

DESCRIPTION

KONCRET BASE is a special cement coating, with synthetics resins, special sand and selected minerals with great hardness that is applied manually with a steel trowel on interior or exterior floors to optimally prepare the surface for the application of any CIMENTART microcement fine coats.

It is applied over CIMENTART fiberglass mesh during base-coat 1 and the union of two materials prevents the cracking of the surface and increases its durability.

Apply it in layers no thicker than 1 mm. It's used for preparing any floor substrate, even over floor tiles (not for showers) before CIMENTART fine coats indoors (all Cimentart fine coats) or outdoors (Aqua Quartz or Aqua Microconcrete).

PRODUCT ADVANTAGES

- Smoothes rough surfaces in 1 mm layers
- Seamless, joint-free finish for a clean look.
- Excellent adhesion on any horizontal substrate
- Comparable hardness to any microcement on the market
- Highly resistant to wear and scratches.
- Cimentart Mixing resin can be tinted with any water-based, universal pigment or tinting machine.

SUBSTRATES

The substrates where KONCRET BASE is applied should be clean and stable, free of dust, grease and any material that hinders its adherence.

For a correct application of KONCRET BASE, it is necessary to have a completely rigid substrate without movement. Never apply on an unstable surface such as broken tiles or bad paint or any surfaces actively cracking, chipping or peeling.

Clean any defective area and wait for it to dry completely before starting the application of Koncret Base.

Koncret Base can be applied on indoor and outdoor floors, on a wide variety of substrates such as:

- Painted surfaces
- Cement and plaster
- Wood, drywall, and cement boards
- Ceramic and porcelain tile
- Marble and granite

- Foam boards, (walls/ ceilings only, as over floors could cause internal dents unless properly reinforced)

APPLICATION PROCESS

- Pre-seal with any recommended, water-based, penetrating sealer those substrates that may allow moisture and salt to come from under/behind (e.g. retaining walls and cement floors near water or drainage).
- Mix 5 parts of Koncret Base Microcement into 1 part of CIMENTART Mixing Resin while using an electric mixer to mix the contents of the recipient until fully mixed.
- Pot-time: You have approximately 20 minutes to apply the mixture.
- In very dry substrates, the surface targeted to apply Koncret Base Microcement can be lightly moistened with water with a diffuser spray without puddles forming. This process can also be done between layers.
- On substrates that have grout lines or joints of more than 2 mm deep, use CIMENTART PRIMER PLUS and then fill the deep joints/grout-lines with an initial narrow coat of Koncret Base.
- The application is done manually, applying the product in thin layers of 1mm, using a steel trowel. Never apply layers thicker than 1 mm.
- For Base-coat 1, completely cover fiberglass mesh with the Koncret Base only to a level that still shows the mesh
- Make sure to give it enough time to dry completely to the touch—about 4 to 6 hours—before applying the second layer of Koncret Base.
- It may be necessary to apply up to 3 layers of Koncret Base Microcement depending on the initial condition of the surface, to get it to the desired smoothness.
- If you're applying it over a tiled floor, make sure to add enough layers to fully cover the tiles and all the grout lines.
- To save on sanding time and smooth out the base coat even better, as the last coat is applied, spray lightly with water and smooth the applied coat with an empty trowel to achieve a completely smooth finish. Do not over-use the water.
- Once dry, sand the final layer of Koncret base applied with 40 or 60 grit sandpaper. After each sanding process, thoroughly vacuum the

dust and/or remove it with a slightly moistened cloth.

- You can then continue with the application of the rest of the process, with any CIMENTART fine coat finished with 1 layer of sealer and two of polyurethane varnish for easy cleaning.

