



NATURAL COMMERCIAL VENEER PLASTER





Enjarre (*pronounced n-har-ray*) is a revolutionary single coat, all natural, interior plaster. It is color intrinsic, sprayable, cost effective and beautiful beyond compare. Enjarre is over 70% recycled, zero VOC, and is completely reusable, just add water and bring it to a freshly mixed state.

Enjarre is poised to compete with conventional texture and paint over a level I drywall.

- Cost can be competitive or only about 10% more than conventional texture and paint. For a smooth finish, cost is about the same.
- Application process is faster than texture and paint—shortening project time
- Visual depth and character much better than texture and paint.
- Non-toxic, environmentally friendly, re-usable, biodegradable, breathable, mold resistant, non-combustible, odor absorbing, non-fading, sound absorbing negative ion generating, humidity buffering.
- Easy to maintain.
- Zero VOC.
- Can contribute up to 7 LEED credits (5 in most areas).

Enjarre is available in 8 standard colors and can be matched to any of the standard Loma colors by adding 1 ¼ American Clay color packs to an 80 lb. bag. Enjarre is also available in custom colors for orders of more than 15,000 square feet (1,666 square yards).

Product Cost:

Contractor price: approximately \$0.51/square foot or \$4.59/square yard of wall/ceiling space, depending on texture (This includes Mud Glue for Enjarre in bulk packaging and color)

Retail customer price: approximately \$0.68/square foot or \$6.12/square yard of wall/ceiling space, depending on texture (This includes Mud Glue for Enjarre in individual unit packaging and color)

Color Packs' average cost: \$0.15/square foot or \$1.35/square yard of wall/ceiling space, depending on texture

Labor Cost:

\$0.35-\$1.50/square foot of wall/ceiling space (depending on market)

\$3.15-\$13.50/square yard of wall/ceiling space (depending on market)

Volumes will affect all of these prices. The lower end of the labor cost is unlikely to change, but the product price can be significantly lowered by large volumes. Also, labor cost can vary greatly depending on regional location.

Note:

A set of eight (8) 18" x 18" Enjarre samples are available for purchase for \$25.00. The set contains the eight standard pre-colored Enjarre colors.

**Product Description:**

- Enjarre™ is a proprietary blend of clays, aggregates, and mineral pigments, designed for spray application for your interior walls and ceilings.
- Enjarre™ will bond to a variety of substrates including drywall, masonry, plasterboard, and existing painted surfaces.
- Enjarre™ is designed to be applied and textured in a single pass over level I or II drywall prep, saving time and money while achieving a distinct, natural, beautiful wall and ceiling coating.
- Enjarre™ can be applied to CMU block (1-2 coats) to achieve a pre-colored finish that levels (hiding the mortar joints) at the same time.
- Enjarre™ is available in 8 standard colors and can be matched to any of the standard Loma colors by adding 1 ¼ American Clay color packs to an 80 lb. bag.
- Enjarre™ has countless possible finishes (achieved by the applicator), and is also available in custom colors for orders of more than 15,000 square feet.
- Enjarre™ is designed with your commercial project, production housing development, condo project, and any other large scale application in mind.
- Enjarre™ is easily repaired (compared to other plasters), eliminates the need to schedule a painter, is 0 VOC, and will give your project a look unmatched by other wall finishes.

Features:

- Non-toxic
- 0 VOC
- Absorbs odors
- Easy to repair
- Temperature and Humidity buffering
- Mold resistant
- 0 Waste (material can be stored indefinitely when dried out)
- Non-fading
- Easy to clean up
- Recyclable packaging

Coverage:

Each 36.3 kg (80 lb) bag covers 150-180 square feet in one pass over level I drywall prep.

Storage:

Store away from exposure to moisture. If product gets wet, soak in bucket with water for 12 hours and mix. Product does not go bad.

Recycled Content:

Approximately 70% post industrial by volume

Application:

Please refer to Enjarre™ application instructions which can be obtained by calling our office or download from our web site www.enjarre.com.

Drying Time:

Actual climate will affect dry times: 2-4 hours in dry climates and 6-10 hours in humid climates. Dehumidifiers and increased air circulation will decrease dry time.

Clean up:

Water, and damp sponge or rag

MSDS:

MSDS sheets are available upon request or at www.enjarre.com.

EnjarreTM

By American Clay

Contractor cost comparisons installed for multi-unit housing project (national average)										
Product	Sheet rock	Sheetrock Price/sq. ft.	Tape Sheetrock Joints	Tape Price/sq. ft.	Texture	Product (including labor)	Product Price/sq. ft.	Total Price/sq. ft.	11,100 board ft. per housing unit	
Texture and paint	Hang	\$0.43	Float and Tape (level III)	\$0.18	Texture	Paint	\$0.31	\$1.07	\$11,877.00	
Smooth wall and paint	Hang	\$0.43	Float and Tape (level V)	\$1.38	n/a	Paint	\$0.37	\$2.18	\$24,198.00	
Enjarre	Hang	\$0.43	Float and Tape (level II)	\$0.16	n/a	Enjarre	\$0.95	\$1.54	\$17,094.00	
American Clay Premier	Hang	\$0.43	Float and Tape (level II)	\$0.16	n/a	American Clay	\$4.31	\$4.90	\$54,390.00	
Hardwall gypsum plaster	Hang	\$0.43	n/a	n/a	Lath and plaster	Sealer	\$0.12	\$3.63	\$40,237.50	
Lime Putty Finish	Hang	\$0.43	Float and Tape (level V)	\$1.38	n/a	Lime Putty	\$7.00	\$8.81	\$97,791.00	
*Pricing can vary greatly depending on project size and/or regional location										



One Coat Veneer Plaster

The Environmental Impact of the Use of Earth Plasters and The LEED Credits Associated with Enjarre Plaster

Enjarre has a commitment to reviving the use of earthen plasters, which dates back thousand of years. Clay plasters are one of the original sustainable building products – created centuries ago by artisans utilizing the dirt from their home sites. Today, Enjarre Clay Plaster’s formulation provides durable and beautiful finishes, which typically last for the life of the building. The combination of beauty, durability and healthful qualities has led to a renaissance in the use of these finishes over the past several years.

In recent years the construction industry has begun to focus on the environmental impact of many construction materials. The evaluation of products in the “green movement” encompasses many elements, which must be weighed on a scale of relative importance. These elements include the longevity of the material, the composition, maintenance, recycled content, embodied energy, and the “cradle-to-grave” environmental impact.

Durability

Sustainable construction is the core value in the green building industry. American Clay Earth Plasters replicate the plaster walls utilized historically throughout the world. These plasters have an outstanding record of durability and performance dating back thousands of years. The walls will typically last the life of the structure. In many older buildings, the walls can be restored to their original beauty at a fraction of the cost of replacing the finish.

