

## Safety Data Sheet

### **Product: ITALIAN PLASTERS SDS**

#### 1. PRODUCT IDENTIFICATION

<i>Trading name</i>	<i>Color</i>
<b>MARMORINO VENEZIANO CLASSIC</b>	white
<b>MARMORINO VENEZIANO CARRARA</b>	white
<b>MARMORINO VENEZIANO BOTTACHINO</b>	white
<b>ROMA TRAVERTINO</b>	white
<b>INTONACHINO XFINE/FINE/ MEDIUM/COARSE</b>	white

Type of product and use: slaked lime and powdered lime putty-knife rendered wall coating

<b>IMPORTER</b>
Protek Paint Ltd Toronto Canada 1 800 773 5233 416 410 3244

#### 2. Composition

Hazardous substances in compliance with Directive 67/578/EEC as amended, or for which there are exposure limits:

- Slaked lime - Calcium hydroxide 22 ÷ 27 %
  - Xi            Irritant
  - R41           Risk of serious damage to eyes
  - R36/38       Irritating to eyes and skin

#### 3. Identification of hazards

No specific hazard exists in use.

If in contact with eyes, the product causes considerable irritation that can last for more than 24 hours.

It causes serious ocular damages, such as cornea mat and iridium injury.

#### 4. first-aid measures

Contact with skin: Remove contaminated garments.  
Rinse thoroughly with plenty of water and soap.

Contact with eyes: Rinse immediately with plenty of running water, with eyelids open, for at least 10 minutes.  
Seek medical advice if necessary.  
Do not use eye drops or any kind of lotion unless prescribed by a specialist.

Swallowing: Seek medical advice.

#### 5. fire-prevention measures

Water based non-flammable product.

### 6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precautions: Wear protective garments, gloves and glasses.

Environmental precautions: Limit leaks with soil, sand and sawdust.  
Notify to the competent authorities if the product has run into a watercourse, into the drainage system or has contaminated the soil or vegetation.

Cleaning methods: Collect as much product as possible; possibly absorb the residue with inert material.  
Wash the area with water. Remove everything in compliance with the relevant regulation.

### 7. HANDLING AND STORAGE

Handling precautions: Avoid contact with skin. Do not eat or drink during

Incompatible materials: none in particular.

Storage condition; Keep the containers properly closed, in suitable space at a temperature between +5°C and +30°C.

### 8. INDIVIDUAL CONTROL

Precautionary measures: Do not eat or drink during work, wash hands at every break and at end of work.

Breathing protection: No safety measures for normal use.

Protection of hands: Protective gloves.

Protection of eyes: Safety glasses.

Protection of skin: No safety measures for normal use.  
Exposure limits: No safety measures for normal use.

## 9. CHEMICAL/PHISICAL CHARACTERISTICS OF THE PRODUCT

Physical state: Very dense paste or powder  
Colour: White.  
Odour: Weak.  
pH value: 12,5 ± 0,20.  
Freezing point: 0°C.  
Boiling point: 100°C / 212°F.  
Flash point: Non applicable - Non flammable.  
Water solubility: Dispersible.  
Specific weight: varies

## 10. STABILITY AND REACTIVITY

Condition to be avoided: None in particular. Stable in normal conditions.  
Substances to be avoided: None in particular.  
Hazards from decomposition: None.

## 11. TOXICOLOGY

Specific toxicological information not available  
Frequent and prolonged contact causes irritation of skin and eyes.

## 12. ECOLOGICAL

Do not disperse the product in the environment  
Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

## 13. DISPOSAL

Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current regulations, as per Leg. Decree 22 dated 5/2/97.

## 14. TRANSPORT

By road non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.)  
By rail non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)  
By sea non-hazardous material, non-flammable non-explosive, not subject to regulation (IMDG Code)

By air non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA)

## 15. REGULATIONS

In conformity with the provisions of Leg Decree 03/65 and Directive 99/45 EC the product is labelled as follows:

<b>Symbols</b>	Xi	Irritant
<b>Phrases R</b>	R36/38 R41	Irritating to eyes and skin Risk of serious damage to eyes
<b>Phrases S</b>	S2 S24/25 S2	Keep out of the reach of children Avoid contact with skin and eyes In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
<b>Contains</b>	Calcium hydroxide 22 ÷ 27 %	

Where applicable, refer to the following regulations:

P.D. 303/56 Health controls  
Leg. Decree 626/94 Safety and health of workers

## 16. OTHER INFORMATION

Data supplied in conformity with:

Directive 99/45 EC as amended;  
Directive 67/548 EEC as amended and updated  
Directive 91/155 CEE as amended and updated

The information contained herein is based on our knowledge at the date given below, refers only to the product indicated and does not represent a guarantee of particular qualities.

