

| Introduction

Alka 118 is a specialized two-component epoxy coating system designed for use in environments where electrostatic discharge (ESD) must be controlled. Alka 118 Anti-static epoxy coating is formulated with conductive materials that allow for the dissipation of static charges safely into the ground, preventing the accumulation of electrostatic discharge (ESD).

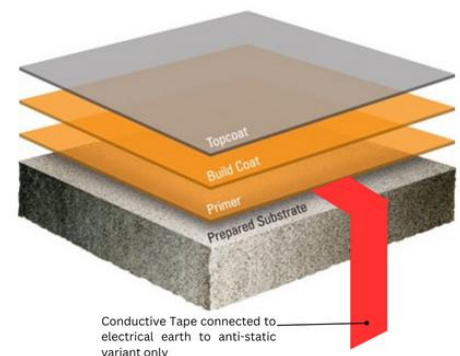
Anti-static epoxy floor coatings are specialized flooring solutions designed to prevent the build-up of static electricity. These coatings are commonly used in environments where static discharge can pose a hazard, such as electronics manufacturing facilities, data centres, pharmaceutical plants, hospitals, and areas handling flammable materials.

| Where it could be used.

- **Electronics Manufacturing:** Sensitive electronic components can be damaged by even minor static discharges. Anti-static coatings protect both workers and products.
- **Data Centres:** Prevents static buildup, protecting sensitive computer and networking equipment.
- **Healthcare Facilities:** In environments with sensitive medical equipment, anti-static floors help reduce the risk of static discharge.
- **Pharmaceuticals:** Cleanrooms and production areas benefit from the seamless, sterile surface these coatings provide.
- **Aerospace and Defence:** Where flammable or explosive materials are handled, static discharge can be dangerous.

| Benefits

- **LOW VOC:** 100% solid, solvent-free,
- Electrostatic discharge (ESD) protection,
- High gloss and durable surface,
- Protection of equipment and electronics,
- Explosion and fire risk mitigation,
- Good chemical resistant,
- Excellent bond strength,
- Impact resistant, hard wearing and abrasion resistant,
- Designed to take heavy loads,
- Low maintenance,
- Good mechanical resistance,
- Economical.



| 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.

The floor requires a CSP 2 or higher which means: diamond grinding and/or shot blasting is recommended. Please bear in mind that the tensile strength of the substrate must be a minimum of 1.5MPa.

The floor needs Alka 104 as the epoxy primer. Then, Alka 118 will be trowelled to the thickness of 1-2mm. Next step would be to install copper tape net. Thereafter, Alka 118 must be trowelled again to the thickness of 1-2 mm.

To apply, first stir component A thoroughly with a paddle mixer for 2 minutes. Then pour Component B into the Part A container. Mix with an electric stirrer for at least 2 minutes.

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 118 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 118 in a confined space.
- Freshly applied Alka 118 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.

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

Technical and Physical Data

Form	Component A Component B	Coloured, liquid transparent liquid
	Available in Australian Standards AS2700 Colours and RAL K7	
Density (at 20°C)	Comp A + B: 1.6 kg/litre	
Mix Ratio	Comp A : B = 5:1 by weight (or 3:1 volume)	
Pot Life (at 20°C)	Approximately 25 minutes	
Application Temperature(ambient & substrate)	Minimum substrate temperature: +10°C Maximum substrate temperature: + 30°C Maximum relative humidity: ~ 80%	
Cure times	Touch Dry: Light traffic: Full cure:	8 Hours @ 20°C approx. 3 Days @ 20°C approx. 7 days @ 20°C approx.
Substrate MoistureContent	Maximum of 12% by weight	
Storage	Minimum of 12 months in unopened containers when stored free from frost in dry conditions between 10°C and 30°C. Component B is classed as non- hazardous for transportation.	
Packaging	Pre-proportioned units (A+B) in 24kg. (16 Litres)	

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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