MANUFACTURER'S SPECIFICATIONS
SECTION 09220 EXTERIOR-INTERIOR LIME PLASTER

LE DECOR LIMEPLASTER

PART I - GENERAL

1.1 General

A. This is a manufacturer's short form specification. Contact TransMineral USA, Inc. for additional information.

1.2 System Description

A. Le Decor LimePlaster is a limestone plaster made of hydraulic binding materials (natural hydraulic lime) and mineral charges.

B. Design Requirements:
1. Structure to be designed in such a way as to minimize the transfer of stress from building movements to the plaster skin.
2. Fabricate vertical elements to limit finish surface to 1/180 deflection under lateral point load of 100 lbs. (445N).
3. Fabricate horizontal elements to limit finish surface to 1/360 deflection under superimposed dead loads and wind uplift loads.
4. Acceptable substrate include: Brick, masonry, cement plaster, exterior cement and calcium silicate boards.
5. Acceptable substrate for use with wire mesh reinforcement or metal lath include: drywall, plywood, or wood/steel structure.

1.3 Quality Insurance

A. Application: Company specializing in plaster work.

1.4 Submittals

A. Provide product data with characteristics and limitations of product specified.

B. Submit manufacturer's installation instructions.

1.5 Field Samples

A. Provide sample panels 2' x 2' minimum illustrating surface finish and color.

B. Locate where directed.

C. Accepted sample may remain as part of the work.

1.6 Environmental requirements

A. Store all materials protected from weather and humidity.

B. The ambient and wall temperature shall be 40°F minimum and 85°F maximum and shall remain thus for at least 48 hours after installation.

PART 2 - PRODUCTS

2.1 Acceptable Manufacturers: All Le Decor LimePlaster supplied components shall be obtained from TransMineral USA, Inc. or its authorized distributors.

2.2 Base Coat Material

A. Lime compatible cementitious base coat (ASTM E 136 - ASTM C91).

B. Water: Clean, fresh, potable and free of mineral or organic matter.

C. Bonding Agent (ANSI/ASTMC-631) Latex type recommended if required 2 to 10% of the amount of water required.

2.3 Finish Coat: Finish coat Le Decor LimePlaster manufactured by TransMineral colored or natural with a granulometry from 0 to 1/8".

2.4 Furring & Lathing: On lathed construction, apply scratch coat to lathing installed in accordance with ASTM C 1063. Sheathed substrates require 1 layer of grade D building paper. Wood based substrates require 2 layers of grade D building paper.

2.5 Plaster Mixes

A. Base coat: mixing ratio per manufacturer's instructions.

B. Finish coat: One 49.5 lbs. (22.5 kg) bag of hydraulic binder and three 55 lb. (25 kg) bags of mineral aggregate (mineral charge).

C. Mix only as much as can be used in two (2) hours.

D. First, mix materials dry, until uniform color and consistency are achieved before adding water. Minimize the amount of water by doubling the time of mixing (12 minutes minimum) to achieve required consistency.

D. Protect mixtures from frost, contamination and evaporation.

E. Do not retemper mixes after initial set has occurred.

PART 3 - EXECUTION

3.1 Inspection

A. Verify that surfaces and site conditions are ready to receive work.

B. Masonry: Verify joints are cut flush and surface is ready to receive work of this Section. Verify nobituminous or water repellent coatings exist on masonry surface.

C. Concrete: Verify surfaces are flat, honeycomb is filled flush, and surface is ready to receive work of this Section. Verify no bituminous, water repellent, or form release agents exist on concrete surface that are detrimental to plaster.

D. Grounds and Blocking: Verify items within walls for other Sections of work have been installed.

E. Mechanical and Electrical: Verify services within walls have been tested and approved.

F. Beginning of installation means acceptance of existing conditions.

3.2 Preparation

A. Protect surfaces near the work of this Section from damage or disfiguration.

B. Saturate substrate to a maximum, one day before applying finish coat. Humidify substrate before final application.

C. Clean concrete surfaces of foreign matter. Clean surfaces using acid solutions, solvents, or detergents. Wash surfaces with clean water. These operations should be carried out with high pressure warm water.

D. Roughen smooth surfaces.

3.3 Installation - Lathing Materials

A. Apply one or two ply of felt underlayment over substrate: weather lap edges 4" (100 mm) minimum. Fasten in place.

B. Apply metal lath accordingly with manufacturer's instructions for different substrate.

3.4 Control and Expansion Joints

A. Locate interior control and expansion joints every 12 feet maximum.

B. After initial set, scribe contraction joints in exterior work every 12 feet in each direction by cutting through 2/3 of the plaster maximum depth, neatly, in straight lines.

C. Locate exterior control and expansion joints every 12 feet maximum in each direction.

D. Establish control and expansion joints with specified joint device.

E. Coordinate joint placement with other related work.

3.5 Plastering / Pouring

A. Apply base coat to a nominal thickness of 3/8" to1/2" and a finish coat to a nominal thickness of 1/4" to 3/8" over substrate.

B. Base coat shall not be flattened but roughened to allow for bonding of finish coat.

C. Hand or Machine: Apply finish coat and wood float to a smooth and consistent finish minimum seven (7) days after applying base coat.

D. Finish: smoothed, scratched, brushed, etc.

3.6 Tolerances

A. Maximum variation from true flatness: 1/4" in 10 feet.

*** Important Note: all substrates or base coats must present a rough surface in order to allow for proper bonding of the finish coat.**

END OF SECTION