

				
Brush · Roller · Spray gun Application (no foam rollers)	approx. 5–8 m²/l Consumption per coat	40–60 min dust-dry*	+20 to +25 °C optimal	Solvent-based Clean with degreaser/thinner

*Guide value at 20–25 °C / 40–60 % relative humidity — all drying times on page 2. 2K: base + hardener in a ratio of 2:1.

CAIRCON 2K PU wood varnish is a high-quality 2K polyurethane clear varnish that is particularly suitable for parquet and stair surfaces. Thanks to its high resistance to abrasion, chemicals and loads, it offers optimal protection for heavily used wooden floors and is also excellent for furniture and interior fittings. In the metal sector it is suitable for coating façades, machines, steel structures as well as aluminium, zinc sheet, galvanised steel and plastics (interior & exterior). Suitable for surfaces coated with 2K PU or acrylic topcoats; not suitable for 1K alkyd resin varnishes.

CAUTION — FLAMMABLE & ISOCYANATES: Base and hardener are flammable (H226/H225) — keep away from heat, sparks and open flames, do not smoke. The hardener contains isocyanates (EUH204) and may cause an allergic reaction. Wear protective gloves and eye/face protection and ensure good ventilation (P280).

1 · PREPARE THE SUBSTRATE

1	Clean The substrate must be dry, clean, load-bearing, free of grease and free of separating substances (algae, moss, resins, waxes, oils). For thorough pre-cleaning we recommend the Special degreaser .
2	Prepare metals Clean iron and steel, sand if necessary (remove rust, scale, mill scale). Clean zinc with zinc cleaner and a Scotch-Brite pad and rinse with water. Clean, sand and degrease aluminium with silicone remover.

For third-party products used in substrate preparation: check compatibility and final result beforehand on a test area — we accept no liability for the result obtained with third-party products.

2 · MIX THE COMPONENTS

3	Mixing Prepare the material only immediately before use in a ratio of 2 parts base varnish to 1 part hardener : first stir the base, then add the hardener and mix intensively with a slow-running stirrer (max. 450 rpm) until a streak-free, uniform colour is obtained.
4	Pot life The pot life is approx. 2–3 hours at 20 °C (depending on ambient temperature and humidity).

Before painting larger areas, always make a test area first and check adhesion and colour when dry.

3 · APPLY THE VARNISH

5	Application Brush or roll. Suitable rollers are mohair, pile, velour, smooth-felt, Royal or Rolloplan — foam rollers are not suitable . For a uniform appearance, work wet-in-wet, apply evenly (keep to the specified material consumption) and back-roll crosswise.
6	2nd coat Always apply 2 coats to achieve a sufficient wear layer and hiding power. The varnish should be overcoated after approx. 8–10 hours. Use a new roller for each new coat.

MAKE A TEST AREA: Before larger areas, always make a test area and check adhesion and the desired colour when dry.

TROCKENZEITEN

approx. 40–60 min DUST-DRY	8–10 h OVERCOATABLE	approx. 7 days FINAL HARDNESS
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The times only apply at an optimal air temperature of 20–25 °C and 40–60 % relative humidity and may vary under deviating conditions.

PRODUCT DATA (GUIDE VALUES)

Gloss level	satin/matt
Base	2K polyurethane (solvent-based)
Mixing ratio	2:1 (base varnish : hardener) · stir at max. 450 rpm
Pot life	approx. 2–3 hours at 20 °C
Application area	wood (parquet, stairs, furniture), metal (aluminium, zinc, steel), plastic · interior & exterior · not for 1K alkyd resin varnishes

Consumption	approx. 5–8 m ² /l per coat · 2 coats recommended
Application	optimal 20–25 °C, object > 15 °C, 40–60 % rel. humidity
Temperature resistance	150–180 °C
Storage	varnish approx. 24 months, hardener approx. 12 months at +5 to +25 °C, dry, cool, protected from frost/moisture/sun/heat

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

RECOMMENDED COMPLEMENTARY PRODUCTS

Cleaning	Special degreaser
Tools	Floor roller · Brush set

SAFETY & DISPOSAL

Component A (base)	GHS02/GHS07 · signal word: Warning · H226 (flammable liquid and vapour), H317 (may cause an allergic skin reaction), H336 (may cause drowsiness or dizziness), H412 (harmful to aquatic life with long lasting effects), EUH066.
Component A — safety	P101, P102, P103, P210 (keep away from ignition sources, do not smoke), P261, P280 (protective gloves/eye/face/hearing protection), P303+P361+P353, P304+P340, P501.
Component B (hardener)	GHS02/GHS07 · signal word: Danger · H225 (highly flammable liquid and vapour), H317, H319 (causes serious eye irritation), H336, EUH066, EUH204 (contains isocyanates — allergic reactions possible).
Component B — safety	P210, P233, P261, P280 (protective gloves/eye/face protection), P370+P378 (in case of fire use sand/extinguishing powder/foam), P403+P235 (store in a cool, well-ventilated place).
Environment & disposal	Give completely emptied containers for recycling; dispose of liquid/uncured residues as hazardous waste at the collection point. Waste code EWC 08 01 11* (hazardous).