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The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

## Material Safety Data Sheet

Product: NATURAL BEES' WAX MSDS

### 1. Identification

<b>PRODUCT</b>	
<b>TRADING NAME:</b>	<b>Colour:</b>
<b>CERA NATURALE - NATURAL WAX</b>	<b>Neutral white</b>

Type of product and use protector for lime based surface finishing Hardener.

<b>PRODUCER</b>
Data regarding the producer Italy

### 2. Composition

Hazardous substances in compliance with Directive 67/578/EEC as amended Exposure limits: None

Composition: AMMONIUMHYDROGEN CARBONATE E 503  
 KALIUM CARBONATE E 501  
 BEE'S WAX  
 MONOETANOLAMIN 99%  
 METILPARABEN= HYDROXIBENZOIC ACID  
 OCTADECANOIC ACID, CALCIUM SALT (CAS n. 1592-23-0)  
 FATTY ACID, C16-18, CALCIUM SALT (CAS 85251-74-4)  
 PALM OIL  
 WATER

### 3. Identification of hazards

No specific hazard in normal use.

### 4. first-aid measures

Contact with skin    Remove contaminated garments.  
                                   Rinse thoroughly with plenty of water and soap.

Contact with eyes Wash immediately with plenty of running water, with eyelids open, for at least 10 minutes see a doctor if necessary. Do not use eye drops or any kind of lotion unless prescribed by the doctor.

Swallowing: See a doctor.

## 5. fire-prevention measures

Water based non-flammable product.

## 6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precaution:	Wear protective garments, gloves and glasses.
Environmental precautions:	Limit leaks with soil, sand and sawdust. Notify to the competent authorities if the product has run into a watercourse, into the drainage system or has contaminated the soil or vegetation.
Cleaning methods	Collect as much product as possible; possibly absorb the residue with inert material. Wash the area with water. Remove everything in compliance with the relevant regulation.

## 7. HANDLING AND STORAGE

Handling precautions	Avoid contact. Do not eat or drink during
Incompatible materials	None in particular.
Storage condition	Keep the containers properly closed, in suitable space at a temperature between +5°C and +30°C.

## 8. INDIVIDUAL CONTROL

Precautionary measures	Do not eat or drink during work, wash hands at every break and at end of work.
Breathing protection	No safety measures for normal use.
Protection of hands	Protective gloves.
Protection of eyes	Safety glasses.
Protection of skin	No safety measures for normal use.
Exposure limits:	No safety measures for normal use.

## 9. CHEMICAL/PHYSICAL CHARACTERISTICS OF THE PRODUCT

Physical state	Dense liquid.
Colour	Neutral white.
Odour	Scent of pine and light ammonia.
pH value	11,5 ± 0,50.
Freezing point	0°C.
Boiling point	100°C / 212°F.
Flash point	Non applicable - Non flammable.

Water solubility                      Dispersible.  
Specific weight                      1,0 ± 0,05 Kg/l at 20° C.

#### 10. STABILITY AND REACTIVITY

Condition to be avoided              None in particular. Stable in normal conditions.  
Substances to be avoided            None in particular.  
Hazards from decomposition        None.

#### 11. Toxicological information

Specific toxicological information not available.  
Frequent and prolonged contact causes irritation of skin and eyes.

#### 12. Ecological information

Do not disperse the product in the environment.  
Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

#### 13. Information on disposal

Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current regulations, as per Leg. Decree 22 dated 5/2/97.

#### 14. Transport

By road            non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.).  
By rail            non-hazardous material, non-flammable non-explosive, not subject to regulation (RID).  
By sea            non-hazardous material, non-flammable non-explosive, not subject to regulation (IMDG Code).  
By air            non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA).

#### 15. Regulations

Conforms to the provisions of Leg. Decree 03/65 and Directive 99/45 EC the product is labelled as follows:

**Symbols**        **None labelling obligation**

**Phrases R**      **None**

**Phrases S**      **S2**                      keep out of reach of children  
                         **S24/25**                avoid contact with eyes and skin  
                         **S26**                      in case of contact with eyes, wash immediately with plenty of water and see a doctor

Where applicable, refer to the following regulations: P.D. 303/56 (health controls) Leg. Decree 626/94 (safety and health of workers).

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## Data Sheet Beeswax

### **Composition:**

Bees' wax, natural soap, vegetable oils, water, other components (less than 0.2 %.)

Ready to use.

