

# Alka 111

2-part Novolac epoxy System



## | Introduction

Alka 111 is a two component , fast cure , high performance , highly crosslinked epoxy Novolac Tank lining with excellent acid and solvent resistance.

## | Where it could be used

Alka 111 can be used for wastewater treatment tanks, Corrosion protection lining for storage tanks , Bund lining for manufacturing facilities with exposure to corrosive chemicals, Food processing plants, pumps and paper mills, fertilizer and insecticide plants, petroleum refineries.

## | Benefits

- 100% solid and durable, solvent-free,
- Rapid cure,
- Excellent bond strength,
- Easy application/Can be applied by brush or roller,
- Low VOC,
- Low permeability,
- Excellent resistance to alcohol and gasohol,
- Excellent acid resistance,
- Good mechanical resistance,
- Outstanding resistance to solvents.

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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.

Then shake component A shortly and pour into Component B container. Mix with an electric stirrer for at least 3 minutes. Apply ALKA 111 by brush or roller in 2-3 coats to achieve a minimum 0.9mm DFT. Allow to fully cure before exposure to chemicals. Do not apply ALKA 111 Novolac epoxy coating system to surfaces subject to rising damp. High atmospheric humidity or drop in ambient temperature to around dew point 4°C may result in condensation on the uncured film, causing blooming on the surface. As a consequence, roughening of the surface by mechanical abrasion will be required. Although the coating will cure at low temperatures, the extended gel times may make the resultant film susceptible to water spotting. Maximum relative humidity during cure should not exceed 85%. For a non-slip finish, broadcast silica sand or grit into the first wet coat to give required slip resistant finish. Mesh size used may increase quantity of ALKA 111 needed to achieve desired finish.

## | Important Notes

- Do not add any water.
- Do not apply Alka 111 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 111 in a confined space.
- Freshly applied Alka110 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

<b>Form</b>	Component A Component B	liquid transparent liquid
	Available in Australian Standards AS2700 Colours and RAL K7	
<b>Density (at 20°C)</b>	Comp A + B: 1.4 ±0.1 kg/litre	
<b>Mix Ratio</b>	Comp A : B = 5:1 by weight (3.1:1 volume)	
<b>Pot Life (at 20°C)</b>	Approximately <b>22 minutes</b>	
<b>Application Temperature(ambient &amp; substrate)</b>	Minimum substrate temperature: + 8°C Maximum substrate temperature: + 30°C Maximum relative humidity: ~ 80%	
<b>Cure times</b>	Initial Cure:	N/A
	Re-coat able:	4 hours @ 20°C approx.
	Light traffic:	3 days @ 20°C approx.
	Full cure:	10 days @ 20°C - 30°C approx. or 10 hours 70°
<b>Substrate MoistureContent</b>	n/a	
<b>Storage</b>	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.	
<b>Packaging</b>	Pre-proportioned units (A+B) in 24 kg	

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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