

## **Grassello (Fine) “Fine Italian Lime Plaster”. Shiny plaster**

This Green Building Product is natural Italian Lime plaster made from a mixture of grinded minerals that include Lime, Marble, other minerals and organic binders and resins. This product is developed to satisfy the needs for modern finishes. It's a product that competes with Marmorino Berlina for its wonderful absorption of color and different effects and transparency, but is totally in a class of its own. When used as a traditional lime plaster, its beauty is the ability to have maximum translucency to see the colors and product under it. The granular size of these particles range from 50-100 µm (microns) / 0.05 -0.10 mm, and as a result will provide a smooth or very glossy shiny surface. This product is often the choice for the effect of “Stucco Veneziano”. When used on interiors surfaces Grassello can easily be used as the final finish, and often is used in conjunction with any of our Marmorino products. This natural product offers the applicator an unlimited possibility of uses as a finish or mixed with other products to offer a rich and luxurious effect that many applicators find unique.

The base of this product is “aged hydrated magnesium quality slacked lime”. This product offers high transparency and once applied will show moderate to heavy variations or shades of color depending on color and techniques.

### **Texture**

Grassello is applied directly onto any surface but is designed for smooth surfaces. We suggest our products are always applied to a surface that has been properly prepared with a primer. FirmoLux™ offers Anchor Primer™ & Micro Primer™. We also suggest a base coat of Marmorino Berlina or Intonaco Piatto depending on the substrate that the product is being applied; a thickness of 0.5-0.75 mm is applied by trowel for a single coat when used as a finish coat and is often applied in 2-3 coats for best results. Due to its strong fixing cycle, this product once applied will perform and continue to improve over time.

For particular difficult surfaces or in cases where water penetration and absorption is an issue, we suggest applications of water based mineral / vinyl primers prior to application, and sealers or waxes post application. FirmoLux carries a complete line of primers, waxes and sealers for almost any situation.

**Color:** Product comes natural white. Can be tinted to match any color desired.

**VOC & LEED:** 0-VOC's, 1-LEED Point Certified or more depending on other products used with it.

**Benefits of Product:** Like most lime based products, this product will prevent the growth of mold and mildew. Over a period of time, carbonation of the lime with the carbon dioxide from the atmosphere will bring this product back to its natural state which is limestone and marble.

**Dilution:** Fine to medium density putty ready to use after stirring well. Experienced applicators have been known to mix with other FirmoLux Products to create other effects.

**Ph Factor:** 13 ph

**Granulation Size Range:** 50-100 µm (microns) / 0.10 -0.15 mm

**Flash Point:** None

**Packaging:** 4kg, 8kg, & 20 Kg Buckets, 1-Gal, 2 & 5 Gallon size buckets. Samples available!

**Composition:** Magnesium quality micro-filtered lime putty, particles of minerals and other natural elements make up the composition of Grassello™. Additional organic additives and resins are included to help improve in the technical and application aspect of the product.

**Product Stability:** Extremely stable

**Avoid:** Avoid continual contact to the skin and avoid contact with the eyes.

**Incompatibility:** Hydrogen fluoride and inter-halogens.

**Hazardous:** No known hazardous waste or by-product. No known hazardous decomposition of product or by-products are known to have occurred.

**Health Hazards:** Do not ingest. Do not inhale product for prolonged periods. Acute gastric or bronchial irritation will result if ingested or inhaled. Consult your physician if condition worsens or if condition is lasting more than 6 hours.

## Grassello™ (Grassello Fine) shiny plaster

### Product and Technical Data Sheet 092523 v.16.03

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**Precautions:** For ingestion, drink water. In the event you get this substance in your eyes, flush with clean fresh water, avoid rubbing and consult a physician if prolonged irritation continues.

**Safe Handling of Product:** Always wash hands after handling products and especially before ingesting food. This is a natural non-hazardous bio-degradable product so if product spills occur, absorb with shovel or rags and safely dispose of in any construction material collector.

**Application Yields:** As stated below:

Grassello™ Veneziano (Fine)					
No of Coats	50 Ft <sup>2</sup>	100 Ft <sup>2</sup>	400 Ft <sup>2</sup>	750 Ft <sup>2</sup>	2000 Ft <sup>2</sup>
1 Coat Application you need-->	1 Kg	3 Kg	11 Kg	20 Kg	50 Kg
2 Coat Application you need-->	2 Kg	5 Kg	20 Kg	37 Kg	95 Kg
3 Coat Application you need-->	3 Kg	7 Kg	27 Kg	50 Kg	135 Kg
1/2 Coats added to above-->	1 Kg	1 Kg	5 Kg	10 Kg	27 Kg
(1 Kg = 1 Quart) (4 Kg = 1 Gal) (8 Kg = 2 Gal) (20 Kg = 5 Gal)					
please note: estimates vary depending on wall and application technique					

#### PLEASE NOTE:

The coverage you achieve is affected by the experience of the applicator, application textures/technique, waste, substrate condition and material, as well as weather or environment at the time of application. These yields suggested in the above diagram are to be used as a guide. We suggest consulting FirmoLux™ if a more accurate specification is necessary.

#### Instructions for use

- Prepare the base with Anchor Primer or or smoothing base like Micro Primer Veneziano
- Application with stainless steel trowel
- Base must be clean and dry, any unsubstantial parts, traces of oil or grease must be removed; plaster any irregularity of the base.
- Apply 2-3 coats. An additional procedure will be done to refine the grade of brightness after application, by using a trowel and/or special tools. It's NOT advisable to apply more than 2 coats within the first 12 hours in order to let the product dry correctly.
- Temperature of application: 5° to 35°C (40°F to 95°F)
- All lime-based products have a normal drying time according to the thickness but, the real hardness is obtained through carbonation which occurs on contact with the air.
- This process could last many months

#### Suggested Applications

- Decorative Finish for Exterior or Interior surface areas.
- A great finish that can be used smooth or polished, depending on the applicators design and technique.
- Can be waxed to enhance the natural effect of the product to give a more luxurious natural look.
- Designed to be used as a finish plaster or a base for any of the Metallic Plasters.