Composition and Embodied Energy

Enjarre is a blend of post-industrial aggregates, clays, and pigments. The post-industrial aggregates are comprised of rock that is screened into graded sand. Enjarre plasters do not require high-energy

kilns or reactors like other plasters and acrylics. Enjarre is the lowest embodied energy choice for your project when used with our Mud Glue. Because of the low embodied energy in the manufacturing process, Enjarre has the lowest carbon footprint of any interior finish product.

Recycle/Reuse Content

Several marble quarries have supplies of post-industrial stone left from slab marble processing. Enjarre utilizes these suppliers for our aggregates.

VOC Off-Gassing & Indoor Air Quality

Enjarre Clay Plasters and Pigments are comprised of zero-VOC materials. Enjarre exhibits no off-gassing over the life of the cured walls. The porous clay plaster finish does not support microbial growth, and does not allow moisture to accumulate, helping to maintain a mold-free environment with improved indoor air quality. The use of Mud Glue further enhances the anti-microbial qualities of our natural finishes.

Local Sourcing

Enjarre has many distributors and retailers strategically located throughout the country. Enjarre Clay Plasters are shipped dry to minimize the effects of our products on the environment; adding water at the factory would make our product heavier to ship. The heavier the shipment, the more fuel is used, and the more fuel used, the more greenhouse gases are produced.

Innovations for Future Generations

Enjarre is currently looking to other possible areas of benefits, including energy efficiencies produced by the clay.



One Coat Veneer Plaster

UNITED STATES GREEN BUILDING COUNCIL “Leadership in Energy and Environmental Design”

Enjarre has been valued for its beauty and environmental friendliness. However some of the characteristics of American Clay that make it even more attractive are its durability, low maintenance and recycled content. American Clay Earth Plasters contribute to the US Green Build Council’s (USGBC) credits, under the LEED-NC rating system, version 2.2.

MR Prerequisite I: Storage & Collection of Recyclables Required (1 point)*

Provide an area that is dedicated to collection and storage of non-hazardous materials for recycling.

*All Enjarre packaging is recyclable.

MRcr2.1 and 2.2: Construction Waste Management (1 to 2 points)

After applying Enjarre Clay Plasters, any unused wet plaster should not be discarded. Dry it on plastic sheets and rehydrate it at a later date for touch ups and repairs.

MRcr4.1 and 4.2: Recycled Content (1 to 2 points)

If calculating by weight 35 % of recycled content is usable in this calculation. If calculating by volume 22% is usable in this calculation.

MRcr5.1 and 5.2: Regional Materials (2 points possible)

One point is awarded if 10% of the building materials used is extracted, harvested or recovered, as well as being manufactured within a 500-mile radius of the project site and the calculation is based on the cost of the total materials value. The marble dust and clays are available in one of New Mexico’s bordering states. American Clay can contribute to the credit if the raw material supplier is located within 500 miles of the project site. A second point is awarded if the total percentage of the cost of regional materials is at least 20%.

EQcr 4.1 and 4.2: Low-Emitting Materials (1-2 points)

Enjarre clay plasters, and Pigments all have 0 VOCs.

IDcr1-1.4: Innovation in Design (1 point)

Many things in nature hold a negative charge, and humans living close to nature are accustomed to being surrounded by a negative charge in the air, or negative ions. Inside today’s modern home there are electrical appliances, electric cords, and synthetic plastic products (latex paint), all of which produce and maintain a positive charge in the air. Surrounding your interior environment with clay that produces negative ions will not only help neutralize the electromagnetic effect created by appliances and synthetic plastics, but will help eliminate static charge on walls and floors, help filter air of pollen and dander, and surround you with the charge humans are accustomed to when living in nature.

***** Points are only possible – It is up to the builder/architect/owner to pursue approval of the points by USGBC**



BASIC APPLICATION INSTRUCTIONS

Each step in this summary is explained in more detail in full instructions you can download from our website. See “Application Instruction” at www.americanclay.com. Full architectural specs can be found at www.americanclay.com

Maintain room temperature above 10 degrees Celsius (50 degrees Fahrenheit) for 24 hours before, during and after application.

Wall Preparation: Protect adjacent surfaces with painter’s tape, plastic, and/or drop clothes. Surfaces should be free of dust, oil, or flaking paint, plaster and joint compound should be dry and cured. Glossy surfaces should be de-glossed.

Note: *All outside corners should receive two (2) coats of American Clay Sanded Primer prior to application. See full instructions for a complete list of substrates and preparation.*

Mix Bulk Mud Glue for multiple bags: *Enjarre Mud Glue should be used within 2 days of diluting with water. Enjarre Mud Glue comes in a bulk (5 Gallon) container; it is not sold as individual units. Pour 10 liters (2.5 gallons) water into a 20 liter (5 gallon) or larger container. Using the supplied scoop, add 2 units (two scoops or 1040 grams/40 ounces) of Mud Glue to the water WHILE AGGITATING THE WATER! You must add the Mud Glue slowly as you spin the water with your mixing paddle. Mix for 1-3 minutes until a head of foam builds up and the water turns milky-white. Add another 10 liters (2.5 gallons) of water and mix again. Use this water to mix Enjarre Plaster.*

Mix Mud Glue for Enjarre per bag: Pour 6 liters (1.5 gallons) water into a 28 liter (7 gallons or larger) container. Slowly add 1 full bag (681 grams or 1.5 lbs) of Mud Glue for Enjarre WHILE AGGITATING THE WATER WITH A PADDLE OR WHISK! Mix for 1-3 minutes until a head of foam build up and the water turns milky-white. Add plaster and necessary water to completely mix 1 (36.32 Kilograms or 80 lbs) full bag of Enjarre.

Mix Plaster: *Enjarre can be mixed up to 24 hours prior to application.*

Pour 6-8 liters (1-1 ½ gallon(s)) water into a 28 liter (7 gallon) or larger container. Pour in about half of one 36.3 kg (80 lb) bag of Enjarre into water/Mud Glue solution. Mix with a heavy-duty drill and plaster paddle, alternate adding the remaining dry plaster and water/Mud Glue solution until the plaster has reached desired consistency (about the consistency of soft serve ice cream). Let plaster stand for 30 minutes, recheck consistency and add water/Mud Glue solution if plaster has stiffened. If you are using a container smaller than 28 liters, cut amounts in half (e.g. 3-4 liters...about ¼ bag of plaster, and complete using half the bag of plaster).

