

# Alka 105

2-part solvent-based epoxy primer for damp surfaces



## | Introduction

Alka 105 is generally used to prime concrete surfaces prior to the application of the main coating products or systems. It improves the adhesion between substrates and coatings, particularly on difficult and **damp** surfaces (such as power-floated concrete). It can also be used to prime for application of polyurethane and polyurea coatings as well as sealing concrete.

## | Where it could be used

Our wide variety of two-component floor primers includes products that allow same-day application and top-coat application, reducing inconvenience and disruption for businesses, and for priming damp concrete floors and screeds to allow earlier application of floor coatings. Alka 104 is ideal for use around:

- Motor workshops
- Aircraft hangars
- Warehouses
- Back of house areas
- Stock and plant rooms
- kitchens
- processing and packing plants
- car showroom
- workshops

For use in industrial and commercial businesses that requires a durable and hard-wearing floor coating susceptible to mechanical loads.

## | Benefits

- Excellent adhesion to damp substrates
- Good adhesion to practically any surface
- Good penetration
- excellent corrosion resistance and sealing properties
- Good curing properties
- May be diluted
- Suitable for a range of applications and 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 105 is a versatile product and can be applied by brush, roller or spray. The recommended coating thickness is approximately 50 microns per coat. Approximately 6-8 m<sup>2</sup>/litre per coat depending on substrate conditions.

Strongly absorbent or porous substrates require two primer coats with a waiting time between coats of minimum 6 hours, and maximum 24 hours.

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 105 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 105 in a confined space.
- Freshly applied Alka 105 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: 1.1 ± 0.1 kg/litre	
<b>Mix Ratio</b>	Comp A : B = 1 : 1 (by weight or volume)	
<b>Pot Life (at 25°C)</b>	Approximately <b>50 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:	2 days @ 20°C approx.
	Re-coat able:	12 hours @ 20°C approx. (maximum 36 hours @ 20°C)
	Light traffic:	3 days @ 20°C approx.
	Full cure:	7 days @ 20°C approx.
<b>Substrate Moisture Content</b>	Maximum of 18% 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 80 kg / 8 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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