



Microcement ReadyMix

MICROCEMENT READYMIX is a pre-mixed and ready-to-apply microcement mixture. Design By Cement has formulated this product to create up to 2mm thick of a concrete-like coating that can be achieved easily with little to no prior knowledge, and without the need of preparing a mixture for application.

Characteristics

- No mixing necessary; ready to use.
- Applicable on most surfaces.
- Easy application.
- Low maintenance.
- Ecologically conscious.

How to use

In order to apply the microcement, the surface needs to be properly prepared beforehand. This will vary by the surface's composition, but in most cases it will entail proper cleaning of the surface and application of primer, also available at Design By Cement, so the microcement can achieve the best adhesion possible.

The Microcement Readymix mixture can be used immediately; however, one should control the microcement in the bucket, as it may occasionally harden itself inside it. This can be fixed by slowly stirring the material inside the bucket or by adding a small amount of water (between 0,5 and 1,5 dL depending on the bucket size).

Technical Data

Type	Pre-mixed microcement
Form	Paste
Colour*	Opaque shades of grey
Bucket Sizes**	3m ² and 10m ²
pH	8,0 – 8,5
Density (g/cm³)	1,01 – 1,04
Consumption (L/m²)	2,40

* DBC Microcement is offered in the following colours: light grey, concrete grey, dark grey, sand white, grey beige, and black.

** Sizes indicate how much surface the provided amount is expected to cover.

Application

There are several ways in which Readymix can be applied to a surface. The following are the most relevant methods, but you are welcome to check the application guide on Design By Cement's website for more tips on how to do so.

One-Layer Method

Spread the material with a trowel or similar tool in such a way that the layer is just thin enough so you CANNOT hear the scraping sound from the sand in the primer. After roughly 30 seconds or more, use a softer, more flexible trowel or similar to smooth out the surface.

Scraping Method

Scraping is the safer method of application; good for the inexperienced, but also recommended if the surface has many angles and corners (e.g. stairs). Be aware, however, that it is extra important for the temperature to be homogenous, so be mindful of windows, radiators, etc.

Stir the material and dilute as necessary so it takes a looser consistency. It should be loose enough so it works without it changing shape when the bucket is lightly shaken.

Utilize a more rigid trowel. Hold the tool in a 45 degree angle and spread the product in a thin layer as evenly as possible. You should hear the scraping noise from the primer during the entire procedure. Work in irregular patterns.

As soon as the first layer is sufficiently dry (i.e. it can be stepped on without leaving imprints; this should take about 4 hours after application), the second layer is applied. If the first layer becomes too dry, the second layer might not bind properly.

Grinding

After application, the microcement needs to harden for roughly 15 to 24 hours. Be mindful that during this period the material is sensitive to moisture. Be sure the material is dry before grinding.

Sealing

After the material is applied, Sealer needs to be applied in order to e.g. cover grinding marks, reduce flammability, etc. Refer to the user manual on how Sealer should be applied.

Maintenance

Microcement needs to be cleaned and regularly treated with oil and wax as to avoid staining. Refer to the user manual on how to maintain.

Precautions

- Product contains cement and other compounds that may cause irritation or allergic reactions.
- Avoid contact with eyes, skin or other sensitive areas of the body. Wear rubber gloves and goggles when applying the product.
- Avoid inhalation. Wear a protective mask if one is available.
- Optimal temperature for application is between 15 and 20°C. Do not apply under 7 or over 23°C.
- Keep product out of reach of children and pets.
- Refer to the safety data sheet for more details.