

Liquid Mortar for Floors

Presentation

Areas of use: Decorative floor coating for interior and exterior use

Composition:

Hydraulic mortar

Component A: powder; component B: liquid

Properties:

Ease and rapidity of application, application in 2 mm thickness, excellent mechanical resistance, adhesion and waterproofing

Packaging:

24.7 kg kits

Application

Substrate and substrate preparation:

Sound concretes and concrete derivatives, cellular concrete, tiling, plasterboard, bricks, breeze blocks, wood derivatives (chipboard, MDF, plywood, etc.). Do not apply to timber, supple wood floors, plastics or textiles. Substrates should be sound, dry, rigid, stable and clean (free from oily stains and cloudy/milky surface finishes). Substrates should conform to current building regulations. It is important that the substrate is crack free and has good cohesion. Active cracks and expansion joints should be left open and should not be covered by the finishing mortar. They should be treated using a flexible joint after the liquid floor mortar application.

Product should not be applied to exterior tiling and paving stones.

The substrate should be insulated from all possible rising damp from beneath as well as from the edges.

For applications in rooms subject to high humidity levels such as bathrooms, waterproofing and sealing should be carried out before product application. All joints between different materials should be treated using flexible waterproof sealant.

For all shower applications, the substrate must have a slope >2%.

The diversity of the substrates and their basic states require specific preparations as well as the possible use

of specific preparation products. For more information, please contact our specialist technicians.

Preparation:

In a clean container, weigh component B, then add component A according to the weight ratios detailed in the table below:

Component B (liquid) in kg	Component A (Powder) in kg	Product ready for application in kg
0.19	0.81	1.00
0.38	1.62	2.00
0.57	2.43	3.00

Note: Never add water

The performance of the product relies on a strict adherence to the mixing proportions of components A and B as listed to avoid a reduction in mechanical strength and surface hardness.

Mix manually with a large plastering knife or electric mixer (at very slow speed: <500 rpm) until the contents are evenly mixed, with no lumps.

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, Flemish trowel

Application:

Place a clean container on a set of scales and set to zero. Weigh precisely 0.76 kg of component B. Then add component A until the scales read 4.00 kg (addition of 3.24 kg of component A).

For the preparation of all other quantities, please refer to the designated weight table.

It is strongly recommended to prepare only small quantities at a time. Do not prepare all of the product in one go if the number of persons applying the product is insufficient or they are inexperienced or if the weather is hot.

Mix by hand or with an electric mixer (at very slow speed) until the product is evenly mixed, with no lumps.

Apply with a large plastering trowel in 2 thin crosswise layers. Apply between 1 and 2 mm thickness per layer. Apply at least 4 kg of product/m². The second layer can be levelled using a sponge.

Once the mortar is dry, sand in order to obtain the desired finish and to bring out the material aspect of the mortar.

Consumption:

2 kg per m² and mm of thickness

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:

Appearance in container: Component A: coloured powder; Component B: white liquid; Mix: thixotropic mortar. Finished appearance: Smooth mortar with various material finishes

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

Additional data: please refer to Ma's Smooth Finish Mortar/Liquid Mortar for Floors performance certificates

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.*