### **Packaging:**

2 liter/ 0.52 US Gallon in polyethylene containers

### **Theoretical yield:**

U.S.: Approximately 300 – 500 square feet per 2 liter container

### **Why you should use Natural Bee's Wax:**

There are several reasons for applying Natural Wax: to protect or make Venetian stucco waterproof and shinier; to obtain a different effect or change the shade of the stucco finish; and to protect or obtain special effects with Velvet Marmorino or Intonachino.

Its principal characteristic is that it doesn't change the look of lime-based finishes while offering a protective barrier against water and dirt. It is breathable on lime-based products, giving a light protection against water penetration while allowing vapor transpiration.

The main benefits of using Natural Wax are that it doesn't alter the appearance of lime-based finishes and offers a protective barrier against water and dirt while allowing the walls to breathe. It is for interior use.

### **How to apply Natural Bee's Wax**

Tools necessary for application: Sponge, TNT soft cloth.

#### **GLOSSY FINISH:**

- The Marmorino Classic or Marmorino Carrara must be completely dry for at least 24 hours.
- Treat surfaces no larger than a half a square meter (five square feet) at a time. Apply the wax thickly with a soft sponge going over the same spot two times. Before it dries, remove the excess wax with a TNT soft cloth and then rub to a shine.
- To obtain the deepest shine, go over the surface again several hours later with wool pads using an electric polisher.
- On large walls, to make the application faster and more efficient, it is advisable to work with two people – one to apply the wax and the other to remove the excess.

#### **ROUGH FINISH:**

- Marmorino Velvet or Intonachino – Apply with a brush and spread it around quickly with a clean sponge float. On dark colors, it is advisable to color the wax with the same colorant used to color the plaster because the wax itself is light and its residues might be visible between the rough areas of the plaster.

-This wax can be colored to achieve any special effect such as veiled or antiqued Velvet Marmorino.

It can be diluted to have less shine or to increase the speed of application.



To lighten the Marmorino, it can be colored with our White Dye Powder.

## Data Natural Marseille Soap

**Back**

This is a 100% natural product. It comes in a semi-transparent, white gel. The soap acts as a protective barrier against water and dirt. It is a unique traditional protection for Marmorino which has been applied on exterior surfaces. Today synthetic waterproofing products are also used.

Composition: Water, pure Marseille Soap and vegetable oils

A semi-transparent/white, non-flammable, thick paste

### Packaging

- 2.0 kg / 4.41 lbs net weight, delivered in a polyethylene container
- Shelf live 24 months
- Product maintains its characteristics best if protected from extreme heat or cold

Safety Guidelines In case of contact with eyes rinse with water. Keep out of reach of children. Product must be disposed of according to norms and regulations in force.

### Theoretical yield

- 30–50 gram / m<sup>2</sup> if used in paste
- 5–10 gram / m<sup>2</sup> if used diluted

It is a unique traditional protection for Marmorino which has been applied on exterior surfaces. Today synthetic waterproofing products are also used.

Let the Marmorino dry at least 12 hours before applying the soap.

There are two different ways to apply the soap:

1. It can be applied, as is, using a metal trowel, spreading it thickly until the Marmorino stops absorbing it. As soon as it dries, remove the excess soap with a soft cloth.
2. It can be diluted 1:3 or 1:4 with water, then applied using a brush or a spray bottle and spreading it thickly and evenly with a metal trowel over the entire surface area. Once it has dried, remove excess with a soft cloth.

## Safety Data Sheet

Product: NATURAL MARSEILLE SOAP MSDS

## 1. Identification

<b>PRODUCT</b>	
<b>TRADING NAME:</b>	<b>Colour:</b>
<b>NATURAL SOAP</b>	<b>Neutral white</b>

Type of product and use protector for lime based surface finishing Hardener.

<b>PRODUCER</b>
Data regarding the producer  Italy

## 2. Composition

Hazardous substances in compliance with Directive 67/578/EEC as amended Exposure limits: None

Composition: Water, pure Marseille Soap and vegetable oils

## 3. Identification of hazards

No specific hazard in normal use.

## 4. first-aid measures

Contact with skin    Remove contaminated garments.  
Rinse thoroughly with plenty of water and soap.

Contact with eyes    Wash immediately with plenty of running water, with eyelids open, for at least 10 minutes see a doctor if necessary. Do not use eye drops or any kind of lotion unless prescribed by the doctor.

Swallowing:    See a doctor.

## 5. fire-prevention measures

Water based non-flammable product.

## 6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precaution:    Wear protective garments, gloves and glasses.

Environmental precautions: Limit leaks with soil, sand and sawdust.

Notify to the competent authorities if the product has run into a watercourse, into the drainage system or has contaminated the soil or vegetation.

