

## | Introduction

Alka 311 is a high performance, hand-applied, >99% VOC-free, quick curing two-pack elastomeric polyurethane waterproofing membrane. Alka 311 is suitable for foot traffic.

## | Usages.

It is designed for waterproofing diverse parts of a building including balconies, terraces, podium decks, wet areas, roofs, etc.

## | Benefits

- Monolithic membrane – no lap, weld or seams
- >99% VOC-free, complies with Green Star requirements
- UV resistant but not light stable
- Quick curing time
- High resistance to puncture
- High resistance to stagnant water
- High elongation
- No reinforcement required
- Excellent crack bridging capability
- Elastomeric behaviour: remains flexible at low temperatures
- Available in grey colour

## | Grades

### **Self-levelling grade:**

High flow and low thixotropy. Ideal for horizontal surfaces when a nice finish is required. Easy application by brush, roller or notched trowel.

### **Green Roofs grade:**

Root penetration resistant membrane, perfect for green roofs issues. Root penetration testing has to be carried out.

## | How to Apply

Alka 311 is supplied in pre-dosed kits.

### **Preparation:**

Surface must be clean, sound, smooth and dust-free as well as oil-free.

A compatible primer, such as Alka 305 should be applied to ensure the adhesion of the membrane to the substrate as well as preventing outgassing from the concrete.

In the case of high porosity, wet concrete (humidity >5%) or in any doubt, it is recommended to use a hydro-epoxy primer. Compatibility of the primer with the membrane must be checked prior to application.

### **Application:**

Alka 311 Part B must be mixed thoroughly for at least 2-3 minutes using a paint mixer at 300-400RPM. Once mixed pour part B into part A and mix both components for a further 3 minutes at 300-400 rpm. An excess of mixing will generate aeration within the membrane.

Alka 311 can be applied with a brush or a roller or a notched trowel to the desired thickness. A spike roller can be used to eliminate air bubbles if required.

Alka 311 can be applied between 0.5 and 3 mm thick.

Alka 311 can be subject to light traffic after 24 hours.

Vehicle traffic is not permitted on Alka 311 without the application of a top coat.

Alka 311 can be recoated with a top coat. Check with your ERA Representative the compatibility before application.

### **Recoating instructions:**

In normal conditions, Alka 311 can be recoated with another layer of Alka 311 after 5 hours and within 24 hours. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding. Contact your Alka representative for any question.

### **Coverage**

1 coat of 1000 g/m<sup>2</sup> is required to achieve a 1 mm dry film thickness

### **Clean-up**

Reusable tools should be cleaned carefully with Xylene or MEK before curing.

### **Shelf life**

Shelf life of sealed Alka 311 in its original container is 12 months. Always store closed containers in cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 10°C or above 35°C.

### **Safety**

Please refer to the Material Safety Data Sheet (MSDS) for personal protection, proper handling and storage.

## | Important Notes

- Do not add any water.
- Do not use any alcohol, such as methylated spirit, as dilutant.
- Do not apply Alka 310 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 310 in a confined space.
- Freshly applied Alka 310 should be protected from damp, condensation and water for at least 24 hours.
- If in doubt about the use or application of this product, or further information please contact our Alka Technical Department.
- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- Avoid contact with foodstuffs and utensils.

## | Notice to Reader

Alka Coating make no representation as to the completeness and accuracy of the information contained on this Technical Data Sheet. It is the user's obligation to evaluate and use this data, and to comply with all relevant Commonwealth, State and Local Government laws and regulations.

Alka Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

# Alka 311

two-component waterproofing membrane system



A full Material Safety Data Sheet is available from Alka on request.

		Alka 311
Composition		Two-Pack >99% VOC-free Polyurethane
Mix Ratio (w/w)		100:23.3
Specific Gravity	(g/cm <sup>3</sup> )	1.05-1.10
Service Temperature	(°C)	-20 to +80
Curing time	(hours)	3-5 hours depending on T°
Pot life	(minutes)	20-35 minutes depending on T°
Shelf life	(months)	12
Non volatiles	(%)	>99%
Tensile Strength	(MPa)	5.2
Elongation	(%)	310
Hardness	(Shore A)	90
Angle Tear Strength	(kN/m)	31
UV resistance		No chalking, no cracking but yellowing
Re-coating interval	(days)	Maximum 24 hours after application
Recommended substrate temperature	(°C)	+5 to +35
Recommended relative humidity	(%)	Between 20 and 90

All products are subject to Alka terms and conditions. Read the full version on our website prior to any purchase.

## | Contact us

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