



### 1. Product Name

FirmoLux™ Italian Lime Plasters

- Intonaco Collection
- Marmorino™ Collection
- Marmorino Specialty
- Specialty Metallic Collection

### 2. Manufacturer Distributor

FirmoLux, LLC  
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[www.VenetianPlaster.it](http://www.VenetianPlaster.it)

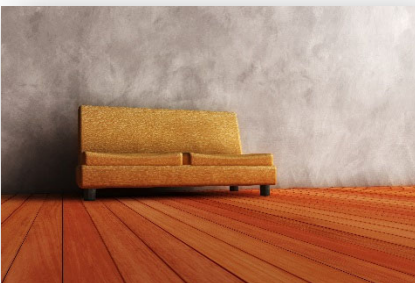
### 3. Product Description

#### BASIC USE

FirmoLux, LLC, **offers** a full line of high quality, all natural lime Italian plasters, primers and accessories for commercial and residential applications. Manufactured in Italy, FirmoLux™ Italian Plaster System is available in several grades, textures, transparencies and **finishes**. Crack resistant and significantly more flexible than synthetic plaster, these low maintenance plasters help create dramatic appearances for exterior walls, interior walls and ceilings.

#### COMPOSITION & MATERIALS

FirmoLux™ Authentic Italian lime plasters have an aged hydrated slacked lime base. They are completely natural Italian limestone products, comprised of magnesium quality micro filtered



lime putty, minerals, marble and other natural elements, as well as organic additives included to improve product application.

#### TYPES

Intonaco Collection  
 Intonaco Mezzo™ - An interior or exterior leveling base or finish coat with a durable medium or matte finish.

#### Marmorino Collection

- Marmorino Piatto™ - An interior or exterior product with a smooth to matte finish
- Marmorino Berlina™  
 A smooth texture product, with a varying amount of gloss and texture, designed for the traditional look of Venetian plaster

#### Marmorino and Specialty Collection

- Marmorino Sahara™ - A smooth texture product, sandy tan with specks of darker minerals, designed for a stone look finish
- Marmorino Ravina™ - A smooth texture product, cream with gray specks and a stone effect, designed for a stone look finish
- Marmorino Coral™ - A smooth texture product, cream with coral colored minerals and a stone effect, designed for a stone look finish
- Grassello - A luxury, refined lime and marble product that can achieve a high polished appearance, known as "Stucco Veneziano" A traditional Venetian Plaster shiny finish.
- Marmorino Rasatura™ - A basecoat or final finish that leaves little to no transparency and leaves a smooth matte swede finish.

#### Specialty Metallic Collection

- Milano Gold™, Milano Bronze™ and Milano Silver™ products are luxurious, fine textured interior products mixed with metallic powders for a satin finish.



#### SIZES

- Intonaco, Marmorino Classics and Marmorino Specialty products are packaged in 55 lb (25 kg) buckets
- Specialty Metallic products are offered in 44lb (20 kg) buckets
- Grassello is packaged in 44lb (20 kg) buckets
- MicroPrimer™ and Anchor Primer™ are 44lb (20 kg) buckets

#### COLOR

FirmoLux products comes natural white but is tinted with natural mineral oxide pigments and can match any color fan deck, including stone, fabric or tile.

#### BENEFITS

- FirmoLux™ Italian Venetian Plasters are naturally green products, nontoxic, nonflammable and hypoallergenic with 0-VOC's.
- More flexible than synthetic faux products, FirmoLux Italian lime plasters provide outstanding long-lasting finishes that age gracefully.
- Colors permeate the entire product to reduce resurfacing, repainting and maintenance requirements

- Bonds over time and hardens to its original stone texture state, increasing in durability and aging gracefully
- Inhibits the growth of surface mold and mildew, even in very dark, humid environments
- Allows walls to breathe, permitting water to evaporate off the plaster surface reducing trapped moisture.

#### LIMITATIONS

- FirmoLux should not be mixed with any products not manufactured by FirmoLux.
- Water based interior acrylic primers with tolerance levels of pH 13 should be used to provide sufficient bonding between substrate and finish material.
- Stainless steel finishing trowels, spatulas, putty knives and mixing tools designed specifically for lime applications should be used for installation.

#### ACCESSORIES

- MicroPrimer™ - A water-soluble acrylic resin with very fine particles to create a bond between interior or exterior substrates and to create a bond between the substrate and the first coat of the product. Recommended under Grassello, any of our Metallic finishes or Marmorino Berlina™.
- Anchor Primer™ - A fixing agent with highly adherent resin and micro-crushed marble for high difficulty walls and suitable behind higher granulation products like Marmorino Piatto™ and Intonaco collection.