Cleaning methods	Collect as much product as possible; possibly absorb the residue with inert material. Wash the area with water. Remove everything in compliance with the relevant regulation.
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## 7. HANDLING AND STORAGE

Handling precautions	Avoid contact. Do not eat or drink during
Incompatible materials	None in particular.
Storage condition	Keep the containers properly closed, in suitable space at a temperature between +5°C and +30°C.

## 8. INDIVIDUAL CONTROL

Precautionary measures	Do not eat or drink during work, wash hands at every break and at end of work.
Breathing protection	No safety measures for normal use.
Protection of hands	Protective gloves.
Protection of eyes	Safety glasses.
Protection of skin	No safety measures for normal use.
Exposure limits:	No safety measures for normal use.

## 9. CHEMICAL/PHYSICAL CHARACTERISTICS OF THE PRODUCT

Physical state	Dense paste.
Colour	Neutral white.
Odour	Soap.
pH value	11,5 ± 0,50.
Freezing point	0°C.
Boiling point	100°C / 212°F.
Flash point	Non applicable - Non flammable.
Water solubility	Dispersible.
Specific weight	1,0 ± 0,05 Kg/l at 20° C.

## 10. STABILITY AND REACTIVITY

Condition to be avoided	None in particular. Stable in normal conditions.
Substances to be avoided	None in particular.
Hazards from decomposition	None.

## 11. Toxicological information

Specific toxicological information not available.  
Frequent and prolonged contact causes irritation of skin and eyes.

## 12. Ecological information

Do not disperse the product in the environment.

Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

### 13. Information on disposal

Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current regulations, as per Leg. Decree 22 dated 5/2/97.

### 14. Transport

By road non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.).

By rail non-hazardous material, non-flammable non-explosive, not subject to regulation (RID).

By sea non-hazardous material, non-flammable non-explosive, not subject to regulation (IMDG Code).

By air non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA).

### 15. Regulations

Conforms to the provisions of Leg. Decree 03/65 and Directive 99/45 EC the product is labelled as follows:

**Symbols** None labelling obligation

**Phrases R** None

<b>Phrases S</b>	<b>S2</b>	keep out of reach of children
	<b>S24/25</b>	avoid contact with eyes and skin
	<b>S26</b>	in case of contact with eyes, wash immediately with plenty of water and see a doctor

Where applicable, refer to the following regulations: P.D. 303/56 (health controls) Leg. Decree 626/94 (safety and health of workers).

### 16. Information

Data supplied in conformity with:

Directive 99/45 EC as amended;

Directive 67/548 EEC as amended and updated;

Directive 91/155 CEE as amended and updated.

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SAFETY DATA SHEET

## Product **TADELAKT MSDS**

### 1. IDENTIFICATION

PRODUCTS	
<i>Trading name</i>	<i>Color</i>
<b>TADELAKT</b>	white

Type of product and use: Hydrated and hydraulic lime based wall coating

PRODUCER	
Producer's data:	Veneto Italy
Importer Protek Paint Canada	

### 2. Composition

Lime (Hydrated lime and Hydraulic lime) Mg silicate and aluminate Calcium Carbonate, Marble powder Dolomite Dry Acrylic binder Cellulose

### 3. Identification of hazards

No specific hazard exists in use and not chronic effects determined.

If in contact with eyes, the product causes considerable irritation that can last for more than 24 hours.

It causes serious ocular damages, such as cornea mat and iridium injury.

If breathed it causes considerable irritation to respiratory organs that can last for more than 24 hours.

If swallowed may cause gastrointestinal irritation.

### 4. first-aid measures

Contact with skin: Remove contaminated garments.  
Rinse thoroughly with plenty of water and soap.

Contact with eyes: Rinse immediately with plenty of running water, with eyelids open, for at least 10 minutes.  
Seek medical advice if necessary.  
Do not use eye drops or any kind of lotion unless prescribed by a specialist.

Swallowing: Seek medical advice.

Inhalation: Move the person to fresh air. If breathing is difficult give oxygen in critical situations, administer artificial respiration. Seek medical advice.

### 5. fire-prevention measures

Auto-ignition Temperature N/A *Non-flammable product*

Flammability Limits (vol/vol %) Lower N/A Upper N/A

Appropriate extinguishing media must be used to surrounding fire  
Fire fighters have to use self-contained breathing apparatus  
High temperature and fire may cause production of toxic fumes

## 6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precautions Wear protective garments, gloves, glasses and dust mask.

Environmental precautions Limit leaks with soil, sand and sawdust.  
Notify to the competent authorities if the product has run into a watercourse, into the drainage system or has contaminated the soil or vegetation.