General Application instructions: For most application the recommended thickness is 1.5-3 mm (1/16"-1/8") over level II drywall prep. In some cases a thickness of up to 6.25 mm (1/4") for leveling can be appropriate, but expect about .4 mm (1/64") shrinkage. Spray with rotor-stator (best results) driven texture machine to desired thickness and back-trowel for desired texture. A gravity feed hopper can be used but is much slower and it may be faster to apply by hand. Let dry.

Finishing: ***This step compresses, strengthens, makes more repairable, reduces trowel marks, prevents dusting, and helps eliminate cracks.*** After the application has dried, mist the surface and re-trowel or float with a damp sponge or stucco float. **Do not use so much water that it is dripping down the walls, but enough that the surface is evenly wet.** After the application has cured for two (2) weeks, use a soft brush or broom and brush any loose sand from the walls and sweep or vacuum from the floor.

Clean up: Tools can be cleaned with water. Dry unused plaster (spread a thin coat on a sheet of plastic) and place in a sealed package to be used for later re-hydration (with ADD-MIX/water solution) and touch up.

Sealing: Sealing is optional except in areas that may be exposed to splashing water (around sinks without backsplashes, shower stalls,), or cooking oils. Please see product labels and application instructions for *American Clay Penetrating Sealer* and *American Clay Gloss Sealer*.

WARNING: This product contains free silica.

Prolonged exposure may cause lung injury (silicosis). IARC Monograph Vol 68 (1997) concluded that there is sufficient evidence that inhaled crystalline silica in a dry state causes cancer in humans. This product contains a chemical (silica)

known to the state of California to cause cancer when present in a dry state. Eye irritant.

PRECAUTIONARY MEASURE: Use common sense when handling this product to reduce likelihood of inhaling dust. Limestone may cause eye and skin irritation. Provide eye protection when in the dry state. Avoid breathing dust. Protect skin from prolonged contact. Wear suitable clothing and personal protective equipment.

FIRST AID: If contact with eyes, flush with water. If irritation continues, contact doctor. This material is non-flammable and non explosive.

Product Warranty: American Clay products are guaranteed to give satisfactory performance only if used as recommended. Liability shall be limited to refund of purchase price or the replacement of a defective product. There are no other warranties expressed or implied.

Peligro: La Caolinita Cintiene Silica Libre.

Una exposicion prongada pueda causar danos pumonates (silicosis). Este producto se contiene quimmico comprorto por Estado de California que se causa cancer. Se sospecha pueden ser carcinoganicos (?) Existe evidencia suficiente que los cristales de silica pueden introducir cancer en los seres humanos (Monografia IARC Vol 68 (1997). Irritante ocular. **MEDIDAD DE PRECAUCION:** Utilice el sentido comun al manejar este producto. La piedra caliza puede causar la irritacion del ojo y de piel. Proporcione la proteccion de ojo cuando en el estado seco. Evite de respirar el polvo. Proteja la piel contra contacto prolongado. Use la ropa cinveniente.

PRIMERO AUXILIOS: Si contacto con los ojos, lava con agua. Si la irritacion continua, entre en contacto con a doctor. Este material es non-flamable e inexplsible.

Precaucion: Evite el contacto con la ropa. Ciertos pigmentos pueden manchar permanentemente telas.

Garantia Del Producto: Los productos American Clay estan garantizados dan funcionamiento satisfactorio solamente si estan utilizados segun lo recomendado. La responsabilidad sera limitada at reembolso del precio de compra o al reemplazo de un producto defetuoso. No hay otras garantias expresadas o implicadas.

AMERICAN CLAY ENTERPRISES, LLC PRODUCT WARRANTY:

American Clay Enterprises, LLC expressly warrants that, for a period of (2) two years from the date of first sale, (Enjarre, ADD-MIX, American Clay Penetrating Sealer, American Clay Gloss sealer, American Clay Sanded Primer) will be reasonable free of defects in materials, and that when properly handled and applied, will conform to applicable manufacturing specifications. This limited

warranty only applies to products that are stored, handled, applied and in the manner recommended by American Clay Enterprises, LLC. Due to the variety of uses and applications which American Clay brand products may be put, AMERICAN CLAY CAN MAKE NO WARRANTY THAT THESE PRODUCTS ARE SUITABLE FOR ANY PARTICULAR PURPOSE AND CAN MAKE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OTHER THAN THOSE SET FORTH ABOVE.

What is Enjarre?

- ♦ A proprietary blend of clays, aggregates, and mineral pigments
- ♦ A durable, flexible, and repairable Green commercial wall finish
- ♦ Bonds to a wide variety of substrates
- ♦ Single-coat plaster – over level II or III drywall – no skim needed – sprayable application
- ♦ Upscale finish at competitive prices

Enjarre's strengths

- ♦ Enjarre is designed to be placed in settings where our two coat product is cost-prohibitive: large commercial, multi-unit housing, production building, high-traffic and government buildings
- ♦ Projects that will likely be 50,000 square feet or more

Tell me more about Enjarre

- ♦ Can be applied over CMU block (1-2 coats) to hide mortar joints and finish coat all at one time
- ♦ Available in standard colors and custom colors
- ♦ Countless possible finishes
- ♦ Designed for commercial application
- ♦ Easily repaired



SINGLE-COAT NATURAL VENEER PLASTER

866.404.1634 Toll Free

505.243.5300 Office

www.americanclay.com

Low impact on the Earth

- ♦ No VOCs
- ♦ No waste
- ♦ Over 70% reclaimed content
- ♦ All additives are zero-VOC, non-toxic, and biodegradable (Mud Glue)
- ♦ Lowest carbon footprint per pound of any commercially available non-paint wall finish

Low impact on crews and occupants

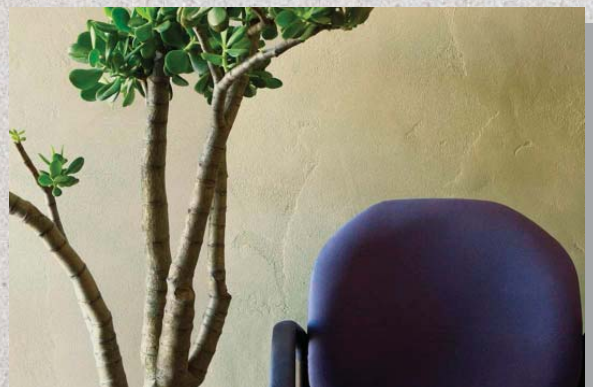
- ♦ Zero-VOCs and non-toxic
- ♦ Durable – lasts the life of the wall
- ♦ Mold-resistant
- ♦ No on-site waste – let the excess material dry, then re-mix with water when needed

Easy to apply

- ♦ Spray and hand application
 - Stator-driven texture machine
 - One coat
- ♦ Quick application
 - About 300 square feet per man hour (spray)
 - Faster than texture and paint
 - Drywall need only be finished to Level II or III

