Alka 210

2-component polyaspartic coating system

| Introduction

Alka 210 is a two component, ultra-high solid, polyaspartic coating system that can be used as coating system where excellent UV resistance is expected from the coating system.

Alka 210 is highly resistant to UV radiation, meaning they do not yellow or degrade when exposed to sunlight. This makes them ideal for outdoor applications such as parking lots, garages, and patios.

Polyaspartic resin is a type of aliphatic polyurea that is primarily used as a high-performance, fast-curing coating for floors and other surfaces. It offers superior durability, chemical resistance, and flexibility compared to traditional coatings like epoxy or polyurethane. Polyaspartic coatings are commonly used in industrial, commercial, and residential settings due to their rapid curing times and strong protective qualities.

| Where it could be used.

- **Industrial and Commercial Flooring**: Due to its strength, durability, and chemical resistance, polyaspartic resin is often used in warehouses, factories, and showrooms.
- **Garage Floors**: The fast-drying nature and durability of polyaspartic make it an excellent option for residential garage floors, providing protection against oil spills and tire marks.
- **Exterior Applications**: Thanks to its UV stability and weather resistance, polyaspartic resin is frequently used for outdoor surfaces such as decks, patios, and sidewalks.
- **Cold Storage Facilities**: Its ability to be applied at low temperatures makes it ideal for use in cold storage facilities, where other coatings might fail.

| Benefits

- Low VOC, ultra-high solid formulation,
- Excellent UV resistant,
- Perfect self-levelling properties,
- High gloss coating,
- Low viscosity,
- Excellent bond strength,
- Easy application/Can be applied by brush or roller,
- Multi-purpose use,
- Rejuvenates worn surfaces, to a smooth finish,
- Designed to take heavy loads,
- Good mechanical resistance,
- Good chemical resistance,
- Short waiting times before subsequent coatings.

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| 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 polyaspartic coating system, 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 polyaspartic application.

Alka 210 can be applied by brush, roller, notched or flat squeegee, or airless spray at 0.6mm -0.7 mm per coat or:

• Approximately 0.25–0.4 kg/m² applied as a roller coating.

• Approximately 1.5–2.0 kg/m² applied as a self-smoothing or as finish locking coats on textured finishes.

Mix component A for a minimum of 2 minutes. Then pour Component B into component A container. Mix with an electric stirrer for at least 3 minutes. Alka 210 is a versatile product and can be applied by brush, roller or spray. The recommended coating thickness is approximately 0.2mm -0.3 mm 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 use any alcohol, such as methylated sprit, as dilutant.
- Do not apply Alka 210 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 210 in a confined space.
- Freshly applied Alka 210 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 Available in Australian Standards AS2700 Colours and RAL K7.	Coloured, liquid transparent, liquid
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 **30 minutes**	
Application Temperature(ambient & substrate)	Minimum substrate temperature: +5°C Maximum substrate temperature: + 30°C Maximum relative humidity: ~ 80%	
Cure times	Touch Dry: Light traffic: Full cure:	16-24 Hours @ 20°C approx. 3 Days @ 20°C approx. 7 days @ 20°C approx.
Substrate MoistureContent	Maximum of 12% by weight or ≤ 80% relative humidity.	
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.	

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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