



UNE - EN 13813

CEMHER®
- O R I G I N -

microdur.

MEDIUM

ONE-COMPONENT MICROCEMENT

DESCRIPTION

One-component coating consisting of high-performance cements, fine aggregates (< 150 µm), additives, catalysts, non-organic colorants and synthetic resins.

After mixing it forms a coating with a thickness of 1 to 1,5 mm, continuous, with high mechanical strength, no shrinkage, and strong adhesion to any type of base: concrete,

mortars, cementitious materials.

It has the consistency of a white powder that, mixed with water, results in a viscous product ready to be applied with a trowel. It has a high stucco effect.

It is classified as CT-C40-F10 according to UNE-EN 13813.

PROPERTIES

- Continuous decorative pavement of multiple chromatic options.
- Applicable in thicknesses of 1 to 1,5 mm.
- 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

BASE

Positive pressure — 2 layers: consumption (2 x 1 kg/m². mm)

Negative pressure — 3 layers: consumption (3 x 1 kg/m². mm)

FINISHING

Microdur Medium — 2 layers: consumption (2 x 0,6 kg/m². mm)

APPLICATION

Mix 20 kg of Microdur Medium C10 with 6,5 L of water. We recommend using warm or hot water. Previously add the pigment concentrate to the water. The mixture should be blend with a mixer for at least 2 minutes, until a homogeneous mixture without lumps is obtained.

If you want to improve the fluidity to make easier the application, you can add a little more water, up to 7 L, avoiding an excess that may impair the properties of the product.

The mixture can be used for 60 - 90 min

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

After mixing, the mixture should be poured in small quantities directly onto the substrate and then spread

with a levelling trowel in a thin layer. Subsequently, a 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.

SEALING

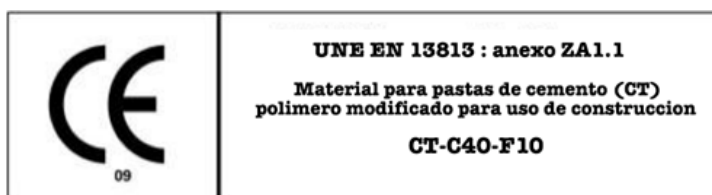
After 24h, and prior to sealing, proceed to a surface sanding to remove impurities and smooth the surface.

Then apply two coats of pore-sealer Hydro-primer CI with a drying time of 4 hours after each coat.

After that apply 2 coats of solvent-based polyurethane varnish "Maxipur" or water-based varnish "Aquamax" with a drying time of 8 h between coats. It is very important to respect the drying times of the sealers.

TECHNICAL CHARACTERISTICS

Mixing ratio:	6,5 L – 7 L water: 20 kg powder
Aparent density:	approx. 1,2 kg/L
Wet density:	approx. 1,9 kg/L
Consumption:	approx. 0,6 kg of powder/m ² -mm
Minimum application temperature:	+ 10 °C
Workability (at 20°C):	approx. 60 - 90 minutes
Compressive strength:	1 day approx. 16 N/mm ² 7 days approx. 25 N/mm ² 28 days approx. 40 N/mm ²
Flexural strength:	1 day approx. 4,0 N/mm ² 7 days approx. 6,0 N/mm ² 28 days approx. 11,0 N/mm ²
Glanulometry:	Max. 0,150 mm
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:	20 kg net buckets
Storage:	Approx. 1 year in dry places and in its original closed container



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