

Alka-251

Water Based Polyurethane



| Introduction

Alka-251 is an advanced, top-quality, two-part water-based acrylic crosslinking emulsion specifically formulated to improve concrete surfaces. It offers numerous benefits compared to traditional sealers and can even be applied over existing solvent-based coatings.

| Where it could be used

- Industrial & Commercial protective coatings
- Sealing bare concrete (grind and seal projects)
- Showrooms
- Warehouses, storage, and packaging areas
- Food & Beverage Processing,
- Upgrading shop floors
- Workshops,
- Food and beverage production,
- Bars and food preparation areas,

| Benefits

- , Wear resistant and impact resistant,
- Applicable on wet and damp concrete
- Low VOC
- Protects new concrete from abuse,
- Hot tyres pick up resistance
- Excellent weathering properties
- Available in bulk quantities,
- Excellent mechanical resistance,
- Good chemical resistance,
- UV resistance

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| How to Apply

Before the application, make sure that the substrate is free from dust, surface water and surface contaminants such as oil, grease, fats, chemicals, rust, paints curing membranes, etc. All loose materials and surface laitance must be removed. For larger areas shot blasting, high-pressure water blasting or scabbling is recommended. On small areas needle gunning or bush hammering can be effective. Please bear in mind that the tensile strength of the substrate must be a minimum of 1.5MPa. Pre-wetting the substrate is not necessary except on very absorbent substrates and/or when exposure to intense sunlight is probable. There should be no visible or standing water.

Instructions

- 1- Mix comp. A and B with paddle mixer 1 min at 1 m/s
- 2- Use an 8-10mm nap roller for best results.
- 3- For optimal effect, apply two coats.
- 4- Avoid applying the coating too thickly as it may result in a milky appearance, while applying coats too thinly may show roller marks.
- 5- Do not apply if rain is expected soon.
- 6- Allow the coating to fully cure before performing any cutting; a minimum of 5-7 days is recommended.

After application and for the cleaning process, Water can be used for cleaning tools and equipment before the mixed compound begins to harden. Once cured, it must be removed mechanically.

| Important Notes

- Do not add any water.
- Do not apply Alka-251 on any substrates where significant vapor pressure may occur.
- Freshly applied Alka-251 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.

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

Technical and Physical Data

Form	Part A: clear, Milky, liquid Part B: Transparent, liquid	
Density (at 25°C)	1.0 ± 0.1 kg/litre	
Solid Content	-	
Mix Ratio	4:1	
Pot Life (at 25°C)	2h	
Application Temperature (ambient & substrate)	Minimum substrate temperature: 10°C + Maximum substrate temperature: 30°C + Maximum relative humidity: ~ 80%	
Cure times	Touch Dry:	4-7 hour @ 25°C approx.
	Waiting for overcoat:	8-24 hours @ 25°C approx.
	Light traffic:	3 days @ 25°C approx.
	Full cure:	7 days @ 25°C approx.
Substrate Moisture Content	-	
Storage	Minimum of 12 months in unopened containers when stored free from frost in dry conditions between 5°C and 30°C. Component B is classed as non- hazardous for transportation.	
Packaging	Pre-proportioned units in 5 and 20 L	

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

| Contact us

ALKA COATINGS / ABN: 70 652 323 487

2/4 Gregory Hills, NSW 2557 Australia.

Phone: 1300 51 51 50 / website: alka.au

info@alkacoatings.com.au / Find us on social media.