

| Introduction

Alka 110T is a 2-component thixotropic, high viscosity, 100% solid solvent-free high build pigmented epoxy coating for durable, decorative finishes. It can be applied to vertical surfaces in addition to providing durable floor surface and provides an outstanding balance of physical strength, flexibility and chemical resistance.

An epoxy floor coating system is a multi-layered application that provides a tough, durable, and attractive finish to concrete floors. 100% solids epoxies are ideal for various applications where high performance and environmental considerations are important. Due to the absence of solvents, 100% solids epoxies offer several advantages such as

- Stronger bond: They cure to form a denser and more solid coating, resulting in superior adhesion and durability.
- Chemical resistance: They are typically more resistant to chemicals, abrasions, and wear compared to solvent-based epoxies.
- Lower odour: The lack of solvents translates to minimal odour during application.

| Where it could be used.

Alka 110T has been formulated with heavy duty application in mind and it can be used in: Industrial and commercial uses, warehouses, storage and packaging areas, Food and beverage processing, in electric and power plants, garbage and clean rooms, high traffic areas, aero-space such aircraft and helicopter hangers, food and beverage productions, waste waters, sewerages and all other industrial application.

| Benefits

- Low VOC: 100% solid, solvent-free,
- Durable, heavy duty and Seamless,
- Very good abrasion resistance,
- Very good chemical resistance,
- Excellent resistance to whitening /blooming from early exposure to surface moisture,
- Textured non-slip surface,
- Solvent-free and non-flammable,
- Fast installation,
- Can be applied on vertical and horizontal surfaces,
- Easily cleaned and maintained,
- Fast return-to-service

| How to Apply

Surface Preparation

- **Clean the Floor:** Thoroughly clean the floor to remove dirt, grease, oil, or any other contaminants. Use a degreaser or detergent for areas with oil or grease stains.
- **Repair Cracks and Holes:** Use a concrete patching material to fill in any cracks, holes, or imperfections. Allow it to fully dry before proceeding.
- **Grind or shot blast the Floor:** If the floor is smooth, you'll need to roughen it using a floor grinder or shot blaster. This helps the epoxy bond better to the concrete. Clean the dust afterward with a vacuum or broom.
- **Test for Moisture:** Check for moisture levels in the concrete by taping plastic sheets to the floor for 24 hours. If moisture builds up underneath, the floor may not be suitable for epoxy application.

Alka 110T is a versatile product and can be applied by brush, roller, squeegee, or airless spray at 0.6mm -0.7 mm per coat or:

- Approximately 0.25–0.3 kg/m² applied as a roller coating.
- Approximately 0.9–1.2 kg/m² applied as a self-smoothing wearing course or as finish locking coats on textured finishes.

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 110T on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 110T in a confined space.
- Freshly applied Alka110T 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.

Alka 110 T



2-Component, Textured High Build Durable 100% Solids Non-Blooming Epoxy Coating

A full Material Safety Data Sheet 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: + 40°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 Moisture Content	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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