



UNE - EN 13813

CEMHER®
- O R I G I N -

microlevel.

FINE

ONE-COMPONENT MICROCEMENT

DESCRIPTION

One-component coating with a tendency to level. It is formulated with high performance cements, fine-grained aggregates (<100µm), additives, catalysts, inorganic colorants and synthetic resins. Once mixed, it creates a coating between 0,3 and 1,5 mm thick, continuous, with high mechanical resistance, without shrinkage and strong adherence on any type of support: concrete, mortars, cementitious.

It has the consistency of a white powder that when mixed with water is obtained a ductile product, ready to apply with a trowel; although it is not self-leveling it can be easily extended thanks to its leveling properties.

It is classified according to UNE-EN 13813 as CT-C40-F9.

PROPERTIES

- Continuous decorative pavement of multiple chromatic options.
- Applicable in thicknesses of 0,3 and 1,5 mm.
- Tendency to level.
- High hardness and tenacity.
- Excellent adherence on multiple mineral substrates.
- Fast start-up.
- Can be protected with varnishes.
- No cracking.
- Shrinkage-compensating.

SUBSTRATE

Cement screeds. Concrete slabs with a resistance >15 MPa.

Non-porous substrates, troweled concrete, ceramics (prior treatment recommended).

AMOUNT OF LAYERS

FINISHING

Positive pressure — 2 layers: consumption (2 x 0.5 kg/m². mm)

Negative pressure — 3 layers: consumption (3 x 0.5 kg/m². mm)

BASE

1 layer of Microdur or Microlevel Base — consumption 1 kg/m². mm

APPLICATION

Mix 10 kg of Microlevel Fine with 3,5-4 L of water. Previously add the pigment concentrate to the water. Mixing should be done with an electric mixer for at least 2 minutes,

until a homogeneous mixture without lumps is obtained.

The mixture can be used for 30-60 min at

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temperatures between +18° and +25 C°. Lower temperatures lengthen these times and higher temperatures reduce them.

After mixing, the mixture is poured in small quantities directly onto the substrate and then spread with a leveling trowel in a thin layer.

SEALING

After 24h, and prior to sealing, proceed to a surface sanding to remove impurities and smooth the surface.

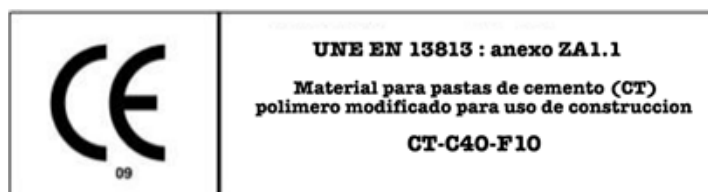
It can also be applied standing up using a squeegee trowel. Subsequently, a flexible trowel can be used to smooth and design the surface.

When several coats are applied, the next coat should be applied after 60 minutes and a maximum of 24 hours.

Then apply two coats of solvent-based polyurethane varnish "Maxipur" or water-based "Aquamax".

TECHNICAL CHARACTERISTICS

Mixing ratio:	3,5-4 L water: 10 kg powder
Apparent density:	aprox. 1,2 kg/L
Wet density:	aprox. 1,7 kg/L
Consumption:	aprox. 0,5 kg/m ²
Minimum application temperature:	+ 10 °C
Workability (at 20°C):	aprox. 30-60 minutes
Compressive strength:	1 day approx. 23 N/mm ² 7 days approx. 32 N/mm ² 28 days approx. 39 N/mm ²
Flexural strength:	1 day approx. 3,0 N/mm ² 7 days approx. 5,0 N/mm ² 28 days approx. 9,0 N/mm ²
Glanulometry:	Máx. 100 µm
Furniture with wheels:	Yes
Suitable for water underfloor heating systems/ electric radiant floor heating systems	Yes / No
Ph range:	After 1 day: 12 pH
Packaging:	10 kg net buckets
Storage:	Approx. 1 year in dry places and in its original closed container.



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