Cleaning methods Collect as much product as possible; absorb the residue with inert material.  
Wash the area with water. Remove everything in compliance with the relevant regulation.

## 7. HANDLING AND STORAGE

Handling precautions: Avoid contact. Do not eat or drink during handling. Use with adequate ventilation

Incompatible materials: None in particular.

Storage condition Keep the containers properly closed, in suitable dry space at a temperature between -15°C and +30°C.

## 8. INDIVIDUAL CONTROL

Precautionary measures do not eat or drink while work, wash hands at end of work. Use with adequate ventilation.

Breathing protection: NIOSH/MSA approved respirator when using. OSHA Regulation in European standard EN149 or US STN 29CFR 1910.134

Protection of hands: Protective gloves.

Protection of eyes: Safety glasses with side shields.

Protection of skin No safety measures for normal use.

Exposure limits: No safety measures for normal use.

## 9. CHEMICAL/PHISICAL CHARACTERISTICS OF THE PRODUCT

Physical state: Powder.

Colour : White.

Odour: Weak.

pH value: 12,5 ± 0,20.

Freezing point: 0°C. 32°F after mixed with water.

Boiling point: 98°C / 208°F after mixed with water.

Flash point: Non applicable - Non flammable.

Water solubility: Dispersible Insoluble.

Specific weight; 1,20 ± 0,05 Kg/l at 20° C.

## 10. STABILITY AND REACTIVITY

Condition to be avoided: None in particular.  
Substances to be avoided: None in particular.  
Hazards from decomposition: None.

## 11. Toxicological information

Specific toxicological information not available  
Frequent and prolonged contact causes irritation of skin, respiratory organs and eyes.  
Carcinogenetic ND  
Chronic Toxicity ND

## 12. Ecological information

Do not disperse the product in the environment.  
Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

## 13. Information on disposal

Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current regulations, ( EU: as per Leg. Decree 22 dated 5/2/97).

### 14. Information on transport

By road non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.)  
By rail non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)  
By sea non-hazardous material, non-flammable non-explosive, not subject to regulation (IMDG Code)  
By air non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA)

US Department of Transportation: Proper shipping name: none

Hazard Class : none

ID Number: none

Packaging Group: none

## 15. Regulations

Conforms to the provisions: Decree 03/65 and Directive 99/45 EC the product is labelled as follows:

**Symbols;** Xi Irritant

**Phrases R:** R36/38 Irritant to eyes skin and respiratory organs  
R41 Risk of serious damage to eyes

**Phrases S:** S2 Keep out of the reach of children  
S24/25 Avoid contact with skin, breathing organs and eyes  
S2 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Where applicable, refer to the following regulations:

P.D. 303/56 Health controls

Leg. Decree 626/94 Safety and health of workers

For US

Federal Regulation: SARA Title 3 Hazard Classes: No fire hazard, No Release of Pressure, No reactive Hazard, No Acute Health Hazard, No Chronic Health Hazard

SARA: None

TSCA: The components are listed on the TSCA inventory

## 16. Information

Data supplied in conformity with:

Directive: 99/45 EC as amended;

Directive: 67/548 EEC as amended and updated;

Directive: 91/155 CEE as amended and updated.

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The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

This card cancels and replaces all previous editions.

Key Legend Information/:

N/A Not Applicable

ND Not Determined

OSHA Occupational Safety and Health Administration

Aug 2012 End

SECTION 092523

## SPECIFICATION EXTERIOR LIME BASED PLASTERING

PART 1 – GENERAL

1.1 SUMMARY

- A. Section includes: The application of Lime Based Plaster Finish over substrate materials.

1.2 RELATED SECTIONS:



- A. Division 9 Section interior application "Plaster and Gypsum Board" for substrate.

### 1.3 REFERENCES

- A. ASTM International standards for brown coat applications
  1. ASTM C926 Standard Specification for Application of Portland Cement-Based Plaster.
  2. The national standard for traditional stucco application can be found in ASTM C 926. This standard defines the requirements for mix portions, application and curing. In wood frame construction a typical application consists of three coats. The first is a scratch coat followed by a brown coat and then a finish coat for a total thickness of 7/8-inch. It should be noted that the 2003 International Residential Code requires a minimum thickness of 3/4-inch.
  3. The building code recognizes alternative methods and materials for various applications follow the manufacturers recommendations.

