Kret Microcement

MICROCEMENT

One seamless surface, from wall to floor and inside the shower.

Microcement is trowelled in thin layers straight over the existing tile or screed. It runs from the wall onto the floor and into the shower without a single joint.



MICROCEMENT · KRET, BANGKOK

COVERAGE	DRY TO TOUCH	PACKAGING
1.5–2.0 kg/m² for the full system	1–2 hours per coat	Base 20 kg + resin 5 L

AREAS OF USE

- Floors
- Bathrooms
- Showers
- Stairs
- Counters
- Walls

FEATURES

- Seamless walls, floors and wet rooms
- Goes over existing tile or screed
- 2–3 mm, no demolition
- Matt or satin seal
- Hard-wearing and easy to clean
- 25 colours, each photographed on walls and floors

TECHNICAL DATA

PRODUCT TYPE	Polymer-modified cementitious microcement system
COMPOSITION	Portland cement, graded quartz and calcium carbonate, redispersible polymer, mineral pigments
COLOUR	25 Kret colours, photographed
FINISH	Matt or satin seal
BUILD	2–3 mm
SUBSTRATES	Existing tile, screed or board, primed
AREAS OF USE	Floors, bathrooms, showers, stairs, counters, walls

PROTECTION	Polyurethane sealer
COVERAGE	1.5–2.0 kg/m² for the full system
COATS	Base coat ×2, finish coat ×2, sealer ×2
DENSITY	1.45 kg/L (powder) · 1.9 kg/L (mixed)
PH	11–12
VOC CONTENT	< 30 g/L (sealer)
REACTION TO FIRE	Bfl-s1 floors · B-s1, d0 walls (EN 13501-1)
SLIP RATING	R10 (DIN 51130) matt · R11 with anti-slip additive

APPLICATION CONDITIONS AND DRYING

MIXING	Mix only with the matching Kret resin. Never add water.
WORKING TIME	45–60 minutes at 25 °C
APPLICATION TEMPERATURE	+10 °C to +30 °C
RELATIVE HUMIDITY	Below 80%
DRY TO TOUCH	1–2 hours per coat
RECOAT	2–4 hours between coats
FULL CURE	Light foot traffic 24 h · full use 7 days

Times given at 25 °C and 60% relative humidity. Lower temperatures and higher humidity lengthen them.

SURFACE PREPARATION

01 Substrate must be sound, dry (below 4% moisture), flat and free of dust, wax and grease.

02 Existing tile: degrease, abrade and fill joints. Screed: at least 28 days old.

03 Apply Kret Micro Primer and embed fibreglass mesh into the first base coat on floors and wet rooms.

04 Showers and wet rooms: install a tanking membrane under the system first.

APPLICATION

01 Mix powder and resin with a slow paddle for 3 minutes, rest 2 minutes, mix again.

02 Base coats: apply two thin coats with a steel trowel. Sand lightly between coats.

03 Finish coats: apply two thin coats for the final texture. Sand with 220 grit when dry.

04 Sealer: apply two coats of Kret PU Sealer, matt or satin, by short-pile roller.

AFTERCARE

- Keep water away for 72 hours. No heavy loads or rugs for 7 days.

CLEANING AND MAINTENANCE

- Tools in water before the mix sets.
- Clean with pH-neutral soap. Avoid bleach and acids. Re-seal high-traffic floors every 3–5 years.

PACKAGING AND STORAGE

PACKAGING	Base 20 kg + resin 5 L · Finish 15 kg + resin 4 L · Sealer 5 L kit
SHELF LIFE	12 months, dry and unopened
STORAGE	Store sealed, upright, between +5 °C and +35 °C, out of direct sun. Do not freeze.

HEALTH AND SAFETY

- Contains lime or cement: alkaline. Causes serious eye damage and skin irritation.
- Wear gloves, eye protection and long sleeves. Wear a dust mask when mixing powders or sanding.
- Eyes: rinse at once with plenty of clean water for at least 15 minutes and seek medical advice.
- Keep out of reach of children. Do not empty into drains. See the safety data sheet.

Important. The values on this sheet are typical results from testing at 23 °C and 50% relative humidity. Site conditions, substrates and application affect the result, so final values are confirmed per project on the approved sample. Always trowel a sample panel on site before work begins. This issue supersedes all previous issues. **Kret Co., Ltd.** · Bangkok, Thailand · hello@kret.co.th