



UNE - EN 13813

CEMHER®
- O R I G I N -

microdur.

BASE

ONE-COMPONENT MICROCEMENT

CEMHER

DESCRIPTION

One-component coating consisting of high-performance cements, fine aggregates (<0,8mm), additives, catalysts, non-organic colorants and synthetic resins.

After mixing it forms a coating with a thickness of 1,3 to 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 is classified as CT-C30-F9 according to UNE-EN 13813.

PROPERTIES

- Continuous decorative pavement of multiple chromatic options.
- Applicable in thicknesses of 1,3 to 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)

APPLICATION

Mix 20 kg of Microdur Base C41 with 5L 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 5,5 L, avoiding an excess that may impair the properties of the product.

The mixture can be used for 60 - 90 min at temperatures between +18° and +25 C°.



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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. It can also be applied stan-

ding in a thin layer using a squeegee trowel with a telescopic handle. 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

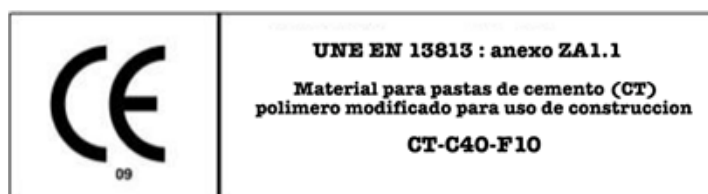
After 24h, and prior to sealing, proceed to a surface sanding to remove impurities and smooth the surface.

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:	5 - 5,5 L water: 20 kg powder
Aparent density:	approx. 1,3 kg/L
Wet density:	approx. 2,0 kg/L
Consumption:	approx. 1 kg of powder/m ² -mm
Minimum application temperature:	+ 10 °C
Workability (at 20°C):	approx. 60 - 90 minutes
Compressive strength:	1 day approx. 19 N/mm ² 7 days approx. 28 N/mm ² 28 days approx. 44 N/mm ²
Flexural strength:	1 day approx. 5,0 N/mm ² 7 days approx. 7,0 N/mm ² 28 days approx. 12,0 N/mm ²
Glanulometry:	Max. 0,8 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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