H2O Thick Base

Product Description

Microcement H2O Thick Base is a monocomponent cement coating formulated with high performance fine aggregate of granulometry (<150µm), additives, catalysts, colorants inorganic and synthetic resins.

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

It has the consistency of a white powder that when mixed with water gives a product ductile, ready to apply with leveling trowel.; Although it is not self-leveling, it can be easily expanded.

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

Properties

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

Substrate

• Cement screed. Concrete slabs with a strength> 15MPa.
• Non-porous supports, ceramic (previous treatment recommended)

Number of Coats

Positive Pressure - 2 coats: consumption (2 x 1.5kg/m2.mm)
Negative Pressure - 3 coats: consumption (3 x 1.5kg/m2.mm)

For use as a base:
1 or 2 Coat of H2O Thick Base - consumption (1 x 0.5lg/m2.mm)

Application

20 kg of the Microcement Pro H2O Thick Base is mixed with 6 kg of Water (30%), to which the desired concentrate con has previously been added and dispersed. The mixture must be made by means of a mixer for at least 2 minutes, until a homogeneous mixture is obtained without lumps.

If you want to improve the fluidity in order to easily application, you can add a little more water, until kg (35%), avoiding an excess that can damage the properties of the product.

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The mixture can be used for 60-90 min at a temperature between +18 °C and + 25 °C. The lower temperature these times elongate and the higher temperatures reduce it. After kneading, mix the mixture in small quantities directly onto the substrate to subsequently add the product with a thin layer leveling trowel.

It can also be applied on a thin layer using a rubber lip. Subsequently, a planing trowel can be used to alisary the surface design. If you work with several layers, the next will apply after 60 minutes and a maximum of 24 hr.

Sealer

After 24hr, and prior to sealing, surface sanding will be performed to remove impurities and smooth the surface.

Then apply two coats of satin aliphatic polyurethane Solvent-based Top Coat or Water-based Top Coat

Characteristics

Mixing ratio	5 L water: 20 kg powder
Apparent Density	approx. 1.2 kg/L
Wet Density	approx. 2 kg/L
Consumption	approx. 1.5 kg/m².mm
Lower application temperature	+ 10 °C
Pot-life (a20 °C)	approx. 60-90 minutes
Resistance to compression	1 day approx. 19 N/mm² 7 day approx. 28 N/mm² 28 day approx. 44 N/mm²
Resistance to flexo traction	1 day approx. 4 N/mm² 7 day approx. 6 N/mm² 28 day approx. 11 N/mm²
Granulometry	Max 1 mm
Suitable for wheels furniture	Yes
Suitable heating underfloor hot water/ electric	Yes / No
pH Range	1 day: 12 pH

Packaging

20 kg net

Storage Conditions

H20 Thick Base can be stored for approximately 6 months in a dry place and its original closed container.

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