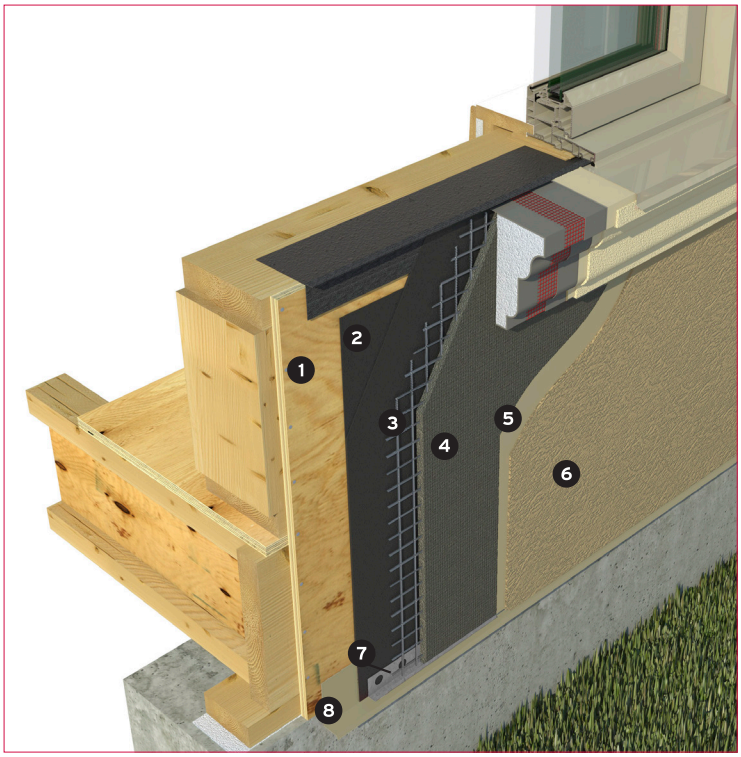

1. SUBSTRATE
2. WEATHER RESISTANT BARRIER - 2 LAYERS
3. GALVANIZED WIRE MESH
4. DRYMIX BRAND CODEMIX
5. PRIMEX PRIMER
6. ADEX FINISH COAT
7. PLASTER STOP
8. METAL FLASHING

Description

The adex-PRIMA STUCCO system is a cladding assembly that incorporates Adex acrylic finish coatings installed over a proprietary, code-conforming stucco (portland cement plaster) base coat. The base coat is factory-blended and engineered to reduce shrinkage and cracking. The Adex finish coat provides increased weather-fastness and aesthetic value. The finishes are available in several textures and a wide range of colours. The system affords creative architectural design with the use of reveals, battens and cornice details.

Benefits

- Durable
- Resists dirt, fading and abrasion
- Pest resistance
- Low Maintenance Costs
- Fire resistant
- Earthquake Performance
- Impact resistance

Features

- Unlimited colour selection
- Architectural Design Flexibility
- Simple installation
- Economical

System Specification

PART 1 GENERAL

1.1 RELATED SECTIONS

1. Section 01 40 00: Quality Requirements
2. Section 03 30 00: Cast-in-Place Concrete
3. Section 04 20 00: Unit Masonry
4. Section 05 40 00: Cold-Formed Metal Framing
5. Section 06 10 00: Rough Carpentry
6. Section 07 25 00: Weather Barriers (Vapour / Air Barriers)
7. Section 07 60 00: Flashing and Sheet Metal
8. Section 07 90 00: Joint Protection
9. Section 08 00 00: Openings
10. Section 09 28 00: Backing Boards and Underlayments
11. Section 09 90 00: Painting and Coating

1.2 DESCRIPTION

1.2.1 The adex-**PRIMA STUCCO** system is a cladding assembly that incorporates Adex's acrylic finish coatings installed over a proprietary, code-conforming stucco (portland cement plaster) base coat. The base coat is factory-blended and engineered to reduce shrinkage and cracking. The Adex finish coat provides increased weather-fastness and aesthetic value. The finishes are available in several textures and a wide range of colours. The system affords creative architectural design, with the use of reveals, battens and cornice details.

