

# Alka 100

2-part bright, clear & transparent epoxy binder



## | Introduction

Alka 100 is a general purpose, two component, high solids, epoxy system that can be used as a primer, clear and transparent coat for interior or as a binder for pigmented slurry/broadcast system, epoxy mortars.

## | Where it could be used

As a primer, penetrating sealer and bonding agent on Concrete and mortar stone, Cement renderings, asbestos cement, timber, sub-fill for floor levelling, coving, as a bonding agent for: Epoxy mortar screeds, epoxy self-levelling floor toppings, mortar screeds and even for impregnating and sealing cement-based floorings in warehouses and stores, garages, boiler rooms and corridors. It can also be used as a topcoat for interior decorative finishes.

## | Benefits

- Extremely bright, clear and transparent,
- Suitable for use on dry and damp substrates,
- Excellent penetration and adhesion,
- Low viscosity,
- Excellent bond strength
- Easy application/Can be applied by brush or roller,
- Multi-purpose use,
- 100 % solids as supplied,
- Protects new concrete from abuse,
- Rejuvenates worn surfaces, to a smooth finish,
- Designed to take heavy loads,
- Available in bulk quantities,
- Good mechanical resistance,
- Good chemical resistance,
- Economical,
- Short waiting times before subsequent coatings.

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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.

Alka 100 is a versatile product and can be applied by brush, roller or spray. The recommended coating thickness is approximately 50 microns per coat.

After application and for the cleaning process, Xylene 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 100 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 100 in a confined space.
- Freshly applied Alka 100 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	clear, transparent, liquid transparent liquid
	Transparent when applied	
<b>Density (at 25°C)</b>	Comp A + B: 1.0 ± 0.1 kg/litre	
<b>Mix Ratio</b>	Comp A : B = 2 : 1 (by weight or volume)	
<b>Pot Life (at 25°C)</b>	Approximately <b>25 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: Re-coat able: Light traffic: Full cure:	2 days @ 20°C approx. 12 hours @ 20°C approx. (maximum 36 hours @ 20°C) 3 days @ 20°C approx. 7 days @ 20°C approx.
<b>Substrate MoistureContent</b>	Maximum of 12% by weight	
<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 30 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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