. It is offered as guidance only and does not constitute a guarantee of product performance in all situations. Users must determine the suitability of the product for their **specific application conditions**.