Alka 1122

2-part low yellowing, transparent epoxy resin

| Introduction

Alka 1122 is two parts, low-yellowing, low viscous and transparent epoxy resin that can be used as a clear coating system or as a topcoat for decorative flake flooring system or metallic flooring system.

Alka 1122 low yellowing clear epoxy, a top-tier epoxy glaze designed for projects requiring exceptional clarity and durability. This high-performance product offers a crystal-clear finish that resists yellowing, even when exposed to UV light or over extended periods of time. It's specially formulated to maintain its transparency, making it ideal for applications where long-term aesthetic appeal is critical.

Whether you're coating countertops, floors, furniture, or using it for artistic purposes, our low yellowing epoxy ensures that surfaces remain pristine and free from discoloration. The advanced formulation provides a high-gloss, smooth finish that not only enhances the appearance of the underlying surface but also offers superior protection against wear, scratches, and chemical exposure.

In addition to its UV resistance, our low yellowing epoxy delivers outstanding adhesion to various substrates, ensuring a strong, lasting bond. It’s easy to apply, self-leveling, and can be used for a wide range of applications, from art projects and DIY home improvements to large-scale commercial installations. With its quick curing time and exceptional durability, this epoxy is perfect for anyone looking to achieve a professional-grade finish that stands the test of time.

| Where it could be used.

As a transparent topcoat: as transparent finish coat for decorative flooring, transparent binder for coloured quartz mortars and screeds, mortar screeds and smooth coatings fully broadcast to excess with coloured chips, binder for pavement applications that gives draining floors, with no yellowing over time.

| Benefits

- High gloss and transparent,
- Low VOC-content, 100% solid,
- Very Low yellowing,
- Perfect self-levelling,
- Excellent bubble-releasing,
- Impact and abrasion resistant,
- Low viscous,
- Very low odour,
- Easy to mix and apply.

| How to Apply

- **Clean the Surface:** Ensure the surface is completely clean, free of dust, dirt, grease, or any contaminants that could affect adhesion. If necessary, sand the surface lightly to create a rough texture for better adhesion.
- **Mix Thoroughly:** Pour component B into component A container. Stir the mixture slowly for about 2-3 minutes, ensuring the components are fully integrated. Avoid stirring too quickly to prevent air bubbles from forming.

Applying the Epoxy Glaze

- **Pour the Epoxy:** Once the epoxy is mixed, pour it slowly onto the prepared surface. If you're working on a large surface, pour the epoxy in thin lines or puddles and spread it evenly.
- **Trowel-on Application:** Use a flat-edge or notched trowel or notched squeegee to spread Alka 1122 evenly across the surface. For thinner coats, use a flat squeegee or roller to ensure even distribution.
- **Self-Leveling:** Alka 1122 can be applied as self-leveling compound, meaning it will settle into an even layer on its own. However, use the spreader to guide the epoxy and ensure all areas are covered.

Eliminate Air Bubbles

- **Heat Gun or Torch:** After applying Alka 102-G, air bubbles may rise to the surface. To remove these, lightly pass a heat gun or propane torch over the surface, holding it about 15-25cm above the epoxy. Move it in quick, sweeping motions to pop any bubbles without burning or overheating the epoxy.
- **Check for Bubbles:** Repeat the process after a few minutes to ensure all bubbles are removed.

- If applied by roller, brush or spray, a minimum thickness of 0.2-0.3 mm is required to apply.

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

- Under UV-exposure some discolouration (yellowing) may occur, however this has no influence on the function and performance of the coating.
- Do not use any alcohol, such as methylated sprit, as dilutant.
- Do not add any water.
- Do not apply Alka 1122 on any substrates where significant vapor pressure may occur.
- Always ensure good ventilation when using Alka 1122 in a confined space.
- Freshly applied Alka 1122 should be protected from damp, condensation and water for at least 24hours.
- 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 Transparent when applied.	transparent, liquid transparent, liquid
Density (at 20°C)	Comp A + B: 1.05 ± 0.05 kg/litre	
Mix Ratio	Comp A : B = 1:1 by weight (or by volume)	
Pot Life (at 20°C)	Approximately **40 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:	1-2 Days @ 20°C approx. 4 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.	
Packaging	Pre-proportioned units (A+B) in 12kg.	

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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