Adaptable to many substrates

- ♦ Goes over most substrates
 - CMU block
 - Drywall
 - Masonry
 - Existing painted surfaces
- ♦ Can be troweled on several times for more refined finishes



USGBC LEED-Certified

(LEED-NC rating system, version 2.2)

- ♦ Storage & collection of recyclables
 - All packaging is recyclable, mostly cotton bags
- ♦ Construction waste management (1-2 points)
 - Plaster should be dried on plastic sheets and rehydrated later for touchups or repairs
- ♦ Regional Materials (1-2 points)
 - More than 10% reclaimed materials – 1 point
- ♦ Enjarre is over 70% reclaimed material
 - Less than 500 miles from manufacturer – 1 point
- ♦ Low-Emitting Materials (1-2 points)
 - Enjarre clay plasters and pigments are all zero-VOCs
- ♦ Innovation in design (1 point)
 - Generates negative ions
 - Neutralizes positive ions generated by electric appliances and synthetic products
 - Helps eliminate static charge on walls allowing airborne dust, pollen, and dander to be filtered or flow out of the space

More benefits of clay plasters

- ♦ Help regulate temperature and humidity
- ♦ Color-Integral – durable colors
- ♦ Easy to maintain and repair
- ♦ Breathable
- ♦ Non-combustible
- ♦ Sound and odor absorbing
- ♦ Non-fading

How does that compare?

- ♦ National average Enjarre
 - \$1.54/sq. ft.
- ♦ National average texture and paint
 - \$1.07/sq. ft.
- ♦ National average smooth wall and paint
 - \$2.18/sq. ft.

Enjarre price breakdown

- ♦ Plaster cost – \$0.24-\$0.34/sq. ft.
- ♦ Binder cost – \$0.04-\$0.10/sq. ft.
- ♦ Color cost – \$0.09-0.14/sq. ft.
- ♦ Contractor cost for *materials* – \$0.28-\$0.58/sq. ft.

Contractor cost comparisons installed for multi-unit housing project (national average)

Product	Sheet rock	Sheetrock Price/sq. ft.	Tape Sheetrock Joints	Tape Price/sq. ft.	Texture	Texture Price/sq. ft.	Product (including labor)	Product Price/sq. ft.	Total Price/sq. ft.	11,100 board ft. per housing unit
Texture and paint	Hang	\$0.43	Float and Tape (level III)	\$0.18	Texture	\$0.15	Paint	\$0.31	\$1.07	\$11,877.00
Smooth wall and paint	Hang	\$0.43	Float and Tape (level V)	\$1.38	n/a	n/a	Paint	\$0.37	\$2.18	\$24,198.00
Enjarre	Hang	\$0.43	Float and Tape (level II)	\$0.16	n/a	n/a	Enjarre	\$0.95	\$1.54	\$17,094.00
American Clay Premier	Hang	\$0.43	Float and Tape (level II)	\$0.16	n/a	n/a	American Clay	\$4.31	\$4.90	\$54,390.00
Hardwall gypsum plaster	Hang	\$0.43	n/a	n/a	Lath and plaster	\$3.08	Sealer	\$0.12	\$3.63	\$40,237.50
Lime putty finish	Hang	\$0.43	Float and Tape (level V)	\$1.38	n/a	n/a	Lime Putty	\$7.00	\$8.81	\$97,791.00

**Pricing can vary greatly depending on project size and/or regional location*





NATURAL COMMERCIAL VENEER PLASTER

www.americanclay.com

Step-by-Step Retail and Contractor Sales of Enjarre

WHAT IS ENJARRE?

- Enjarre is American Clay's one-coat finish
- It consists of larger aggregates and clays which allow it to be applied somewhat thicker (up to 1/8") than our regular Loma product
- The water which is added to the material is mixed with our natural binder, *Mud Glue for Enjarre*. This eliminates the need to roll on sanded primer on the walls, however, sanded primer is required on outside corners

HOW IS IT PACKAGED?

- 80 pound sacks with the rust/red logo

WHY IS IT DIFFERENT?

- American Clay wanted a commercial material that could be sold for larger projects to compete with gypsum plasters
- Enjarre primarily is a professional product because the bags are heavy; most Retail customers cannot lift and carry 80 pound sacks
- It always uses the *Mud Glue for Enjarre* in the basecoat
- It can be sprayed on and back-troweled for a one-coat system or hand troweled

WHAT IS THE COVERAGE OF A SINGLE BAG OF ENJARRE?

- 150 to 180 square feet per bag

HOW MUCH DOES IT COST?

- Contractor estimated price per American Clay: \$46.00/bag, plus Mud Glue for Enjarre and color
- Retail estimated price per American Clay: \$55.00/bag plus Mud Glue for Enjarre and color
- Projects of 75,000 square feet or more contact American Clay for pricing details

WHAT IS THE COST PER SQUARE FOOT FOR ENJARRE?

- Contractor price: approximately .51¢ per square foot (This *includes* Mud Glue for Enjarre in bulk packaging and color)
- Retail customer price: approximately .68¢ per square foot (This *includes* Mud Glue for Enjarre in individual unit packaging and color)
- Color Packs' *average* cost: .15¢ per square foot

DOES AMERICAN CLAY'S STANDARD COLOR PACK CREATE THE SAME COLORS AS LOMA WHEN MIXED WITH A BAG OF ENJARRE?

- No, not at the current time, *however*, adding 1 1/4 American Clay color packs to a bag of Enjarre will match standard Loma colors
- Artisans/contractors are generally more savvy about mixing colors in 'odd amounts' than the regular Retail customer

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

EnjarreTM

Material Safety Data Sheet

Date prepared: April 1, 2008

Date revised: N/A (first edition)

Section I General Information

Product Name: Enjarre Commercial Veneer Plaster

Formula: Proprietary Blend of Aggregates and Clays.

Manufacturer: American Clay, LLC
8724 Alameda Park Dr. NE
Albuquerque, NM 87113
Vox: 866.403.1634
Fax: 505.244.9332

Section II Hazardous Ingredients

Ingredients:	% by Wt:	CAS #:	OSHA PEL**:	ACGIH TLV**:
Quartz	<2%	14808-60-7	0.1mg/m ³ Resp.	0.05 mg/m ³ TWA
Nuisance Dust	-	-	5mg/m ³ Resp.	3mg/m ³ Resp.
Total Dust	-	-	15mg/m ³	10mg/m ³

NFPA/HMIS: Health – 1*, Fire – 0, Reactivity – 0, Specific Hazard – see section VI

***WARNING:** This product contains a small amount of quartz that may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved respirator where TLV for quartz may be exceeded. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to humans (volume 68, 1997) concludes that quartz is carcinogenic to humans (IARC classification 1).