LIMITATIONS

- Respect the instructions and mixing proportions. Do not mix with water, add cement, sand or any other substance that may alter the characteristics of the material
- Once the mixture begins to harden, never add water or resin to soften it.
- Do not apply in layers greater than 1 mm (an American dime is 1.3 mm thick)
- Respect the recommended drying times
- Good ventilation is necessary in the rooms where it is applied
- Do not apply at temperatures below 41°F(5°C) or above 95°F(35°C)
- If applying outdoors, do not apply with risk of frost or rainy weather and tent the area during application if in full sun on hot days
- Never apply the product on substrates that are overly wet or have capillary moisture from below. If you have risk of moisture and salts coming up from below, apply a penetrating sealer before applying our Cimentart decorative coatings, both bases and fine coats.
- NOT for applications with fully submersed water areas or areas with standing water
- On underfloor heating, you must turn it off 24 hours before application and not turn it on until 48 hours after application. In underfloor heating, never fill the perimeter joints and make expansion joints under the doors and on surfaces greater than 200 square feet.
- Commercial applications should follow the IBC (International Building Codes) when product is specified
- Never leave the final layer partially done. Once begun, continue until its completion without stoppages to avoid visible seams. If the surface is very large, the application must be made by several people at the same time
- Use the appropriate Personal Protective Equipment (PPE) to protect the eyes, face, and skin. In case of contact with the eyes, rinse thoroughly with water and consult your doctor

- Once the application is finished, let it dry completely and wait 7 days before moistening or cleaning with water
- Furniture legs placed on product should always have felt pad coverings, no exceptions
- Furniture legs with rigid/hard plastic leg protectors should always be REMOVED or replaced with felt-type pads.
- Completely avoid dragging furniture, appliances or other objects or tools on a microcement floor
- Do not place within reach of children

DRY TIME

Drying time depends on the temperature, ventilation and humidity present in the room, approximately 4 to 6 hours.

CLEANUP

Any tools using the Cimentart system can be cleaned with water and dish soap prior to the product on them hardening.

PACKAGING AND COVERAGE

Koncret Base is available in:

- 55lb (25KG) buckets cover approximately 100 sq. ft.
- Pallets of 36 buckets

**Coverage is based on 2-coat applications. Efficiency of approximately 2.75 lb/ft² (1.25 kg / m²) per layer of 1 mm thickness decreases on rough or porous surfaces.*

TRANSPORTATION

Product merchandise is not considered dangerous or hazardous for transport. Koncret base is free of solvents, alcohols or flammable products.

STORAGE AND SHELF LIFE

Store containers in a dry place.

Keep material in original containers, ensure container seals well if it has been opened.

Shelf life is 12 months.

Cautions

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TECHNICAL DATA MATRIX

Presentation	white powder
Granulometry	0.7 mm
Weatherometer	2000 hrs. – Passed (ASTM G23)
Mixed Product Density	2.0 ± .2 g/cm3
Bond Strength	225 psi (ASTM-C297)
Compressive Strength	2595 psi @ 45 Days air cured - (ASTM C109)
Flexibility Strength	Modulus of Rupture - 770psi (ASTM-D790)
Drying time	4 – 6 hours at 68 °F (20°C) / 60% Relative Humidity
Mixing ratio	5 parts powder / 1 part mixing resin
Mixed product time to use ("pot life")	Approx. 20 min. according to environmental conditions
Efficiency	Approx. .2 lb/ft2 (1 kg m2) / 1 mm density per layer
Application Temperature	+ 41°F (5 °C) / + 95°F (35°C)
Impact Resistance	MIL-D-3134F Passed
50-Cycle Freeze thaw	Passed (ASTM-C67)
Fire Resistance	Class A (ASTM-E84), Euroclass 1
Packaging Format	55lb (25 kg) Buckets
Shipping	Not dangerous for transportation
Storing	12 months, in a dry place in its original sealed container

CIMENTART MICROCEMENT SL. Our systems are based in the research done at our laboratories and the many years of practical experience we have

We decline any responsibility if the end result is affected by external factors not under our control.

The customer must check that the product supplied is adequate to the needs that is going to be used for, doing a test in any case that may be necessary.

Date of Review: 08-01-24. The present document cancels the earlier editions.

