



Liquid Marble Fine

1. Short Description

Liquid Marble Fine is a high quality decorative plaster, based on technologically advanced high calcium lime putty (CL 90, EN 459-1) that has been aged for 36 months and ultra-fine marble fillers (max. grain size 10µm). It is suitable for application by trowel.

Easy to work with, LM Fine shows excellent adhesion and is an extremely durable solution when a special decorative effect is sought. It resembles the traditional stucco veneziano, creating a sleek surface with graded nuances variation.

It has excellent breathability, allowing the release of surfaces' moisture. It also regulates the free moisture content and binds CO₂, reducing indoor pollution and creating a healthy atmosphere. The high pH of lime provides excellent antibacterial and mildew action without using chemical additives. The crystal structure of aged calcium hydroxide creates a very durable and flexible surface that does not crack, while on loose and porous substrates it works beneficially, helping to strengthen their cohesion and stopping the aging phenomena of masonry.

2. Application field

The system is suitable for vertical surfaces, in interior applications. Due to the extremely thin final layer of the material (1 - 2mm), it is ideal for renovations and applications where minimum interference to the existing construction is desired. LM Fine is applied on surfaces that have been previously coated with LM Smooth.

3. Application Details

Surfaces must be properly prepared and clean, dry, free from loose areas, oil or other pollutants that can adversely affect the adhesion of the material.

Absorbent mineral substrates (e.g. cement plastered surfaces, concrete, gypsum boards etc) may be primed with Aqua Primer (polyurethane primer). For non-absorbing substrates (e.g. polished marble, tiles, acrylic-painted wall surfaces) apply LM Primer (lime-based primer). In both cases, when extra anchoring is needed, you may add coarse quartz aggregates Quartz 200 µm to the primer.

After 2-3 hours, apply two coats of Liquid Marble Smooth with an interval of 2 -4 hours in between. 2-4 hours after the last layer of LM Smooth, apply 1 coat of Liquid Marble Fine. 24 hours after the last layer (and no more than 7 days), the surface can be sanded with a P100 abrasive, up to a degree depending on the final effect you want to achieve. Alternatively, the

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surface can be polished with a stainless steel spatula by applying intense pressure in order to create a very sleek effect.

The final surface may be covered with the finishes of the Liquid Marble product line (Aqua Var, Aqua Var 2K Matt or LM Sil Protect), depending on the final texture and degree of protection you want to achieve.

Immediately after use, remove as much material as possible from tools and wash with soap and plenty of water.

Caution:

- Do not apply when ambient temperature is lower than 5°C or higher than 35°C and the relative humidity is greater than 70%.
- In conditions of intense heat it is recommended to wet the surface before applying the first coat.
- Due to the calcitic nature of the material, the actual colour of the coating appears after complete drying.
- All lime-based products have a normal drying time according to their thickness but, the real hardness is obtained through carbonation by contact with the air. This process could last many months.
- Surfaces that have been decorated with LM Smooth can be cleaned using a sponge and mild cleaners after at least 25 days.

4. Technical Data

Liquid Marble Fine	
Composition	Aged lime-putty based decorative plaster with marble fillers of 10 µm (maximum grain size)
Aspect	dense paste
Color	white by default – on request available in a vast variety of colors
Mixing ratio	Ready to use
Consumption (2-3 layers) (kg/m²)¹	0.5 – 0.6
Layer thickness	< 0.5 mm
Specific gravity (kg/l), 23 °C	approx.1.5
PH	12 – 12.5
Adhesion (Bond strength) N/mm²	1.6 (BDS EN 1015-12:2003)
Water Vapor permeability kg/m²sPa:	2,21.10 ⁻¹¹ (BDS EN 1015-19:2001 +A1:2006)
Pot life	Ready to use (T=23°C , RH%= 50)



Drying parameters²	To the touch: 1 - 1 ½ hr, Time between Layers: 2 - 4 hrs, Time before Applying Protection: 24 hrs
Packaging	Available in buckets of 5 and 15 kg.
Ambient Air Temperature/Moisture	+5°C min./ +30°C max, RH%<70
Surface Temperature	+5°C min./ +30°C max
VOCs (Volatile Organic Compounds)	EU limit value of maximum VOCs content (Directive 2004/42/EC) for this product (category A (I)): 200gr/lt (2010). The product contains a maximum of 1.8 gr/lt VOCs

Storage Guidelines

The lifetime of the material is 12 months from production date if kept in the original, sealed packaging and stored in dry spaces and temperatures 5°C - 30°C, avoiding exposure to direct sunlight and frost.

¹ Depends on the substrate absorbency.

² Depending on the climatic conditions (T, %RH)

Notes

The present technical information is provided by Develime's experts, after extensive testing and research on the products and their performance, yet it does not imply any responsibility when the conditions of use are outside of our control. It is recommended that the product is always checked for its suitability on a specific application.

Develime Products are developed in order to achieve the highest performance as safely as possible. Always consult safety data sheets and handle products accordingly.

Only for professional use