Note: The Permissible Exposure Limits (PELs) reported above are the pre-1989 limits that were reinstated by OSHA June 30, 1993 following a decision by the United States Circuit Court of Appeals for the 11th Circuit. Federal OSHA is now enforcing these PELs. More restrictive exposure limits may be enforced by some other jurisdictions. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50micrograms respirable free silica per cubic meter of air (0.05mg/m³) as determined by full shift sample up to a 10-hour working day, 40 hours per week. See: 1974 NIOSH criteria for a recommended Standard for Occupational Exposure to Crystalline Silica for more detailed information.

**Unless otherwise noted, all PEL and TLV values are reported as 8 hour time weighted average (TWA).

Section III Physical Chemical Characteristics

Material Safety Data Sheet

Date prepared: April 1, 2008

Date revised: N/A (first edition)

Boiling Point:	Not Applicable	Loose Fill Density:	52-69 lbs/ft ³
Vapor Pressure:	Not Applicable	Melting Point:	Not Applicable
Vapor Density:	Not Applicable	Evaporation Rate:	Not Applicable
Solubility in Water:	Negligible		
Appearance and Odor:	Buff to White color powder with angular particles of white, tan, and grey.		

Section IV Fire and Explosion

Flammability:	Non-Combustible	Upper & Lower Flammable Limit:	Not Applicable
Auto Ignition Temp:	Not Applicable	Special Firefighting Procedures:	Not Applicable
Combustion Products:	Not Applicable	Sensitivity to Mechanical	
Flash Point:	Not Applicable	Impact/Static Discharge:	Not Applicable

Means of Extinction: Use extinguishing media appropriate for surrounding media

Section V Reactivity Data

Stability:	Stable Under normal Conditions.
Hazardous Decomposition Products:	Thermal oxidative decomposition can produce calcium oxide.
Conditions of Reactivity:	Hazardous polymerization will not occur.
Incompatible Materials:	Reacts with acids to liberate carbon dioxide. Ignites on contact with fluorine. Also incompatible with alum and ammonium salts.

Section VI Health Hazard & Toxicological Information

Exposure Limits: See Section II

Acute Effects:

Irritancy of product:	Eye contact and inhalation are major routes of entry
Inhalation:	Inhalation of dust can cause irritation
Skin:	Prolonged or repeated skin contact can cause irritation.
Eyes:	Contact with eyes can cause irritation
Ingestion:	Not an expected route of entry

Chronic Effects & Carcinogenicity

Excessive inhalation of dust from these products can cause silicosis. Crystalline silica is listed as an IARC Class 1 potential carcinogen. It has been determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and humans. These are chronic, slow developing diseases with symptoms usually delayed 10 years or more.

Signs and symptoms of exposure: There are generally no signs or symptoms of exposure to crystalline silica.

Medical Conditions Generally Aggravated by Exposure: Individuals with respiratory disease, or subject to eye irritation should not be exposed to crystalline silica dust.

California Proposition 65 Warning

This product contains crystalline silica, a chemical known to the State of California to cause cancer.

Section VII Spill, Leak & Disposal Procedures

Material Safety Data Sheet

Date prepared: April 1, 2008

Date revised: N/A (first edition)

Spill & Leak: Vacuum if possible to avoid generating airborne dust. Avoid breathing dust. Wear and approved respirator. Avoid adding water; product will become slippery when wet.

Waste Disposal: Dispose of waste in an approved landfill in accordance with federal, state, and local laws

Section VIII First Aid & Special Protection Information

First Aid

Inhalation: Move victim to fresh air. If breathing difficulty continues, give oxygen & obtain medical attention.
Skin contact: Wash with soap and warm water. If irritation develops, consult a physician.
Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.
Ingestion: If large amounts are ingested, get immediate medical attention.

Respiratory Protection: Provide adequate general ventilation. Provide workers with NIOSH approved respirators for lung damaging dust when exposed to dust. Exposure levels over 100 times TLV (*Section II*) required air supplied respirators.

Skin & Eye Protection: Gloves and safety goggles should be worn when exposed to excessive dust.

Ventilation: Provide Local Exhaust ventilation to meet exposure limits (*Section II*).

Section IX Special Precautions

Handling: Dust in the work area should be kept minimal and proper ventilation provided. Avoid inhalation of dust. Avoid eye contact with materials.

Storage: Use normal precautions to avoid bag breakage and spillage. Store in a dry place.

Other Precautions: Slippery when wet

Shipping: No special shipping information required.

Section X Abbreviations & References

Abbreviations:

IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
PEL: Personnel Exposure Limits
TLV: Threshold Limit Values
TWA: Time Weighted Average
NIOSH: National Institute of Occupational Safety and Health
MSDS: Material Safety Data Sheets

References

ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003
IARC Monographs, Volume 68, Silica, Some Silicates and Organic Fibers, 1997
Material Safety Data Sheets of raw materials

The information and recommendations set forth herein has been compiled by American Clay, LLC, from sources it considers reliable, and is accurate to the best of American Clay's knowledge. American Clay makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving same will be required to make their own determination as to the suitability for their personal use. This information is supplied simply to be informative and to alert the user of the material.

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American Clay Enterprises April 3, 2007 CLAY VENEER PLASTER 09216 - 1 SECTION
09216 - ENJARRE™ SINGLE COAT CLAY VENEER PLASTER

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes:

1. Clay veneer plaster [**over monolithic concrete**] [**over masonry surfaces**] [**over gypsum plaster**] [**over gypsum board**] [**over plaster board**] [**over adobe, cob or straw bale**] [**over foam building form blocks**] for interior application.

2. [Brown coat.]

3. [Sealers and Waxes.]

4. [Textural additives.]

5. Accessories.

B. Related Sections:

1. Section 03300 "Cast-In-Place Concrete".

2. Section 04220 "Concrete Masonry Units".

3. Section 04290 "Adobe Masonry Units."

4. Section 09210 "Gypsum Plaster".

5. Section 09260 "Gypsum Board Assemblies"; for trim accessories.

6. Section 09900 "Paints and Coatings"; for primers and sealers not specified in this section.

7. [Section " ".]

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's literature for each product specified.

B. Selection Samples:

1. Provide samples of manufacturer's standard colors for color selection.

2. Provide samples of standard textured finishes.

C. Verification Samples: Submit sample for each color and textured finish specified in minimum 12-inch by 12-inch sample and on substrate indicated. Apply clay veneer plaster over primed substrate sample. Prepare sample to show substrate, primer, and veneer plaster [**and sealer**] in the layered application process. [**Submit full size sample for masonry substrates.**][**Apply sealer to**

½ of each sample.] In addition to verification of aesthetic qualities, the sample should also be used to demonstrate compatibility and application process.