#### 4. Technical Data

##### APPLICABLE STANDARDS

ASTM International (ASTM) - ASTM C926. Standard Specification for Application of Portland Cement-Based Plaster

TABLE 1 PHYSICAL/TECHNICAL PROPERTIES

Product	Texture	Granulation	Characteristics
Grassello	Fine	100µ microns (0.0039", 0.10mm)	Maximum transparency; heavy color shading
Metallic Specialty	Fine	100µ microns (0.0039", 0.10mm)	Minimum transparency; opaque coloring
Marmorino Berlina™	Smooth	300µ microns (0.0118", 0.30mm)	High transparency; moderate to heavy color shading
Marmorino Specialty	Smooth	300µ microns (0.0118", 0.30mm)	High transparency; moderate to heavy color shading
Marmorino Rasatura™	Smooth	300µ microns (0.0118", 0.30mm)	High transparency; moderate to heavy color shading
Marmorino Piatto™	Matte	600µ microns (0.0236", 0.60mm)	Minimum to moderate transparency; moderate to manageable color shading
Intonaco Mezzo™	Thick	700µ microns (0.027", 0.70mm)	Minimum transparency; moderate color shading

Portland Cement Association (PCA) – Portland Cement Plaster/Stucco Manual

PHYSICAL/TECHNICAL PROPERTIES  
See Table 1

#### ENVIRONMENTAL CONSIDERATIONS

FirmoLux Authentic Venetian Plasters are naturally green, sustainable materials produced without plastics, acrylics, polymers or harmful chemicals and are completely biodegradable.

#### 5. Installation

Contact FirmoLux, LLC, for complete installation details.

#### PREPARATORY WORK

The scheduled delivery date is provided at least 5 days prior to delivery. Products arrive on pallets with a maximum of thirty-three 55 lb. (25 kg) buckets per pallet. Have a forklift on site or have sufficient labor to remove the products manually.

Materials are delivered in original packaging, with labels identifying the manufacturer and product, color designation, lot number, manufacture date and application location. Instructions are provided to the application team to ensure proper product installation.

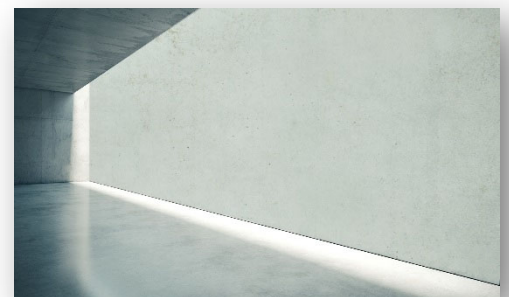
Inspect all materials at the time of delivery and report any damaged or

defective products within 5 business days.

Store materials in well-ventilated, dry and protected areas or environments where the minimum storage temperature is no less than 42°F (5°C) and the maximum is no more than 95°F (35°C). Keep out of direct sun and preferably in a cool, dry indoor or

protected location. If the product is to be stored in an outdoor shaded area, cover the buckets with a tarp to keep them clean and dry.

Surfaces must be structurally sound, clean, dry and free from loose particles grease, oil, dirt, curing compounds and other contaminants that would prevent



a good bond. Comply with manufacturer's written instructions for substrate preparation.

#### Substrates

Plaster Brown Coat/Rendering

Apply the brown coat in accordance with ASTM C926 and the Portland Cement Association Portland Cement Plaster/Stucco Manual. Pay particular attention to moist curing requirements; a fiber mesh can be imbedded into the brown coat, but is not required. To simplify the finish application, the brown coat finish/rendering should be above average or should be cork floated to maximize the quality of the finish and diminish the porosity of the substrate.

#### Stone, Precast Stone, Brick, Applied Stone

For best results with cement block, apply the brown coat in accordance with ASTM C926. The application can be directly on the cement block, but the desired effect or texture will be limited to certain appearances. In some cases, the block shapes and grout areas are incorporated into the finish texture. Grout should be free of cracks, smooth and level.

For best results with stone, apply over smooth stone or, for special effect finishes, apply where the shape of the stone is desired. Grout should be smooth, free of cracks and, depending upon the desired effect, level with the stone.

For best results with brick, apply over smooth brick or, for special effect finishes, apply where the shape of the brick is desired. Grout should be smooth and free of cracks or loose segments.

#### METHODS

Where recommended, use a primer coat and allow it to dry 12 - 24 hours or until completely dry.

Apply the first coat as recommended by the manufacturer for the specific finish and texture.

