concrada®

MICROCEMENT 2K

USER GUIDE + TECHNICAL DATA SHEET

English version

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PRODUCT DESCRIPTION:
Concrada Microcement 2K is a two-component floor finish based on mineral fillers and a water-based epoxy binder.

Concrada Microcement 2K is a versatile finishing system, suitable for a wide range of applications in both residential and commercial projects. Thanks to its seamless character and natural concrete look, it creates a sleek and calm overall finish.

APPLICATION POSSIBILITIES:
Concrada Microcement 2K can be used for:
Living and residential spaces:
- Floors
- Walls
- Stairs

Design and custom work
- Furniture
- Fireplaces (not in the direct heat zone)
- Counters

Bathrooms
- Floors
- Walls
- Washbasins

Kitchens:
- Floors
- Backsplashes
- Worktops / kitchen islands

Available in 16 standard colours and in RAL or NCS colours on request.

PROPERTIES:
- Very hard and dimensionally stable layer
- Seamless
- Robust, lively and unique appearance
- High-end
- High UV stability
- Good chemical and mechanical resistance

Concrada Microcement 2K is available in a coarse (Concrada Microcement 2K L) and a fine (Concrada Microcement 2K M) layer.

MIXING:
First stir component A thoroughly. Then add component B completely to the packaging of component A and mix mechanically for approx. 3 minutes until a homogeneous mixture is obtained.

Mixing ratio: A : B = 90 : 10 by weight.

After mixing, the mixture can, depending on the desired application, be diluted with water:
- Concrada Microcement 2K L: max. 5%
- Concrada Microcement 2K M: max. 5%.

Mixing tools: use an electric mixer at low speed (300–400 rpm). Try to avoid air entrapment as much as possible.

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METHOD OF APPLICATION:

PREPARATION WET AREA BATHROOM:
- Completely roll the floor with Ardex EP2000
- Broadcast generously with quartz sand
- Allow to dry for 24 hours

Remove the loose sand

PREPARATION (day 1)
The substrate must be level, stable, clean, dry and dust-free to ensure good adhesion. Remove loose parts and check whether the substrate has sufficient load-bearing capacity.

Existing synthetic floors must always be thoroughly sanded. Concrada Microcement 2K must not be applied directly onto an existing PU cast floor; this must be completely removed. Once the floor is level and dust-free, it should be levelled if necessary with a gypsum-based or hybrid levelling compound.

Then apply MCG Primer evenly to reduce substrate absorption. Drying time is approximately 4 hours.

After drying, apply SA Epoxy Primer 1130 and immediately broadcast with SA Silver Sand at approx. 25-40%. Allow the primer to dry for 16 to 24 hours and remove excess sand before applying Concrada Microcement 2K L.

APPLICATION CONCRADA MICROCEMENT 2K L (day 1)
Stir Concrada Microcement 2K L thoroughly and carefully mix component B with component A according to the prescribed mixing ratio. Dilute the material with approx. 5% water.

Apply the first microcement layer evenly with a stainless steel trowel, putty knife or flexible trowel. This coarser layer forms the base of the system.

Consumption: approx. 650 g/m^2

Allow this layer to dry for at least 16 hours before applying Concrada Microcement 2K M.

Note: drying time, hardness, application and layer thickness may vary depending on room and surface temperature, humidity, application method and layer thickness.

APPLICATION CONCRADA MICROCEMENT 2K M (day 2)
When the coarse layer (Concrada Microcement 2K L) is dry (after 16 hours drying at 20°C), the fine layer (Concrada Microcement 2K M) can be started. It is recommended to sand the coarse layer (Concrada Microcement 2K L) and make it dust-free. The coarse layer (Concrada Microcement 2K L) can be sanded with grit P40-P60 and made dust-free with an industrial vacuum cleaner before the next layer can be applied. The fine layer (Concrada Microcement 2K M) can now be applied. Allow this layer to dry for at least 16 hours and sand according to the same procedure as the coarse layer (Concrada Microcement 2K L). Use sandpaper with grit size P60–P80

APPLICATION SA SEALING GEL AND SA MASTER PROTECT (day 3)
After drying, sanding and making the fine layer (Concrada Microcement 2K M) dust-free, it must be further finished with a durable transparent topcoat to seal all pores. This can be done using the SA Sealing Gel. Consult the TDS of SA Sealing Gel for more information. Apply the SA Sealing Gel using a flexible plastic trowel. The drying time is approximately 4 hours. Subsequently, this layer can be coated with SA Master Protect. Consult the TDS of SA Master Protect for more information. Apply SA Master Protect using a microfibre roller or flexible plastic trowel. The floor reaches full durability after 7 days.

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TECHNICAL DATA:

Density	1.7 kg/litre
Dilution	Concrada Microcement 2K L max. 5% with tap water Concrada Microcement 2K M max. 5% with tap water
Recommended layer thickness	0.4 mm Concrada Microcement 2K L / 0.25 mm Concrada Microcement 2K M
Pot life	approx. 40 minutes
Dust dry	after 6 hours
Lightly walkable/sandable	after 16 hours
Overcoatable	after 16 hours; apply the next layer within 24 hours
Fully loadable	after 7 days / 10 days at 15°C
Minimum application temperature	+18°C
Maximum application temperature	+25°C

CONSUMPTION:
Concrada Microcement 2K L layer thickness 650 g/m² per layer (≈ 0.4 mm)
Concrada Microcement 2K M layer thickness 450 g/m² per layer (≈ 0.25 mm)

MAINTENANCE:
We recommend using a pH-neutral cleaning agent. When Concrada Microcement 2K is applied to your floor, we advise equipping your furniture with special protection such as supplied by Scratch No More (www.scratchnomore.nl).

APPLICATION CONDITIONS CONCRADA MICROCEMENT 2K:
- Material and ambient temperature: +18°C – +25°C
- Substrate temperature: ≥ +12°C
- Relative humidity: ≤ 80%
- Residual moisture content subfloor:
  - cement screed: max. 4%
  - anhydrite: max. 0.5%
- Substrate: clean, dry, dust-free, free of laitance
- Concrete, sand cement and mineral substrates: mechanically clean (blasting/sanding)
- (Existing) synthetic floors: thoroughly sand
- PU cast floors: completely remove
- Preparation layer (required): levelling compound
- Ventilation: sufficient, draught-free, no direct sunlight
- Do not cover the floor during drying
- Avoid forced drying (heater/blower)
- Components: acclimatise for at least 24 hours in the application area

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SET SIZE:
Concrada Microcement 2K - (M and L having the same set size)

5 kg set:	4.5 kg A-comp. + 0.5 kg B-comp. + water* (*max. 200 g)
10 kg set:	9 kg A-comp. + 1 kg B-comp. + water* (*max. 300 g)
20 kg set:	18 kg A-comp. + 2 kg B-comp. + water* (*max. 600 g)

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[1] The last two digits of the year in which the qualification was granted.
[2] NPD = No Performance Determined.
[3] WP = Water Proof (the material is waterproof and does not absorb water)

Stone Age B.V.
Butaanstraat 10
7463 PG RIJSSEN - Netherlands

13[1]
EN 13813 SR-B1.5
Primers/Sealers

Fire resistance:	A1
Release of corrosive substances:	SR
Water permeability:	WP
Wear resistance:	NPD
Adhesion strength:	NPD
Impact resistance:	NPD
Sound insulation:	NPD
Sound absorption:	NPD
Heat resistance:	NPD
Chemical resistance:	NPD

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Surfaces that feel as good as they look.