1.2.2 The adex-**PRIMA STUCCO** system consists of the following components:

- Weather Resistant Barrier (WRB) applied over the substrate (as per 9.27.3.3 of the National Building Code (NBC));
- Metal lath and trim accessories (as per Section 9.28.4 of the NBC);
- DRYMIX Brand CODEMIX™ proprietary stucco mix (meeting the requirements of Section 9.28 of the NBC);
- ADEX 100% acrylic primer coat (optional);
- ADEX 100% acrylic-polymer finish coat.

1.3 REFERENCE STANDARDS

1.3.1 National Building Code of Canada (NBC), Section 9.28 Stucco

1.3.2 Portland Cement Association (PCA) Plaster (Stucco) Manual;

1.3.3 Alberta Wall & Ceiling Association (AWCA) Stucco Resource Guide;

1.3.4 Canadian Standards Association (CSA):

- CSA A23.1-94, Concrete Materials;
- CSA B111-1974, Wire Nails, Spikes and Staples;

1.3.5 Canadian General Standards Board (CGSB):

- CGSB CAN2-51.32-M77, Sheathing Membrane, Breather Type;

1.3.6 Federal Specifications:

- FS UU-B-790a, Building Papers;

1.3.7 ASTM Standards:

1.3.7.1 ASTM B117, Standard Practice for Operating Salt Spray (Fog) Apparatus;

1.3.7.2 Thawing;

1.3.7.3 ASTM C150, Portland Cement;

1.3.7.4 ASTM C666, Standard Test Method for Resistance of Concrete to Rapid Freezing and ASTM C847, Standard Specification for Standard Specification for Metal Lath;

1.3.7.5 ASTM C897, Standard Specification for Aggregates for Job-Mixed Portland Cement Plaster;

1.3.7.6 ASTM C926, Standard Specification for Application of Portland Cement-Based Plaster

1.3.7.7 ASTM C1063, Standard Specification for Installation of Lathing and Furring for Portland Cement Plaster;

1.3.7.8 ASTM D522, Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings;

1.3.7.9 ASTM D523, Standard Test Method for Specular Gloss;

1.3.7.10 ASTM D822, Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings;

1.3.7.11 ASTM D1784, Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds;

1.3.7.12 ASTM D2370, Standard Test Method for Tensile Properties of Organic Coatings;
1.3.7.13 ASTM D4541, Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers;
1.3.7.14 ASTM E96, Standard Test Methods for Water Vapor Transmission of Materials;
1.3.7.15 ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen;
1.3.7.16 ASTM E330, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference;
1.3.7.17 ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference;
1.3.7.18 ASTM G 155, Standard Practice for Operating-Xenon Arc Light Apparatus, for Exposure of Non-metallic Materials.

1.4 DESIGN REQUIREMENTS

1.4.1 All work undertaken must comply with the current national building codes and norms, best practice guides, as well as the manufacturer's installation instructions.
1.4.2 The substrate shall be engineered to withstand all applicable loads, including live, dead, seismic, suction, etc.
1.4.3 adex-PRIMA STUCCO applications shall be sloped a minimum of 6:12 to allow for positive drainage.
1.4.4 Substrate conditions:
1.4.4.1 Sheathing substrates shall be sound, dry and free of dust, dirt, and other contaminants.
1.4.4.2 Substrate dimensional tolerances: Plumb and level with maximum variance of 6.4 mm (1/4" inch) over any 1.2 m (4 ft) radius to ensure a uniform thickness of the base coat.
1.4.4.3 Maximum deflection of substrate assembly under positive or negative loads shall not exceed L/360 of span.
1.4.4.4 The substrate shall be protected with a waterproofing membrane sealed at all joints and openings.
1.4.5 Expansion Joints:
1.4.5.1 Sheathing substrates shall be sound, dry and free of dust, dirt, and other contaminants.
1.4.5.2 Continuous expansion joints shall be installed at the following locations:
a) At floor levels of all buildings;
b) At floor levels where a deflection track is present;
c) Anywhere there is an existing expansion joint in the building;
d) Where dissimilar materials or substrates meet;
e) Where deflection higher than L/240 is expected.
1.4.5.3 As per ASTM C1063, vertical walls shall have a maximum continuous area of 13.4 m2 (144 ft2) without expansion/control joints. Horizontal applications shall not have a continuous area greater than 9.3 m2 (100 ft2) without expansion/control joints. The distance between expansion joints shall not exceed 5.5 m (18 ft) in either direction or a length-to-width ratio of 63 – 25 mm (2-1/2" to 1" inch).
1.4.5.4 Location and frequency of expansion/control joints shall be detailed by the Design Professional and shown on all drawings where applicable.