### 1.4 SUBMITTALS

- A. Make submittals in accordance with Section 013300.
- B. Product Data: Submit 2 copies of manufacturer's spec data sheets and directions for installation of specified products and systems.
- C. Samples: 2 minimum 24" x 10" gypsum board panels, with finish applied as specified; representative of texture, colors, and sheen proposed for the work.  
Protect sample and retain to use as basis for approval of completed work.
- D. Shop Drawings: Indicate designs, colors, locations, and relationships to adjoining surfaces.
- E. Quality Assurance: Certificate issued by distributor indicating that installer has attended training classes and is authorized to install specified product.
- F. Closeout Submittals: Reference Section 017800-Closeout Submittals; submit following items:
  4. Maintenance, cleaning and care instructions.
  5. Product Data: Submit two copies of Manufacturer's product data for finishes, and other materials provided under this section.
  6. Shop Drawings: Indicate designs, color, locations, and relationships to adjoining surfaces.

## 1.5 QUALITY ASSURANCE

- A. authorized Distributors
- B. Installer Qualifications: Company specializing in performing work of this section.
  - 1. Minimum three years experience in the installation of projects of similar scope.
  - 2. Installer shall be subject to prior approval by the Architect.
  - 3. Shall have qualified and properly trained people to perform work.
  - 4. Source Limitations: Obtain lime based plaster from a single source with traceable tint/lot record. Mechanically mix lime based plaster according to manufacturers written recommendations, as approved in mock-ups.
- C. Mock-up
  - 1. In locations as approved by the Architect, apply Lime Based plaster finish System to minimum \_\_\_\_ square feet of wall area for each color and finish combination required for the project.  
[SPECIFIER ADD SQUARE FEET REQUIRED FOR MOCK-UP]
  - 2. Mock-ups may be used in the Finish work if undisturbed at time of completion.
- D. Pre-Installation Conference:
  - 1. Schedule and administer a meeting to review and discuss the installation a minimum of one week prior to commencement of work of this Section.
  - 2. Attendance: Representatives of Owner, Architect, General Contractor and Sub contractor.
  - 3. Agenda: Include acceptance of substrate, preparation procedures, installation scheduling and procedures, scaffolding, masking and protection of adjacent work, mock-up review, coordination, temporary protection of work during installation, criteria for acceptance of work, and cleaning procedures.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the construction site in their original packaging with manufacturer's label identifying manufacturer and their product; color designation; lot number; and date of manufacture.

- B. Inspect materials upon delivery and immediately report to Architect and Distributor damaged or defective material.
- C. Store Materials in well ventilated, dry and protected area and where minimum storage temperature is no less than 40 degrees F.

## 1.7 WARRANTY

- A. Project Warranty: Refer to contract conditions and Section [01 78 36 – Warranties] for project warranty provisions.
- B. Manufacturer's Warranty: Submit for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of other rights the Owner may have under the Contract Documents.

## 1.8 ENVIRONMENTAL CONDITIONS

- A. Maintain a uniform temperature of not less than 40 degrees F, and not more than 80 degrees F inside the structure for not less than 48 hours prior to application, while the plastering is being done, and for a period of at least 96 hours after the plaster is dry. Distribute supplemental heat evenly.
- B. Illumination: Minimum 50 foot candles in areas where plastering work is in progress.

## PART 2 – PRODUCTS

### 2.1 PLASTER

- A. Acceptable Manufacturer: Product: Carrara fine & coarse Intonachino x fine/fine/medium/coarse
  - 1. No substitutions allowed.

### 2.2 COLORING

- A. Colorants: High quality, fade resistant, low VOC universal colorants.

### 2.3 MIXING

- A. Mix materials to assure colorants are uniformly dispersed.

## 2.4 ACCESSORIES

- A. Primer: For interior applications: Texprime, a water-based primer formulated with acrylic copolymers which will react to direct contact with the high alkalinity of new lime plaster.

## 2.5 TOOLS

- A. Use stainless steel trowels (INOX) of types recommended by manufacturer to produce intended results.

## PART – 3 EXECUTION

### 3.1 EXAMINATION

SUBSTRATE SURFACE CONDITIONS ARE CRITICAL TO SUCCESSFUL APPLICATION OF MARMORINO AND INTONACHINO VENETIAN PLASTERS.

COORDINATE WITH OTHER SECTIONS TO PROVIDE SUBSTRATES TRUE TO PLANE WITHIN 1/8 INCH (3 MM) IN 10 FEET (3 M) IN ANY DIRECTION AND TO WITHIN 1/16 INCH (1.6 MM) IN 10 FEET (3 M) IN CRITICAL LIGHTING AREAS.

COORDINATE WITH APPROPRIATE SUBSTRATE SECTION FOR PREPARATION OF SURFACES TO ENSURE THAT HOLES AND CRACKS ARE PATCHED AND THAT JOINTS, FORM LINES, AND OTHER IMPERFECTIONS ARE SMOOTH.

