

Processing instructions / Technical data sheet

CAIRCON – 2 PACK POOL PAINT

It is an advanced 2-component epoxy resin swimming pool coating that is superior to conventional 1-component swimming pool paints. It is not based on chlorinated rubber or PU, but on an epoxy resin system that offers exceptionally high mechanical strength and chemical resistance. As a result, it is characterized by significantly increased durability. In a perfectly coordinated bond with **CAIRCON 2 Pack Swimming pool Sealing**, a 2-component sealing slurry, the paint achieves an optimum level of performance: **CAIRCON 2 Pack Swimming pool Sealing** not only ensures efficient sealing, but also serves as an adhesive base for the coating with **CAIRCON – 2 PACK POOL PAINT**. The result is not only a visually appealing surface, but also a surface texture that is convincing to the touch. For mineral substrates, such as tiles, concrete or cement, the combination of both products forms a system that ensures the permanent impermeability and integrity of the pool.

Check the color shade for color accuracy by applying a test coat BEFORE use - no complaints/exchanges possible after use! On contiguous surfaces, only use colors from the same delivery or with identical batch numbers! Material/tools with the same consistency and batch number must also be used when touching up the surface.

Step 1: Substrate preparation

1. If the swimming pool paint for concrete pools is used as an initial coating, thorough cleaning is required. Use the **CAIRCON - Special pre-cleaner** for this purpose.
2. Remove carefully cement slurry, sintered layers, residues of formwork oil and lime deposits.
3. The fresh concrete should be **at least 6 weeks old** and have no holes or cavities. It must also be completely dry and free of dust before you start applying.
- 4 To ensure optimum sealing, we recommend first preparing the pool with **CAIRCON 2 Pack Swimming pool Sealing**, it also serves as a primer for the pool paint.
5. Allow the sealing slurry to dry for **at least 24 hours** before continuing with the coating process.

Notes:

The paint is ideal for swimming pools made of **concrete, cement and steel**. Test suitability for GRP and liner pools beforehand by creating a test area, as these materials can vary greatly in composition.

If third-party products are used to prepare the substrate, their compatibility and the perfect final result must be checked by applying a test surface BEFORE coating. If third-party products are used, no liability can be accepted for improper processing results.

Step 2: Mixing the epoxy resin

Mix the material in the correct mixing ratio immediately before use. Stir the resin first and then add the hardener. Mix intensively using a low-speed agitator or a drill with an agitator paddle **at a maximum of 450 rpm until** a streak-free and uniform color is achieved. Pour the material into another container and mix thoroughly again (avoid processing directly from the delivery container).

- Mixing ratio epoxy **colored**: 10:1 by weight with hardener.
- Mixing ratio epoxy **transparent**: 2:1 by weight with hardener.

The pot life is 60-90 minutes. Process the mixed material within the specified pot life. Material that has not been processed after this period can no longer be used and must be **disposed of properly**.

IMPORTANT:

Mix at max. 450 revolutions per minute!

Do not use at temperatures above 25°C!

Failure to observe these instructions may result in a chemical overreaction: The product will then become hot and hard in a very short time. In this case, allow the bucket with the product to cool down before touching it and ensure good ventilation.

Step 3: Processing

1. Application methods: The material can be brushed or rolled on. For a convenient and even application, we recommend the use of a **CAIRCON floor roller**. Always work fresh on fresh for a uniform appearance. Apply the material evenly (stick to the specified material consumption) and roll in a crosswise motion.

2. Deaerate: If air bubbles are trapped, deaerate approx. 5-10 minutes after application in a crosswise motion with a **CAIRCON epoxy spiked roller**. Use **CAIRCON nail soles** to avoid damaging the already coated surface. For larger areas, work with several people and divide the area into sections if necessary. Always use material from one batch on contiguous surfaces.

3. Multi-coat application: 2 coats are recommended to achieve a sufficient wear layer and coverage.

4. Exposure of the coating film to water: Water must **not be allowed to** enter for **at least 14 days** after application of the last coat. Temperatures must not be below 17 °C during this time. Rinse the basin with water before filling.

Notes:

- Start by painting the edges with a **brush** to obtain a clean edge. We recommend ordering our **CAIRCON paintbrush set** (35mm, 50mm, 70mm).
- Use a new roller for each new coat to achieve an even result.
- The surface can be walked on the next day, but full load-bearing capacity is **only achieved after approx. 7-9 days**.
- The coating must not come into contact with water until it is fully cured in order to avoid white chalking and streaks. These can be neutralized with vinegar essence.
- **The paint should be recoated within 8 hours.** If the intermediate drying time is longer, sand before applying the next coat to avoid adhesion problems. Use 240-280 grit sandpaper for this purpose.

Drying times

Dust dry	Walkable	Water inlet
Approx. 1-2 hours	After 24 hours	After 14 days

Please note that these times only apply at an optimum air temperature of 20-25°C and humidity of 40-60% and may vary in the event of changes.

Technical data

Processing conditions	Do NOT apply at temperatures below +15°C / above +25°C and humidity above 70%. The temperature should also not fall below +15°C during drying and subsequent curing of approx. 8 days.
Optimal processing conditions	Air temperature: 20-25°C; object temperature > 15°C; relative humidity: 40-60%. Air velocity: at least 0.4 m/s (ensure good ventilation).
Consumption	Approx. 250g/m ² , per coat. 2 coats are recommended.
Shelf life	Approx. 24 months if stored properly from +5°C to +25°C in unopened containers. Protect from frost and moisture.

Waste disposal

Cured epoxy resin products are not waste requiring special monitoring and should generally be disposed of as household-type commercial waste. Empty metal or plastic containers should be disposed of in accordance with the Packaging Ordinance, i.e. recyclable materials must be sent for recycling.

Safety and protective measures

Component A

None

Component B

H318 Causes serious eye damage.

P102 Keep out of the reach of children.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P305+P351+P338 In case of contact with eyes: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Recommended additional products

Cleaning	CAIRCON - Acid etching, CAIRCON - Special pre-cleaner
Substrate preparation	CAIRCON - Floor primer, CAIRCON - 2 Pack Swimming pool Sealing, CAIRCON - Leveling floor compound, CAIRCON - 2 Pack epoxy repair mortar
Tools	CAIRCON nail soles, CAIRCON floor roller, CAIRCON epoxy spiked roller, CAIRCON brush set
Similar products	CAIRCON - 2 Pack floor paint, CAIRCON - Floor paint, CAIRCON - 2 Pack terrace paint, CAIRCON - 2 Pack tile paint