On commercial projects in high traffic public areas, it is important to protect the plaster by applying the product at a

TABLE 2 INSTALLATION - PRODUCT YIELDS

Product & Use	Size Bucket	ft <sup>2</sup> (m <sup>2</sup> ) per Bucket low	ft <sup>2</sup> (m <sup>2</sup> ) per Bucket high	Installation
<b>Intonaco Mezzo™</b>				
Smooth drywall/base finish, 1st coat	55 lb (25kg)	200 (18.5)	230 (21.3)	Trowel over primed surface
Smooth drywall/finish coat, 2nd coat	"	100 (9.3)	115 (10.6)	Trowel over first coat
Textured surface/base finish, 1st coat	"	185 (17.2)	213 (17.8)	Trowel over primed surface
Textured surface/finish coat, 2nd coat	"	95 (8.8)	110 (10.2)	Trowel over first coat
Rough concrete/base finish, 1st coat	"	175 (16.3)	202 (18.8)	Trowel over primed surface
Rough concrete/finish coat, 2nd coat	"	85 (7.9)	98 (9.1)	Trowel over first coat
<b>Marmorino Piatto™</b>				
Smooth drywall/base finish, 1st coat	55 lb (25kg)	350 (32.5)	403 (38)	Trowel over primed surface
Smooth drywall/finish coat, 2nd coat	"	185 (9.3)	213 (20)	Trowel over first coat
Textured surface/base finish, 1st coat	"	335 (17.2)	386 (36)	Trowel over primed surface
Textured surface/finish coat, 2nd coat	"	170 (8.8)	196 (19)	Trowel over first coat
Rough concrete/base finish, 1st coat	"	320 (16.3)	368 (35)	Trowel over primed surface
Rough concrete/finish coat, 2nd coat	"	150 (7.9)	173 (17)	Trowel over first coat
<b>Marmorino Berlina™</b>				
Smooth drywall/base finish, 1st coat	55 lb (25kg)	540 (51.2)	621 (58)	Trowel over primed surface
Smooth drywall/finish coat, 2nd coat	"	290 (26.9)	334 (32)	Trowel over first coat
Textured surface/base finish, 1st coat	"	525 (48.8)	604 (57)	Trowel over primed surface
Textured surface/finish coat, 2nd coat	"	275 (25.5)	317 (30)	Trowel over first coat
Rough concrete/base finish, 1st coat	"	500 (46.4)	575 (54)	Trowel over primed surface
Rough concrete/finish coat, 2nd coat	"	250 (23.2)	288 (27)	Trowel over first coat
<b>Grassello</b>				
Smooth drywall/finish coat, 1st coat	44 lb (20kg)	750 (69.6)	863 (81)	Trowel over primed surface
Smooth drywall/finish coat, 2nd coat	"	850 (78.9)	978 (91)	Trowel over 1st coat
Smooth drywall/finish coat, 3rd coat		1000 (92.9)	1150 (107)	Trowel over 2nd coat
<b>Marmorino Specialty:</b>				
Coral, Sahara, Ravina, Rasatura	55 lb (25kg)	See Marmorino Berlina		
<b>Specialty Metallics, Milano Gold/Siver/Bronze</b>				
Gold, Silver and Bronze Metallic Plaster	44 lb (20kg)	See Grassello		

level of 5' - 6' (1.5- 1.8 m) above the floor level to prevent advanced levels of aging. Consult the manufacturer for suggestions and recommended procedures.

#### Yield

See Table 2.

#### Sealing

Allow at least 48 hours for the plaster substrate to dry before applying any type of material over the finished plaster. For exterior sealers, it is recommended that a penetrating sealer be applied to protect the exterior finish

from exposure to weather, dirt, high degree of sun exposure and natural elements. Allow the first coat to dry completely before applying the second coat. After application, promptly wipe the surface to remove any excess sealer. Sealers able to tolerate a level pH 13, such as masonry sealers. Please consult with FirmoLux for sealer recommendations.

#### Cleaning

Remove masking and any temporary protective enclosure. Promptly remove plaster from door frames, windows and other surfaces where the finish was not



intended. Repair floors, walls and other surfaces stained, marred or otherwise damaged during plastering.

#### **BUILDING CODES**

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

#### **6. Availability & Cost**

FirmoLux Authentic Italian lime plasters are available through FirmoLux, LLC, and authorized distributors. Contact FirmoLux, LLC, or visit the [www.VenetianPlaster.it](http://www.VenetianPlaster.it) website for information.

#### **7. Warranty**

Upon written request, FirmoLux, LLC, provides a 5 year limited warranty against defective material. FirmoLux, LLC, does not warranty workmanship unless performed by a certified manufacturer-approved installer following all recommended conditions and procedures. Warranty on workmanship is void where problems originate from the substrate or substrate material or for circumstances beyond control, including nature, war or civil unrest.

#### **8. Maintenance**

FirmoLux Authentic Venetian Plasters require no special maintenance. Guides for routine maintenance are provided with the product.

#### **9. Technical Services**

Contact FirmoLux, LLC, or visit the [www.VenetianPlaster.it](http://www.VenetianPlaster.it) website for technical assistance, including more detailed product information, literature, test results and assistance with project specifications.

#### **10. Filing Systems**

- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.