D. Qualification Data: For qualified Installer.

E. LEED™ Submittals:

1. Credit MR Prerequisite (1 point) 1 Storage and Collection of Recyclables (all of Enjarre's packaging is 100% Recyclable [**Contact Manufacturer for Cotton Bag recycling program**])
2. Credit MR 2.1 and 2.2 (1-2 Points) Construction Waste Management: Include approximate weight of clay veneer plaster to be recycled or donated in Contractor's Waste Management Plan.
3. Credit MR 4 Recycled Content: (1 point) Manufacturers' product data for clay veneer plaster indicating weighted post-industrial recycled content percentage.
4. Credit MR 5.1 and 5.2 (2 points possible) Regional Materials: [**500 mile radius of Albuquerque, NM**] Include clay veneer plaster in the calculations demonstrating that 20% minimum of building materials were manufactured within a 500 miles radius of the project site. Calculations include, cost, percentage of regional components, distance from project to manufacturer and total cost of all material for project.
5. Credit EQ 4.1 Low Emitting Materials: (one point) Manufacturers' product data for sealers, including printed statement of VOC content.
6. Credit EQ 4.2 Low Emitting Materials: (one point) Manufacturers' product data for clay veneer plaster and primer including printed statement of VOC content.
7. Credit ID 1: innovation in Design Surrounding your interior environment with clay that produces negative ions (when it interacts with humidity) will help to neutralize the electromagnetic effect created by appliances and synthetic plastics (latex) [**contact manufacturer for more information about this**]
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1.3 QUALITY ASSURANCE

A. Installer Qualifications: An installer who is a Enjarre experienced applicator.

B. Finish Mockups: Apply mockups [**of at least 100 sq. ft. in surface area**] [**as shown on Drawings**] to demonstrate aesthetic effects and set qualities standards for materials and execution.

1. Apply mockups at location [**indicated on Drawings**] [**as directed by Architect**].
2. Apply mockups for the following applications:
 - Walls and Partitions.
 - Ceilings.
3. Simulate finished lighting conditions for review of mockups.

4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

C. Fade Resistance: Color Pigments, ASTM D4303-03

D. Flame Spread: ASTM E-84.

E. Mold Resistance:

F. Permeability:

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store materials in clearly marked containers in location not subject to direct moisture.

1. Clay veneer plaster mixed with Mud Glue: Store in cool location in container for not more than 10 days. After 10 days, dry mixture thoroughly on plastic sheet.

B. Cover mixed plaster during breaks to retain moisture.

C. Waste Management and Disposal: Surplus clay veneer plaster and clean clay veneer plaster may be used as touch-up materials and extra material for Owner. Clearly mark container as “waste recycled – clay veneer plaster”. Wet clay veneer plaster should be dried thoroughly on plastic sheet and stored in clearly marked container.

1.5 PROJECT CONDITIONS

A. Room Temperature:

1. Maintain temperatures at not less than 50 degrees Fahrenheit or greater than 90 degrees Fahrenheit for at least 3 days before application of clay veneer plaster system[s], continuously during application, and for 3 days after completing application.

2. Bring materials into room 24 hours before mixing to acclimate them to ambient temperature.

B. Ventilation:

1. Distribute heat evenly; prevent concentrated or uneven heat on plaster.

2. Maintain relative humidity levels for prevailing ambient temperature that produces normal drying conditions. Humidity levels should be not more than 50% relative humidity. Use mechanical means to reduce humidity levels if necessary.

3. Ventilate building spaces in a manner that prevents drafts of air from contacting surfaces during plaster application.

4. Upon completion of plaster application, natural or mechanical ventilation may be utilized if specified temperature and humidity levels are maintained.

1.6 EXTRA MATERIALS

Provide Owner with **[insert project requirement here]** percent of clay veneer plaster applied in each color and texture specified.

PART 2 - PRODUCTS

2.1 Enjarre™ CLAY VENEER PLASTER

A. Enjarre™ Clay Veneer Plaster: Proprietary dry blend of clay, fine aggregates, and pigments.

1. Manufacturer: American Clay Enterprises; 8724 Alameda Park Drive NE suite F, Albuquerque, New Mexico 87102. (505) 243.5300 or (866-404-1634).

First Coat: Enjarre™ Clay Veneer Plaster

2. Color[s]

a. **[Custom color to match Architect's sample.] (15,000 square ft. minimum)**

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b. **Calcite**

c. **Dolostone**

d. **Nickel**

e. **Basalt**

f. **Quartzite**

g. **Topaz**

h. **Agate**

i. **Citrine**

a. Finish **[second/upgrade] Coat:**

. **[American Clay Earth Plaster Loma; smooth finish.]**

. **[American Clay Earth Plaster Porcelina; Venetian plaster-like finish will need an intermediate coat of Loma.]**

. **[American Clay Earth Plaster Marittimo; seashell aggregate, faceted finish.]**

.

3. Color additives in the following color[s]:

. **[Acacia.]**

. **[Austin Blush.]**

. **[Baton Rouge.]**

. **[Blue Field.]**

. **[Borrego Tan.]**

. **[Chocolatte.]**

. **[Chimayo.]**

. **[Cimarron.]**

. **[Colorado Red.]**

. **[Dakota Red.]**

. **[Guadalupe Dunes.]**

. **[Fairfield Green.]**

. **[Havasú.]**

. **[Jasper.]**

. **[Kentucky Moon.]**

. **[Lake Tahoe.]**

. **[Moab Red.]**

- . [Mojave.]
- . [Nantucket Sand.]
- . [Napa Olive.]
- . [Osage.]
- . [Powder River.]
- . [Rio Grande Pecan.]
- . [Sanibel Sunset.]
- . [Santa Fe Tan.]
- . [Savannah Moss.]
- . [Snake River.]
- . [Socorro Clay.]
- . [Sugarloaf White accent.]
- . [Sulphur Spring.]
- . [Taos.]
- . [Tucson Gold.]
- . [Verde Valley.]
- . [Wild Horse Smoke.]
- . [Amber Grain accent.]
- . [Bryce Canyon accent.]
- . [Chesapeake Bay accent.]
- . [Georgia Clay accent.]
- . [Maunaloa accent.]
- . [Painted Desert accent.]
- . [Palomino Valley.]

4. Properties:

- Fire-resistant: Non-combustible.
- Non-toxic, non-chemical materials.
- Fade resistant.
- Mold resistant.
- Dust resistant.
- Non-dusting.
- Breathable.
- Paintable and stainable.

5. Aggregate: Calcium carbonate, Mica

6. Color Pigment: Natural oxides and Mineral pigments.

- . Recycled Content by Weight: 72% post-industrial.
- . Water: Potable water.