GYPSUM BOARD SURFACES SHOULD BE FINISHED TO MINIMUM "LEVEL 4" AND TO "LEVEL 5" IN CRITICAL LIGHTING AREAS (SEE GYPSUM ASSOCIATION PUBLICATION GA-214).

COORDINATE WITH PAINTING SECTION TO APPLY RECOMENDED HIGH QUALITY WATER BASED PRIMER TO ALL SUBSTRATES SCHEDULED TO RECEIVE MARMORINO VENETIAN PLASTER.

FERROUS SURFACES SHOULD BE PRE-PRIMED WITH A RUST-INHIBITIVE PRIMER. PREVIOUSLY PAINTED SURFACES SHOULD BE WASHED WITH SOAP AND WATER, SANDED LIGHTLY, THEN PRIMED.]

- A. Examine substrates upon which Marmorino & Intonachino Plaster will be applied.
  - 1. Verify that substrate surfaces are true to plane within 1/8 inch (3 mm) in 10 feet (3 m) in any direction and to within 1/16 inch (1.6 mm) in 10 feet (3 m) in critical lighting areas.

2. Verify that substrate surfaces have been primed with water-based primer and are acceptable for application of Marmorino & Intonachino Plaster.
- B. Notify the Architect in writing of conditions detrimental to the proper and timely completion of the work.
- C. Do not begin installation until all unsatisfactory conditions are resolved. Beginning work constitutes acceptance of site conditions and responsibility for defective installation caused by prior observable conditions.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions for substrate preparation.
- B. Protect adjacent surface and items that are not to receive plaster finish.

### 3.3 APPLICATION

- A. Prime Coat: Where recommended by manufacturer, apply prime coat. Allow to dry.
- B. Bond: Where recommended by the manufacturer, mix and apply Key-coat in accordance with manufacturer's instructions. Allow to dry.
- C. Finish: Apply finish coats as recommended by manufacturer to achieve desired results. Number of coats and total dry mil thickness shall be as recommended by manufacturer for the specific finish.

### 3.4 SEALING

- A. Allow 48 hours for plaster substrate to dry before applying sealer.
- B. Sealers: Apply protective treatment over mineral plasters or where recommended by manufacturer, using the type of sealer recommended. In most cases it will be a Siloxane or natural soap/ wax based sealer.
- C. Apply two coats. Allow first coat to dry before applying second coat. Promptly after application of coat, wipe surface to remove excess sealer.

### 3.5 CLEANING

- A. Remove masking.

- B. Adjacent Surfaces: Remove plaster splatters using methods which will not damage surfaces.

### 3.6 PROTECTION

- A. Protect finishes as required to assure that they will be without damage at completion.
- B. Repair damage in accordance with manufacturer's instructions and to satisfaction of Architect.

END OF SECTION

[See colour catalogue](#)

## Colour System

The Colour System consists of a colour catalogue, software, and ten base colorants. The colour catalogue contains A4-sized images of Fine Marmorino finished in each colour. The software, designed for Windows, is easy to use. You can get the correct formula by simply inserting the colour of your choice, the type of material from our list of products and the quantity you wish to colour. The formula is expressed both in terms of volume (in millilitres for use with a syringe) and in terms of weight (in grams to weigh on scales which can measure to the tenth of a gram). The formula can be modified according to your needs, for instance, by indicating a percentage more or less to get a darker or lighter colour. The formula can also be changed by increasing or decreasing a certain colour. Each formula, including those changed, can be saved with your customer's name and kept for later use. You can even create your own colour formulas.

The plan is to create new colours each year which will be made available to you through our newsletter. In addition, when we come up with a new material, the Colour System will be updated online and you will be the first to know through our newsletter.

These are the advantages of the new Colour System:

1. You can colour your material easily with tinting machine, gram scales or with a syringe.
2. You can colour any of our products.
3. You can modify the colours easily; for example, you can make a colour 10% darker or lighter, or a beige colour containing 5% more or less red, etc.
4. With the software program, you can save the formula for the colour you created by creating a file with the name of the customer, the date, etc. so that even years later you can make that exact colour again.
5. It is important as a professional to be able to make any colour you or your customer wants. And with Colour System you can easily learn how you to do just that.
6. You save money because our pigments, since they are base dyes, cost much less than those in any other colouring system.
7. Your material will be of higher quality. With our old system, like it is for other colouring systems, for example, in order to add 50 grams of pigment to the material, you would have had to pour in 200 grams of liquid, 150 of which would have been glycol, an extender added to keep the liquid dye from drying out. But with the new system, you get just pure pigment.
8. With this system you will always be able to get the same colour, even years later since we always use the same pigments or colouring powders in our dyes.

