



TECHNICAL DATA SHEET

D809-MANTOVA

Powder form waxed microcement

DESCRIPTION

MANTOVA is a microcement based decorative plaster for interiors, for both flooring and walls. Applied MANTOVA results in the world famous Beton Cirè waxed cement effect. It's strength and toughness make it the ideal product for the decoration of floors. In powder form, it is easily transportable and packaged in humidity proof buckets, nor does it tame heat. It is possible to colour MANTOVA in several tones and shades, and can be applied in all set-ups. (See "APPLICATION") Just add water.

APPLICATION

Mix FONDO MANTOVA with 30-40% water until obtaining a well blended mix.

Apply 1 coat of FONDO MANTOVA evenly on the surface using a trowel and where necessary (surfaces greater than 2mq, corners, etc...) at the same time embed a fiberglass coating pressing the surface with a trowel.

After this operation the fiberglass should be encapsulated in FONDO MANTOVA. If needed apply a 2nd coat of FONDO MANTOVA.

Allow to dry well for 24-36 hours.

MANTOVA is diluted using water in the following manner: One 20Kg MANTOVA bucket + 8 litres water. To obtain a well blended and uniform product without lumps, follow these instructions:

Pour 6-7 litres of water in a bucket.

Mix the chosen colour well in the water.

Gradually add MANTOVA (in powder) in the coloured water, mixing thoroughly by means of an electric mixer. Once blended, if needed, pour in the remaining water (1-2 litres) to obtain the desired consistency.

Apply the first coat of MANTOVA over the entire surface as for normal plasters, smoothing well the surface (as for a marmorino first coat).

Leave to dry for 12-24 h depending on temperatures before applying the second coat.

For a slightly glossy effect, smooth MANTOVA while the product is still wet, paying special attention to not leave imperfections.

If you wish to avoid the grey streaks left by the stainless steel trowel, use a plastic trowel instead

Leave to dry for 3-5 days, and if applied on floors, do not step during this period.

APPLICATION OF THE PROTECTIVE COATING

Before proceeding to the application of the protective coat, make sure to sand the surface with a fine glass paper, or with abrasive paper. This is necessary to remove or refine any micro-granules that naturally can occur on the surface. This step is also essential to encourage the absorption of the protective coat.

Aspirate any dust that has formed after this operation.

Apply one coat of protective, ready to use, SCU using a short hair roller and, at the same time, with a sponge, rub the product applied on the surface. This will favor the absorption of MANTOVA. Alternatively it can be applied directly with a sponge, rubbing the product in a circular way on the surface so that the protective coating penetrates in all the pores of the surface.

Allow to dry for 12-24 hours according to temperature.

Proceed with the application of poliuretano according to the desired effect: MATT, SATIN or HIGH-GLOSSY. (See technical data sheet for more details)

Mix well the polyurethane compound that appears in BICOMPONENT format. Mix well using a mixer at a low speed

The poliuretano can be diluted with clean water at room temperature. In this case, dilute for the first coat from 10 to 20%. Mix well before use.

Then apply with short hair roller (or brush) and spread well making sure to apply it evenly on the surface. To facilitate the preparation and uniform coverage of all the pores of the surface, apply the product to the surface by crossing it on each pass for several times. For example if you apply by roller, you can apply several vertical and horizontal rolls on the surface. This will favor the anchoring of the protective paint on MANTOVA.

Allow to dry 12-24 hours.

Apply a diluted 2nd coat with 10% water. Apply in the opposite direction to the first hand.

Allow to dry 48-72 hours according to the environmental temperature and humidity before using the surface.

In very humid environments (like SHOWERS etc....) we recommend a third coat of poliuretano.

WARNING: If over time, after finishing the work, some darker spots appear on the support, it means that the water is penetrating into some uncovered micropores. In this case, refine with glass-paper where the problem occurs, let it dry with the help of a electric drier and apply a further coat of poliuretano.

APPLICATION ON TILES OR MARBLE

Even for tiles or marble you can proceed following the traditional application of the FONDO MANTOVA as described below.

If the surface is very shiny or smooth, we recommend refining the surface with a orbital flex. So to opacize and scratch the surface this would help the FONDO MANTOVA anchorage.

WALL PROTECTION

To protect MANTOVA applied to other environments (not in showers or very humid environments) alternatively to the poliuretano, apply the POLISHING WAX:

Apply with the stainless steel trowel and polish the surface with a cotton cloth to obtain a semi-glossy effect .

To protect MANTOVA in a more resistant way, apply the poliuretano, a bicomponent polyurethane compound, according to the desired effect (MATT, SATIN or HIGH-GLOSSY)

APPLICATION OF MANTOVA IN SHOWERS (or in environments with continuous contact water):

In this case, please CONTACT THE MANUFACTURER who will certify a specific cycle for the work.

APPLICATION OF MANTOVA FOR SWIMMING POOLS

For MANTOVA application in the swimming pools, please CONTACT THE MANUFACTURER who will certify a specific cycle for the work.

CAUTION:

- N.4 The raw materials used are natural and may have small differences depending on the batches used. It is therefore recommended to use the same batch of product for each single work to be performed. If this is not possible mix the batches between them.

NOTES

- Please note that due to technical reasons caused by the tinting of the product the indicated Specific Weight of the product may differ from the Package Net Weight.

- In the original, sealed containers and in appropriate temperature conditions . The period of stability is purely indicative, and refers to the minimum stability period of the product if stored ideal conditions according to the instructions provided. If properly stored the products stability period may extend several years.

TECHNICAL DATA

Nature of the bond	Microcement, mineral powders and natural resins
Drying Time	6-12 h at touch, 36-48 h complete.
Thinning	40% Water
Yield	0,50-0,65m ² /Kg
Specific weight	1,050Kg/Lt
Colors	See color chart
Wet aspect	Powder
Stability	2 Years (in sealed, unopened original packing)
Storing	Max Temp. +30°C, Min T. +5°C
VOC	10 gr/l
TVOC	N/A
PH	12-13°C
Cleaning	Water and Soap
Packing	20KG