

## Ultra-Thin Smooth Finish Mortar

### Presentation

#### Areas of use:

High-tech finishing mortar for use on surfaces where Smooth Finish Mortar or Liquid Mortar for Floors have already been applied in 2 mm thickness.

The mortar enables super smooth, highly aesthetic results, offering a taut finish on floors, walls, bathrooms, work surfaces, objects, etc.

#### Composition:

Two component hydraulic mortar (component A: powder and component B: liquid)

#### Packaging:

24.7 kg Local Mix Ultra-Thin Smooth Finish Mortar kit (3 component)

### Application

#### Substrate and substrate preparation:

The product should only be applied to substrates of 2 mm thickness Smooth Finish Mortar or Liquid Mortar for Floors, that have not undergone any finishing process.

Before applying the layer of Ultra-Thin Smooth Finish Mortar, the substrate can be sanded (80, 100 or 120 grain) or scraped to remove any "peaks" using a wide plastering knife. Vacuum using a vacuum cleaner before proceeding.

#### Precautions and procedures:

In order to guarantee colour consistency on all applications for a given site, use identical batches of component A as well as identical batches of concentrate (Local Mix).

The concentrates (Local Mix) contain variable proportions of pigments, materials and additives in order to obtain the desired end product finish. Concentrates should never be mixed together.

The base products (Local Mix) are "semi-finished" materials. It is essential to add concentrate to the base product in order to obtain a stable formula and all the properties of Ultra-Thin Smooth Finish Mortar. Even for white coloured mortar, the addition of a white concentrate of the corresponding colour is necessary.

Use of the base product alone, without the addition of the concentrate (Local Mix), modifies the nature of the product and reduces the chemical and mechanical performance of the system.

Use of the product should always involve the precise mixture of the 3 components.

#### **Ultra-Thin Smooth Finish Mortar Local Mix kit preparation:**

Dry mix (allows the kit to be reused) or wet mix (complete use of the kit in one go).

### Dry mix:

In the case of a dry mix, always mix all of the base product and all of the concentrate together before dividing the product for reuse at a later date.

- Roll the container of base product in order to aerate and uncompact the product
  - Open the base product container and create a slight hollow in the centre of the product
  - Shake and open the pot of concentrate
  - Pour the concentrate into the hollow in the centre of the base product
  - Block the container between your feet and gently mix the base product and concentrate at low speed
  - Plunge the mixer into the mix and progressively raise the mixing speed
  - Continue mixing, making vertical, lateral and slanted movements in order to evenly mix the product. Pay careful attention to the edges and the bottom of the container in order to ensure all of the product is well mixed. For the first mixtures, we recommend pouring the mixed contents into a container of a similar size in order to make sure the mixture is fully mixed. Remix if necessary.
- The product mixing process should take at least 1 minute.**
- Add component B (liquid) to the quantity of prepared powder: mixture of base product + concentrate (component A).

Note: the action of mixing the dry materials together does not alter their shelf life as long as the containers (base product and concentrate) are properly closed and stored under the recommended conditions.

### Wet mix:

- Pour the liquid part (component B) into a clean container
- Shake and open the pot of powder concentrate
- Pour the powder concentrate into the liquid
- Block the container between your feet and mix at low speed until the liquid and the concentrate are thoroughly mixed

Never add water

### Application:

Before application, check the moisture level of the substrate (4% maximum humidity).

Temperature	>5°C and <25°C (ideal temperature: >15°C and <20°C)
Relative humidity	>30% and <80%
Protect from wind, direct sunlight, rain and frost, as well as from the surrounding fauna and flora during the application and drying process	

### Application tools:

Plastering trowel, finishing trowel, wide stainless steel or plastic plastering knife

### Application method:

Apply a thin first layer and an optional second layer of Ultra-Thin Smooth Finish Mortar. These finishing layers determine the finished aspect of the coating and enable the coating to be smoothed. The layers should be applied using a plastering trowel in the same manner as the layers of Smooth Finish Mortar or Liquid Mortar for Floors.

It is important to note that stainless steel application tools can leave dark marks (especially on clear colours). Use of a plastic tool may be preferable.

After 24 hours of drying (at 20°C), sand the surface (80 grain, then 100, then 120) using an orbital sander (or a single-brush floor sander) then vacuum using a vacuum cleaner. Edges should be sanded by hand. The degree of sanding will determine the surface finish (granular or smooth) and will highlight the material finish. If the surface finish is considered satisfactory, proceed to MA's finishing and protection coats.

### Consumption:

Floors, shower walls, work surfaces, furniture...	1 kg/m <sup>2</sup> per layer	approximately 0.7 mm per layer
Walls (except heavy use walls)		

### Drying times at 20°C with 60% relative humidity:

Application time	25 to 30 minutes
Dry to the touch	4 hours
Between layers	24 hours minimum
Fully dry	2 days, however full mechanical resistance after 28 days

### Tool cleaning:

Water

### Technical features

#### Product features:

Component A: coloured powder; Component B: white liquid; Mix: thixotropic mortar

**Density A+B (at 20°C):** Approximately 2.1

**Flash point:** Not applicable

**Additional data:** see **Ma's Smooth Finish Mortar performance certificate**

### Maintenance

Maintenance and regular cleaning should be done using water and MA's cleaning products. We recommend cleaning marks and stains within 12 hours.

Do not use acid, alkaline or solvent based detergents.

As stains and scratches are more visible on very clear or very dark colours, we recommend more frequent cleaning for these colours (please refer to the maintenance guide).

Leaving stagnant water on varnishes and fixatives is not recommended as these products are not designed to be waterproof (e.g. flower pots, wet sponges, wet linen...).

It is also recommended that surfaces be protected from regular friction and impacts (casters, furniture legs, shoes with studded soles, stones, pointed, sharp and blunt objects, etc.) in order to avoid possible marks.

Application of MA's High-Resistance Wax, on top of the varnish, facilitates floor cleaning and restoration. It also offers protection from micro scratches on high use surfaces.

### Storage and safety

12 months in the original, unopened packaging, away from direct sunlight and frost, at a temperature between +5° and 35°C, ideally between 15 and 20°C. Check the use by date on the packaging before use. Once opened the product should be used within 7 days.

Use appropriate personal safety equipment as described in the Safety Information Sheet. For further information concerning safety, please consult the Safety Information Sheet.

*The information given in this technical sheet is an indication only and cannot be used to hold Marius Aurenti in any way responsible. Please carry out product tests on a small area before proceeding.  
For all further information concerning product use and security, please refer to the Safety Information Sheet.*