

Alka 113

2-part high chemical resistance epoxy coating



| Introduction

Alka 113 is a two component, 100% Solid, Pure bisphenol F, very good chemical and mechanical resistance , cost effective. Alka 113 fills the gap between common epoxy and Novolac epoxy in terms of chemical resistance. Versatile application methods such as brush, rolling or spraying.

| Where it could be used

Alka 113 suitable for industrial , mining , civil , chemical-resistant industrial flooring, primary containment of water and wastewater, manholes, wet wells and lift stations , wastewater treatment plants, pulp and paper mills, power stations , laboratories , battery storage areas.

| Benefits

- 100% solid and durable, solvent-free,
- Good workable time,
- Excellent bond strength,
- Easy application/Can be applied by brush or roller,
- Low VOC,
- High mechanical strength and temperature resistance together with moisture resistance
- Excellent chemical resistance against oil and diluted mineral acids.

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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 113 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 113 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 113 in a confined space.
- Freshly applied Alka 113 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 | Component A Component B | liquid transparent liquid |
| | Available in Australian Standards AS2700 Colours and RAL K7 | |
| Density (at 25°C) | Comp A + B: 1.4 ±0.1 kg/litre | |
| Mix Ratio | Comp A : B = 5:1 by weight (3.1:1 volume) | |
| Pot Life (at 25°C) | Approximately 40-50 minutes | |
| Application Temperature(ambient & substrate) | Minimum substrate temperature: + 8°C Maximum substrate temperature: + 30°C Maximum relative humidity: ~ 80% | |
| Cure times | Dust free time: | 9 hours @ 20°C approx. |
| | Re-coat able: | 12 hours @ 20°C approx. |
| | Light traffic: | 3 days @ 20°C approx. |
| | Full cure: | 7 days @ 20°C-30°C approx. |
| Substrate MoistureContent | n/a | |
| 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 (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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