2.2 PRIMER[S]

A. Textured Primer: American Clay “Sanded Primer” [or “**Sanded Primer Elite**”].

1. VOC content: 0.44 grams per liter.

B. Water-borne primer acceptable to clay veneer plaster manufacturer to be used where indicated in Systems below.

2.3 BROWN COAT(S)

- . [Fibred cementitious brown coat.]
- . [Lime-plaster brown coat.]
- . [Site-based mud plaster brown coat.]
- . [Gypsum plaster brown coat with American Clay “Sanded Primer Elite.”]

2.4 SEALERS AND WAXES

A. General:

1. VOC content must meet or exceed the VOC and chemical component limits of Green Seal requirements.
2. Sealer must be compatible with clay veneer plaster.

B. [Acrylic Masonry Sealer:

1. American Clay Earth Plaster Sealer / Gloss Sealer
2. AFM Safecoat “Watershield” or “Mexi-seal”.
3. or equal product.]

C. [Wax: Furniture or paste wax.

1. Bioshield “Floor and Furniture Hardwax.”
2. or equal product.]

D. [Oil:

1. AFM “Natural Clear Penetrating Oil.”
2. Bioshield “Penetrating Sealer.”
3. or equal product.]

E. [Liquid Potassium or “Water Glass”:

1. AFM Safecoat “Penetrating WaterStop”.
2. Anco Industries Inc. “Stucco Cure”.
3. or equal product.]

2.5 JOINT REINFORCING MATERIALS

- . Trim Accessories: As specified in Section 09260 “Gypsum Board Assemblies.”
- . Filler: Multi-purpose joint compound.

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PART 3 - EXECUTION

3.1 EXAMINATION

. m that substrate is ready to accept primer and clay veneer plaster finish. Surfaces should be dry and free of dust. Correct substrate conditions prior to clay veneer plaster application process.

3.2 PREPARATION

A. General Preparation for all substrate categories:

1. Scrape off loose or flaking paint or other surface material until a well-bonded surface is exposed.

2. Knock down high points or protrusions of more than 1/16 inch with a wide putty knife, scraper or drywall sanding screen.

3. Clean and fill any mortar joints and depressions deeper than 1/16 inch with a filler that bonds to the substrate, leveling them with the surface.

4. Lightly sand any high gloss or glossy sealed surface with 150 grit sandpaper to provide a “tooth” for the primer.

. Test existing paint for lead content prior to sanding. If paint contains lead, follow OSHA procedures.

. 5. Remove any dust with a vacuum or clean with 10% water based sealer 90% water.

6. Clean surfaces to remove dirt, grease, oil, and other foreign matter and deposits that could impair bond with plaster.

. Wash sooty or greasy surfaces with a Tri-Sodium Phosphate (TSP) or equal paint preparation cleaner.

. 7. Allow surface to dry.

8. Mask adjacent surfaces with painter’s tape. Leave tape 1/16-1/8” inch from edge of plaster surface area so that the tape will pull off cleanly.

3.3 GENERAL APPLICATION

A. Application total thickness:

1. Enjarre™ Clay Veneer Plaster

. 1 coat: 1/16 inch (thickness of two credit cards) to a maximum thickness of 1/4 inch.

. [2 coats: 1/8 inch to a maximum thickness of 1/2 inch].

. [3 coats: [3/16 inch to a maximum thickness of 3/4] inch.]

3.4 TRIM ACCESSORY AND JOINT REINFORCEMENT INSTALLATION

A. Joint Reinforcement:

1. Tape and bed: Level 1 [**Level 2 for Ceilings**], Gypsum Association GA-214
2. Corner Bead: Prime with two coats of sanded primer.
3. Joints or repairs must be completely dry prior to plaster application.

3.5 PRIMER APPLICATION

- . Apply primer and allow application to dry prior to clay plaster veneer application.
- . **[Double prime outside corners.]**
- . Brush primer along edges (outside corners) of wall,.
- . Let primer dry for 3 hours or until sand “bites back” when hand is rubbed against wall.
- . Brush a second coat of primer over exterior corners which are more vulnerable to nicks and dings.
- . Finished corners should have slight radius.
- .

3.6 MIXING CLAY VENEER PLASTER - GENERAL

- . Prior to adding water [**and Mud Glue**], loosely mix dry clay plaster to even the mix after settling during shipping.
 - . Add plaster to water [**Mud Glue and WATER Solution**] and evenly mix.
 - . Allow plaster to stand for a minimum of 30 minutes before use. Clay mixture can be mixed 24 hours before application and will remain workable as long as the mixture remains wet.
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If thickening occurs or mixture has completely dried: Add water to bring mixture to a workable consistency. Mixture consistency should resemble conventional lime and gypsum plasters.

3.7 CLAY VENEER PLASTER GENERAL APPLICATION

- . Do not apply clay veneer plaster on damp surfaces.
- . Apply clay plaster coat and allow it to completely dry, typically 2 to 8 hours. Apply with desired texture indicated in Finish Schedule and allow to dry.
- . If necessary, apply an additional coat to achieve an extremely smooth surface or to hide drywall screws and other surface blemishes. Previous coats should be completely dry and shrinkage complete prior to application of the next coat.
- . For each plaster coat, finish complete walls, panels or ceilings in one operation to avoid the effects of possible variation in color.
- . Lay out on plastic sheet leftover material that remains wet longer than 10 days and allow it to dry completely prior to reuse.
- .

3.8 SPRAY METHOD - GENERAL

- . Mix plaster to consistency required for spray system.
- . Spray mixture for even coverage. Immediately trowel to spread mixture to a consistent thickness.
- . Allow coat to dry.
- . Lightly mist surface to allow for more working time.
- . Let the surface dry.
- . Compress the surface.
- .

3.9 FINISHING/TEXTURING

A. Trowel,(harder and smoother finish): Matte Finish

1. The surface should be dry to the touch and is set enough that a finger pressed into the surface no longer leaves an impression, trowel the plaster surface adding small amounts of water when necessary to smooth and harden the surface.

B. Sponge (harder and rougher finish): Sand Finish

1. When second coat is leather hard (damp but no longer tacky), rub the plaster surface with a dry tile sponge, moving in a circular motion. Sand will rise to the surface.

2. After the surface dries, rework the surface with a barely damp sponge using a circular motion. This will remove most of the loose sand from the surface, compress the wall and even out color variations.

C. Clay Veneer Plaster Finish: [Smooth-troweled finish, unless otherwise indicated] [Textured finish matching sample and approved mockups].

1. Begin finish when final veneer coat is set or dry. The clay veneer plaster should be resistant to light press of finger but does not leave an impression. If the surface has dried, wet the surface with water using a hand pump sprayer and rework the surface as required.

