

 Trowel · Spacer squeegee Application	 1.5 kg + 25 kg ≈ 2 m² Consumption (set)	 Pot life 60–90 min max. 450 rpm	 +15 to +25 °C Application	 approx. 6 mm Layer thickness
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*Guide value at 20–25 °C / 40–60 % relative humidity — all drying times on page 2.

CAIRCON Stone carpet set is a versatile, seamless floor system made of colourless epoxy resin and bonded stone granulates — ideal for living spaces, showrooms and office areas, both interior and exterior, also over underfloor heating. This set is suitable exclusively for horizontal surfaces; for vertical surfaces use the **Stone carpet set VERTICAL**.

IMPORTANT — MIX CORRECTLY: FIRST mix only the two resin components (base + hardener) for approx. 2–3 min at max. 450 rpm and only then add the stones — otherwise the binder will not be mixed through evenly. Do not apply at temperatures above +25 °C; failure to observe this risks a chemical over-reaction (the product becomes hot and hard).

1 · PREPARE THE SUBSTRATE

1	Clean & roughen Clean all floors thoroughly with the Special cleaner (cement laitance, sintered layers, form oil, surfactants, lime); for greasy soiling use the Special degreaser . Then micro-roughen with the Etching solution .
2	Prime Prepare the floor for the coating with the Stone carpet primer ; the quantity depends on the absorbency. Use exclusively the appropriate CAIRCON primer. If required, scatter fine quartz sand into the wet primer.

A substrate that is too absorbent can absorb the resin, so that the stones come loose — therefore no third-party primers. For third-party products: check compatibility beforehand on a test area.

2 · MIX BINDER & STONES

3	Mix resin, then stones Mix the two resin components in exact doses for approx. 2–3 min at max. 450 rpm, only then add the exactly correct quantity of stones and blend thoroughly. Store the material dry beforehand for approx. 24 h at ≥15 °C; do not process damp stones (rain, condensation).
4	Pot life The pot life is 60–90 minutes — mix only as much as can be processed promptly; dispose of the remainder properly. Curing accelerates as the temperature rises.

3 · APPLY & SEAL

5	Apply (approx. 6 mm) Application thickness approx. 6 mm; thicker layers prolong curing. Check the evenness regularly with a fluorescent lamp and spirit level and distribute evenly with a spacer squeegee. The first time, mark out the first square metre with chalk.
6	Patterns & stairs Create patterns with aluminium pattern profiles. On stairs, use aluminium edge and corner profiles to prevent slipping and to protect the edges.
7	Fill pores & seal After complete drying, perfect the pore closure with the 2K Stone carpet pore filler (essential in wet areas/showers) and, as the final step, seal with the transparent 2K Stone carpet sealer . For vertical surfaces use Stone carpet binder VERTICAL and Stone carpet sealer VERTICAL .
8	Care Use only solvent-free cleaners (otherwise they dissolve the binder). The floor must not be cleaned during the first 7 days after laying.

WEAR PPE: The base component of the binder is corrosive (H314). Wear protective gloves, protective clothing and eye/face protection and avoid skin, eye and clothing contact.

TROCKENZEITEN

1–2 h DUST-DRY	24 h WALKABLE	7–9 days FULLY CURED
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Drying time is not the same as curing time: walkable/loadable after approx. 24 h, fully cured only after approx. 7 days. First cleaning only after complete curing (7 days at the earliest).

Natural stones appear different in colour when dry; only with the binder do they develop their final colour intensity — this is not a defect (dampen the stones beforehand for a colour test).

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

PRODUCT DATA (GUIDE VALUES)	
Base	colourless 2K epoxy resin binder (resin + hardener) + marble gravel
Consumption	25 kg marble gravel + 1.5 kg binder ≈ 2 m² floor coating
Layer thickness	approx. 6 mm
Pot life	60–90 minutes · mix at max. 450 rpm
Suitable for	screed, concrete, tiles, mastic asphalt etc. · horizontal surfaces only
Application	+15 to +25 °C, rel. humidity max. 70 % — not below +15 °C even during curing (approx. 8 days)
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	Special cleaner · Etching solution · Special degreaser
Substrate	Stone carpet primer
Sealing	2K Stone carpet pore filler · 2K Stone carpet sealer
Similar products	Stone carpet set VERTICAL · Stone carpet binder VERTICAL · Stone carpet sealer VERTICAL

SAFETY & DISPOSAL	
Component A (base)	Hazard pictogram GHS05 · signal word: Danger
A · H314 / H317 / H411	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
A · P262 / P280	Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection.
A · P303+P361+P353 / P305+P351+P338 / P333+P317	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.
A · P402+P404 / P410+P412	Store in a dry place. Store in a closed container. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
Component B (hardener)	Hazard pictogram GHS07 · signal word: Warning
B · H315 / H317 / H319 / H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
B · EUH205	Contains epoxy constituents. May produce an allergic reaction.
B · P102 / P262 / P273 / P280	Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
B · Reaction & disposal	P303+P361+P353, P305+P351+P338, P333+P313, P337+P313, P391 (collect spillage), P501 (recycling/disposal).
Environment & disposal	Cured epoxy resin products are to be disposed of as commercial waste similar to household waste; give completely emptied containers for recycling. For liquid binder residues (environmentally hazardous, H411) no EWC waste code is given in the original.
Binding source	Label and safety data sheet CAIRCON Stone carpet set.