

MicroDur Base Monocomponent Mortar

PRODUCT DESCRIPTION

MicroDur Base is a Monocomponent cement coating formulated with high performance fine aggregate of granulometry < 0.8mm, additives, catalysts, colorants inorganic and synthetic resins.

Once applied it creates a continuous coating between 1 and 4 mm thick, high mechanical resistance, without retractions and strong adhesions on any type of support including concrete, mortar, cement.

It has the consistency of a white powder that when mixed with water gives a product ductile, ready to apply with levelling trowel.

It is not self-levelling but can be easily expanded.

MicroDur Base is classified according to the standard UNE-EN 13813 as CT-C40-F10.

PROPERTIES

- Continuous decorative flooring with multiple chromatic options
- Applied in thicknesses of 1 and 4mm
- High toughness
- Excellent adhesion on multiple substrates
- Quick commissioning
- Can be protected with varnishes and paints
- Does not crack
- Retraction compensated

SUBSTRATE

- Porous surfaces include: Sand & Cement Screeds, Anhydrite screeds, Self-Levelling screeds, Timber Composites, Plaster, Plaster Boards, Painted Walls
- Non-porous substrates include: Tiles, Marble, Metal, Terrazzo, Sealed Surface
- Substrates must be primed appropriately prior to application

NUMBER OF COATS

BASE

Positive pressure - 2 coats: consumption (2 x 1,5 kg / m².mm)

Negative pressure - 3 coats: consumption (3 x 1,5 kg / m².mm)

FINISH

1 or 2 Coat of MicroDur Fine/Medium or MicroDuo Fine/Medium: consumption (1 x 0.5 kg / m².mm)

SURFACE PREPERATION

Observe if the stability of substrates is adequate. Surfaces that are liable to flex or crack, such as cold joints or timber floor boards, require appropriate preparation to ensure no further movement.

Moisture content of cementous substrates must be below 5%.

Ensure underfloor heating has been through a full cycle before applying microcement.

It is necessary to respect the expansion joints and structural joints.

The support must be clean, free of grease or oils and the substrate in good conditions of levelling and resistance. Take particular attention to those apparently clean substrates but which contains waxes, silicones or salts.

On plasterboard and plasters, and other absorbent surfaces, the use of Primer 100 is recommended to guarantee the adhesion.

On cement mortars the use of Primer 100 allows a more fluid application of the product by avoiding the accelerated dehydration of the microcement by the absorption generated from the support.

On non-absorbent surfaces, Primer TAC is required. See datasheet for guidance.

APPLICATION

20 kg of the MicroDur is mixed with 5 kg of Water (25%), to which the desired colour concentrate has previously been added and dispersed. Mechanically mix for at least 2 minutes, until a homogeneous mixture is obtained without lumps.

If you want to improve the fluidity in order to ease application, you can add a little more water (maximum 30%). Adding more than 30% water can damage the properties of the product.

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

In low temperatures the working time is longer and in higher temperatures the working time is reduced.

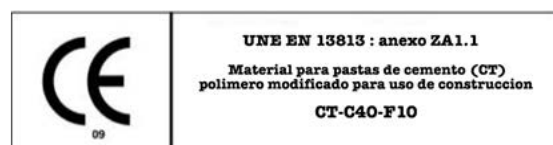
After mixing, the product can be applied in small quantities directly onto the substrate and spread with a thin layer levelling trowel.

It can also be applied on a thin layer using a rubber bladed squeegee. Followed by a planning trowel to achieve the desired texture. Subsequent layers can be applied after 60 minutes and up to a maximum of 24 hours. Sand between layers.

SEALER

After 24 hours, and prior to sealing, sand the surface to remove impurities and smooth the surface.

Then apply two coats of Hydroprimer followed by 2 coats of Aquamax polyurethane sealer as recommended.



CEMHER

- ORIGIN -

SPECIAL PRECAUTIONS

This product contains cement. Avoid contact with eyes and skin, as well as inhaling dust.

Low temperatures lengthen and high temperatures dramatically reduce workability and drying time.

Use rubber gloves and goggles. Keep out of the reach of children.

Do not apply the product at ambient temperature below 5 °C or above 30 °C.

TECHNICAL CHARACTERISTICS

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|-------------------------------------|---|
| Mixing ratio | 5l Water (25%) – 6l water (30%) : 20kg powder |
| Apparent density | approx. 1.2kg/l |
| Wet density | approx 2kg/l |
| Consumption | approx 1.5kg/m ² |
| Minimum temperature for application | +10°C |
| Working Time (at 20°C) | Approx. 60-90 minutes |
| Resistance to compression | 1 day: approx. 19N/mm ² 7 day: approx. 28N/mm ² 28 day: approx. 44N/mm ² |
| Resistance to flexo traction | 1 day: approx. 4N/mm ² 7 day: approx. 6N/mm ² 28 day: approx. 11N/mm ² |
| Granulometry | Max 0.8mm |
| Suitable for furniture with wheels | Yes |
| Suitable for underfloor heating | Yes |
| pH Range | 1 day: 12pH |
| Packing | 25kg net |
| Storage | Approx. 6 months in dry place, before opening. |