2. To prevent surface cracking, do not over-work or use excess water.

3. [Blended Mottled Color: Apply two colors at the same time during application. The colors will blend evening together. Finish to desired texture.]

4. [Distinct Mottled Color: Apply main color as first coat. When the second coat has set but still damp, wet trowel and sprinkle dry material for second color on the trowel. Trowel to desired effect.]

5. [Smooth Finish: Continue to lightly wet final veneer coat with water and trowel smooth with stainless steel or plastic trowel.]

6. [Skip Trowel: Allow the first coat to completely dry. Mist and apply the second coat, allowing the first coat to be visible in the pattern specified. Smooth the second coat as it sets and trowel to a smooth texture.]

7. [Textured Patterns: Apply a standard coat. While this coat is still workable, use the appropriate texture tool to achieve selected finish. Texture tools include brush, tile trowel, float, stick, hand or any implement that give the texture and pattern selected. After textured area has dried, mist and wipe with a damp sponge to

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compress the surface and eliminate loose pieces of clay veneer plaster. [For extremely coarse, deep textures, apply a stabilizing sealer after the plaster has dried.]

8. Allow veneer plaster to dry completely, a minimum of 12 hours prior to applying sealer.

9. Where clay veneer plaster abuts metal doorframes, windows, and other units in veneer plaster, groove finish coat to eliminate spalling. Calk exposed edges.

3.10 COMPRESSING THE FINISH COAT

A. Compress second plaster coat using either of the following methods:’

1. Trowel,(harder and smoother finish): Matte Finish

- . Lightly mist surface so that it is evenly damp and no water is running down the wall.
- . Re-trowel surface.
- .

2. Sponge (harder and rougher finish): Sand Finish

- . Press lightly in areas that are more damp.
- . Sweep with brush or vacuum remaining sand from the surface after the surface dries.
- .

B. Category I, [Painted or Sealed Surfaces][Slick Surfaces][Gypsum Plasters]:

1. Preparation

- . General preparation.
- .

2. Application:

- . 1st coat: Enjarre
- . Texture: See Finish Schedule at end of Section.
- . Compression.
- . After 14 days, brush or broom walls to remove any loose sand.
- .

C. Category II, [New Drywall][New Blueboard][Unsealed Joint Compound]:

1. Preparation

- . General preparation.
- . Tape and mud Drywall and Blueboard seams; Level 1 [Level 2 for Ceilings] Prime: Sanded primer elite on outside corners two (2) coats.
- .

2. Application:

- . 1st coat: Enjarre.
- . Texture: See Finish Schedule at end of Section.
- . Compression.
- . After 14 days, brush or broom walls to remove any loose sand.
- .

D.

E. Category III, [Unfinished Adobe, Cob or Rammed Earth][Rastra R or Perform Wall TM][Foam Building Form Blocks][Sealed, Painted and Unsealed Brick or Concrete Block][Aerated Autoclaved Concrete Blocks][Unsealed Monolithic Concrete]: [Unsealed Mud Plaster] [Unsealed Lime Plaster] [Unsealed Porous Stone]: 2 coat system.

1. Preparation:

- . General Preparation.
- .

2. Application:

- . 1st coat: Enjarre™.
- . 2nd coat: [Enjarre™ when necessary to achieve desired texture]
- . Compression.
- . Texture: See Finish Schedule at end of Section.

- . After 14 days, brush or broom walls to remove any loose sand.

F. Category IV, Walls with a Combination of Materials: 1 to 4 coat system.

1. Preparation:

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- . Even out suction rates with a water-borne primer first, then re-check wall preparation needs.

2. Application:

- . 1st coat: Enjarre.
- . 2nd coat: [Enjarre™ when necessary to achieve desired texture]
- . Compression.
- . Texture: See Finish Schedule at end of Section.
- . After 14 days, brush or broom walls to remove any loose sand.

3.11 SEALER

A. Sealer: Apply 1-2 coats at [kitchen] [bathroom] [shower] [damp] areas [indicated on Drawings].

1. [Wax Seal: Apply wax directly to the surface with a rag and work into the surface.]
2. [Oil Sealer: Brush or rag-apply in accordance with sealer manufacturer's instructions for porous substrates.]
3. [Acrylic Masonry Sealer: Spray-apply in accordance with sealer manufacturer's instructions for porous substrates.]
4. [Liquid Potassium or "Water Glass": Spray-apply in accordance with sealer manufacturer's instructions for porous substrates.]

3.12 CLEANING

- . Unsealed Clay Veneer Plaster: Clean with barely damp sponge and water. Do not use cleansers.
- . Sealed Clay Veneer Plaster: Clean with damp sponge and water. Do not use cleansers.

3.13 PROTECTION

- . Protect wall [and ceiling] finish from construction damage. Repair damage, remove protection, and clean prior to Substantial Completion.

3.14 REPAIR AND MAINTENANCE

A. Touch-Up:

1. Clay Veneer Plaster Layer: If veneer plaster is still evident underneath affected area, lightly wet the area with a sponge and water.
2. Bonding Failure: If patch is necessary due to a lack of bonding agent on the substrate, apply more primer and then apply the clay veneer plaster. After the veneer plaster has set, use a sponge along the build seam between the patch and original material. Blend the seam with a circular

motion. Smooth the seam with the appropriate tool for the final surface desired and allow patch to dry. If during the smoothing process, there are sponge marks (light streaky areas), use a very damp sponge to remove the streaks.

3. Cracks larger than 1/16 inch: Create a barrier between the crack and patch to keep the crack from translating to the surface. Remove veneer plaster down to the substrate and repair crack. Prime the repaired area as required and complete the repair as indicated above.

B. Maintenance:

1. Lightly wipe with a clean damp sponge or cloth to remove surface stains and marks. Do not use harsh cleaners or abrasive cloths.

2. Surface Cracks: Mist area with vinegar water (1 to 4 ratio of vinegar to water). Smooth with sponge or trowel.

3. Settling Cracks or Mars Larger than 1/16 inch: Fill with new material as specified in “Touch-Up” article above.

3.15 SCHEDULE

A. Location:

1. System: Enjarre

2. Color:

3. Finishes:

- . [Smooth.]
- . [Textured.]
- . [Smooth and textured.]

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- . [Blended mottled color.]
- . [Distinct mottled color.]
- . [Skip-Trowel.]
- . [Match Architect’s sample.]

4. Sealer:

B. Location:

1. System: Enjarre [American Clay finish coat upgrade]

2. Color:

3. Finishes:

- . [Smooth.]
- . [Textured.]
- . [Smooth and textured.]
- . [Blended mottled color.]
- . [Distinct mottled color.]

- . [Skip-Trowel.]
- . [Match Architect's sample.]

4. Sealer:

END OF SECTION 09216