

# Alka TEN

One-component elastomeric waterproofing membrane



## | Introduction

Alka TEN is Elastomeric Acrylic Waterproof Coating is a synthetic one component waterproof emulsion with high performance, which is produced with modified acrylate multi-polymers raw materials and added with a variety of additives and fillers. All these materials are formulated and optimized by our engineers strictly and they are produced and inspected with rigid process.

## | Where it could be used

As a waterproofing membrane under tiles like bathroom, toilets. In all construction usages such roofing, planter boxes, balconies, showers, bathrooms and all wet areas. Applicable to waterproofing, seepage prevention and moisture-proof projects in tunnels, bridges, and subways. Suitable waterproof, impermeable and moisture-proof areas like kitchen, bathrooms, balconies, flower beds, terraces, pools, etc.

## | Benefits

1. Environmentally friendly coating. Alka TEN polymer acrylic waterproof coating is a pollution-free and environment-friendly waterproof coating with water as its medium. It is free of any danger as fire and poisoning during production, storage, transportation and construction because the raw materials and additives are non-toxic and solvent-free.
2. Excellent weather. The test indicates that polymer acrylic waterproof coating is the best among all waterproof coating because it is excellent in light resistance, UV resistance, high temperature resistance, aging resistance, and excellent weather resistance.
3. High solid content. It is easy to form a thick coating layer with a single brush and the coating layer is good performance in flexible, cold-resistant, heat-resistant, and it can be used for more than 25 years.
4. Easy to be constructed. The coating layer has good mold resistance, high strength, good elasticity, and it forms a rigid and flexible waterproof system bond to the base layer which can adapt to a variety of ground vibration and deformation of the building structure.
5. Good resistance to freezing and thawing. It is good to weather change which means there is no air bubbles and flow or dipping at high temperatures and no cracks with good flexibility and strong adhesion during low temperature. Its bonding strength is high with concrete and oily base membranes such as bitumen, linoleum, and PVC membranes.
6. Flexible market suitability, It can be produced in a variety of colours which can be used as decorative materials for ornamental use with beautiful appearance. Various colours are available as per customers demand.

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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.

Recommend thickness of the coating film is above 1.5 mm, and the interval between each coating is 2-12h (depending on the weather conditions). 1-2 layers of glass fibre cloth or other carcass materials can be added in the middle of the coating. Generally, 1.5-2.0 kg/m<sup>2</sup> for 1 mm thick rubber liked membrane to form.

## | Important Notes

- Do not apply Alka TEN on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka TEN in a confined space.
- Freshly applied Alka TEN 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	milky, coloured
	Transparent when applied and/or coloured.	
<b>Density (at 25°C)</b>	Comp A: 1.2 ± 0.1 kg/litre	
<b>Elongation</b>	≥ 200%	
<b>Drying time (at 25°C)</b>	Approximately <b>4 hours</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:	4 hours @ 25°C approx.
	Re-coat able:	2-12 hours @ 25°C approx.
	Full cure:	7 days @ 25°C approx.
<b>Storage</b>	Minimum of 12 months in unopened containers when stored free from frost in dry conditions between 5°C and 30°C.	
<b>Packaging</b>	Pre-proportioned unit in 20 kg.	

All products are subject to Alka terms and conditions. Read the full version on our website prior to any purchase. This product is non-toxic, non-flammable, non-corrosive, and can be transported as ordinary goods.

## | Contact us

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