This system will allow us to introduce new colours for you to use every year. Our plan is to create a colour chart with more than 100 colours with all the formulas available in the software. The software will be installed on your computer, and you will receive yearly updates which will include any new formulas. We will also send you pages with these new available colours. In addition we want to get all the RAL colors formulas into our system

## Marmorino Carrara, Velvet & Coarse data sheet

### Description

This finish the look is smooth with a degree of luster depending on the burnishing and waxing. Marmorino Carrara is suitable for both interior and exterior surfaces in most climates. Marmorino can be coated with silane masonry sealer.

### Composition

Slaked lime: marble powder in grains and additives.

### Packaging

24 kg. net polyethylene containers

6kg. net polyethylene containers

The product is white and can be tinted

### Theoretical yield

Full 2.5 coat cycle for polished Carrara finish:

Metric approximately 1300-1800 grams per square meter i.e. 13-18 square meters per 24 kg bucket.

U.S. Approximately 150-200 square feet per 24 kg bucket.

Step by step coverage:

#### 1st coat

Metric approximately 800-1000 grams per square meter i.e. 24-30 square meters per 24 kg bucket.

U.S. Approximately 260-320 square feet per 24 kg bucket.

There is generally no need to color the material for the first coat

#### 2nd Coat – Step One

Metric approximately 400-600 grams per square meter i.e. 40-60 square meters per 24 kg bucket.

U.S. Approximately 430-650 square feet per 24 kg bucket.

#### 2nd Coat – Step Two (Polishing Coat)

Metric approximately 100-200 grams per square meter i.e. 120-240 square meters per 24 kg bucket.

U.S.: Approximately 1200-2400 square feet per 24 kg bucket.

\*Use theoretical yields as a guide only – actual spread rates will vary depending on surface conditions and application techniques.

### Preparation

New plaster lime based No priming necessary

Gypsum board one coat of Primer Texprime

Plasterboard one coat of Primer Texprime

Medium density MDF one coat of Primer Texprime

Old plaster Brush down thoroughly and one coat of primer Texturline Texprime

Limewash Brush down thoroughly and one coat of Texprime lime tolerant primer  
Texturline

Polished lime finish Brush down thoroughly and sandpaper and one coat of Primer  
Texprime Texturline

Washable paint one coat of Texprime



## **How to apply Marmorino Carrara & Coarse**

**Tools necessary for application:** Big trowel, medium size good trowel, plastic trowel, soft cloth.

**Before application:**

**Protection of the work area:**

Mask around baseboards, doors and windows before starting the work. The first coat applied can be either white or colored plaster.

Don't apply in temperatures below 5°C (41°F).

**Remember to have a strong light parallel to the wall:** situated on one of the two sides of the wall you are working on (usually on the same side other sources of light come from the windows). In this way the shadow of the trowel allows you to see the actual condition of the finish. Every so often, during the second and third coat, the light should be moved so that the wall doesn't dry out too much in one spot from the heat of the lamp.

**The first coat is applied with a metal trowel using visible strokes**, which will be the underlying base for the final coats. This coat is applied thickly, using about 950/ 1000 grams of material per square meter. The aim in laying the first coat is to obtain a thick, absorbent layer on which to spread the successive coats.

**During all the application of the three coats keep a strong light parallel to the wall.** To avoid problems removing the masking tape at the end of the job, it is best to replace all the tape when the first coat is almost or completely dry.

**When the first coat has completely dried, normally by the next day, the second coat is carefully applied with a large metal trowel** using 750 / 800 grams per square meter. Always keep in mind that the aim of this coat is to lay the smoothest and most uniform surface possible, being careful to avoid the creation of shiny areas. Since shiny areas can cause problems when applying the successive coats, it is necessary to work with a light touch, without pressing too hard; maintain a 40° angle with the blade of the trowel. If a single second coat does not succeed in obtaining a smooth, even surface, you should apply another coat before the second coat begins to dry. We suggest applying this additional second coat especially when the desired finish is to have little or no texture or when you want to achieve a superior quality job.

**As soon as the second coat begins to dry you can apply** (wet into wet, so that the granules of marble can penetrate into the previously applied coat) the last one in very thin layer (80–100 grams per m<sup>2</sup>) to small areas (maximum one m<sup>2</sup>) with a large, or better yet, medium-sized metal trowel. Normally, you should start high on the wall (on either the right- preferred by left handed- or the left side –preferred by right-hand people- of the wall) swiping on one trowel application after another; each time, the trowel swipe should be in a different direction than the previous one so that you obtain a harmonious design. At the beginning of each swipe, the blade of the trowel should be at a 30–35° angle to the wall moving toward the plaster you have already laid.