

CL450 2K Pool paint

Advanced 2K epoxy resin swimming pool coating · satin · high mechanical & chemical resistance · mixing ratio coloured 10:1, transparent 2:1 · for pools of concrete, cement & steel

 Brushing · Rolling Application	 approx. 250 g/m² Consumption per coat	 1–2 h dust-dry*	 +15 to +25 °C Application	 Pot life 60–90 min max. 450 rpm
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*Guide value at 20–25 °C / 40–60 % relative humidity — all drying times on page 2.

CAIRCON 2K Pool paint is an advanced 2-component epoxy resin swimming pool coating with exceptionally high mechanical strength and chemical resistance. In combination with the **2K sealing slurry** — which also serves as an adhesion primer — it forms a permanently tight system for mineral substrates such as tiles, concrete or cement.

IMPORTANT — MIX CORRECTLY: Stir at max. 450 rpm and do not apply at temperatures above +25 °C. Failure to observe this can cause a chemical over-reaction: the product heats up and cures within a very short time. In this case, let the bucket cool down before touching it and ensure good ventilation.

1 · PREPARE THE SUBSTRATE

1	Clean & sand Degrease the substrate thoroughly with the Special pre-cleaner . Check any existing old coatings for load-bearing capacity by cross-cut and sand with 60–80 grit. Remove cement laitance, sinter layers, form-oil residues and lime. Fresh concrete must be at least 6 weeks old, dry and dust-free.
2	Seal & prime For optimal sealing, first prepare the pool with the 2K sealing slurry (also serves as a primer) and allow it to dry for at least 24 hours.

Test suitability for GRP and liner pools beforehand with a test area. For third-party products: check compatibility and the end result beforehand on a test area — we accept no liability for the result.

2 · MIX THE EPOXY RESIN

3	Mix Mix immediately before use: first stir the resin, then add the hardener. Mix intensively with a slow-running mixer (max. 450 rpm), transfer into another vessel and mix thoroughly again. Mixing ratio coloured 10:1, transparent 2:1 (by weight with hardener).
4	Pot life The pot life is 60–90 minutes — apply mixed material within this time, dispose of the remainder properly.

3 · APPLICATION

5	Apply & deaerate Start at the edges with the Paintbrush set (35/50/70 mm), then brush or roll (Floor roller) — wet-in-wet. If air bubbles form, deaerate crosswise approx. 5–10 min after application with the Epoxy spiked roller ; while doing so wear Spiked overshoes and always use material from one batch.
6	2nd coat Two coats for sufficient hiding power. Intermediate drying at least 12 h (optimal 24 h, up to 48 h depending on conditions); if 48 h is exceeded, sand with 240–280 grit before the next coat. Use a new roller for each coat.
7	Fill with water Water may be let in no earlier than 14 days after the last coat (>17 °C). Until fully cured, avoid contact with water (white efflorescence possible; neutralise with spirit vinegar if needed). Rinse out the pool before filling.

WEAR PPE: The hardener (component B) causes serious eye damage (H318). Wear safety goggles or face protection and protective gloves and avoid eye and skin contact.

TROCKENZEITEN

1–2 h DUST-DRY	24 h WALKABLE	14 days FILL WITH WATER
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Full loadability only after approx. 7–9 days.

All times apply at 20–25 °C and 40–60 % relative humidity; other conditions change them.

PRODUCT DATA (GUIDE VALUES)

Gloss level	satin
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Base	2-component epoxy resin system
Consumption	approx. 250 g/m ² per coat · 2 coats recommended
Mixing ratio	coloured 10:1 · transparent 2:1 (by weight)
Pot life	60–90 minutes · mix at max. 450 rpm
Application	+15 to +25 °C, rel. humidity max. 70 % — also during curing (approx. 8 days) do not fall below +15 °C
Water loading	let water in no earlier than 14 days after the last coat (>17 °C)
Storage	approx. 24 months unopened at +5 to +25 °C, protected from frost and moisture

All data are non-binding guide values and depend on substrate, tool and ambient conditions — no assured properties.

RECOMMENDED COMPLEMENTARY PRODUCTS	
Cleaning	Etching solution · Special pre-cleaner
Substrate	Epoxy primer · 2K sealing slurry · Levelling compound · Epoxy resin mortar
Tools	Spiked overshoes · Floor roller · Epoxy spiked roller · Paintbrush set
Similar products	Epoxy floor coating · Floor coating · 2K Balcony paint · 2K Tile paint

SAFETY & DISPOSAL	
Component A (base)	no pictograms, no signal word — not subject to labelling
A · P101 / P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
Component B (hardener)	Hazard pictogram GHS05 · signal word: Danger
B · H318	Causes serious eye damage.
B · P233 / P280	Keep container tightly closed. Wear eye/face protection and protective gloves (P280 added).
B · P302+P352 / P337+P317	IF ON SKIN: Wash with plenty of water and soap. If eye irritation persists: Get medical help.
Environment & disposal	Cured epoxy resin products are to be disposed of like household-type commercial waste; give completely emptied containers for recycling. For liquid residues no EWC waste code is stated in the original.
Binding source	Label and safety data sheet CAIRCON 2K Pool paint.