

AlkaCrete

Cementitious 3K PUR system



| Introduction

AlkaCrete is a water based cementitious polyurethane. Once cured, AlkaCrete yields matt, exceptionally heavy duty, durable and impact resistant.

| Where it could be used

- Industrial & Commercial.
- Warehouses, storage, and packaging areas
- Food & Beverage Processing,
- High Traffic Applications
- Workshops,
- Food and beverage production,
- Bars and food preparation areas,
- Kitchens and slaughterhouse

| Benefits

- Heavy duty, Wear resistant and impact resistant
- Applicable on wet and damp concrete
- VOC free
- Protects new concrete from abuse,
- Cost effective
- Available in bulk quantities,
- Excellent mechanical resistance,
- High chemical resistance,
- Very short waiting times before subsequent 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.

Instructions

- Mix comp. A pos. 1-3 under stirring 5 min with dissolver at 6 m/s
- Mix comp. C pos. 1-5 with rotation mixer 20 min

- Mix comp. A and B with paddle mixer 1 min at 1 m/s
- Add comp. C under stirring; mix 2 min at 2 m/s

To prepare for topping, anchor grooves measuring at least 8-12 mm in width and depth must be cut along the inner perimeter of the designated area, as well as around drainage areas. Additionally, ensure that double diamond blade saw cuts, each 5 x 5mm in size, are evenly distributed across the entire floor, with intervals no greater than 4-5 meters.

After application and for the cleaning process, Water 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 AlkaCrete on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using AlkaCrete in a confined space.
- Freshly applied AlkaCrete 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	Part A: clear, Milky, liquid Part B: Brownish, liquid Part C: Powder	
Density (at 25°C)	1.85 ± 0.1 kg/litre	
Solid Content	%80 ±5.0	
Mix Ratio	1:1:4.67	
Pot Life (at 25°C)	15-20 min	
Application Temperature (ambient & substrate)	Minimum substrate temperature: 10°C + Maximum substrate temperature: 30°C + Maximum relative humidity: ~ 80%	
Cure times	Touch Dry:	4-7 hour @ 25°C approx.
	Waiting for overcoat:	24 hours @ 25°C approx.
	Light traffic:	3 days @ 25°C approx.
	Full cure:	7 days @ 25°C approx.
Substrate Moisture Content	-	
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 in 20 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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