1.5 QUALITY ASSURANCE

1.5.1 Manufacturers
1.5.1.1 Acrylic finish coat manufacturer shall be Adex Systems Inc.
1.5.1.2 DRYMIX Brand CODEMIX™ basecoat manufacturer shall be Target Products Ltd.
1.5.1.3 The manufacturers of weather resistant barriers, lath, fasteners, and all other third-party materials shall meet the requirements of the local building authorities and/or applicable standards.
1.5.2 Applicators
1.5.2.1 Applicators shall be approved by Adex Systems Inc (the manufacturer).
1.5.2.2 Applicator shall have a minimum of (2) two-years of experience in applying stucco systems and employ sufficient, knowledgeable personnel to complete the work on schedule.
1.5.2.3 Applicator shall follow all manufacturer's directions and all applicable standards and codes when installing system components.
1.5.3 Inspection
1.5.3.1 System Manufacturer or Representative shall inspect completed work by the Applicator based on the schedule set forth by the Design Professional.

1.6 DELIVERY & STORAGE

1.6.1 Deliver all materials to the job site in their original unopened packages, clearly marked with the manufacturer's name, and description of contents.

1.6.2 Store in a clean, dry, well-ventilated area and store Adex acrylic finish coatings at a temperature not less than 4ºC (40ºF).

1.6.3 Protect materials from the elements of weather, and keep away from excessive heat (temperatures above 32ºC (90ºF)).

1.6.4 Remove wet, frozen, damaged or detrimental materials from site immediately.

1.7 ARCHITECTURAL SAMPLES

1.7.1 Adex or its distributor to provide a minimum 200mm x 200mm (8"x8") sample for colour and texture approval. Approved samples shall be maintained and available at job site.

1.7.2 Do not start any final work until the Consultant gives final approval of sample(s).

1.8 JOB MOCK-UP

1.8.1 Construct a mock-up panel on site as part of the actual wall on an area as indicated by the Consultant. The approved mock-up panel shall form a standard for the project and no work of inferior quality will be accepted. The mock-up shall match sample panel(s) submitted to the Consultant as described in paragraph 1.7.1 of this Section.

1.9 JOB CONDITIONS

1.9.1 Ambient and surface temperatures shall be minimum 4ºC (40ºF) during installation.

1.9.2 When installing in climatic temperatures below 4ºC (40ºF), tarping, heating and ventilation shall be provided to maintain proper installation temperatures. Maintain protection in place until completion of work.

1.9.3 Ambient temperature shall be maintained above 4ºC (40ºF) and rising for a minimum of 48 hours after installation to ensure that drying is complete. Allow for extended drying times in cool, higher humidity conditions. Maximum ambient air temperature must be 49ºC (120ºF). Protect stucco from uneven and excessive evaporation during hot, dry weather and/or take measures to properly moist-cure the stucco.

1.9.4 Installation of materials within this specification shall be coordinated with other construction trades.

1.10 ALTERNATIVES

1.10.1 Systems considered equivalent to adex-PRIMA STUCCO shall be approved by the architect, in writing, at least ten (10) working days prior to the project bid date.

1.11 WARRANTY

1.11.1 Upon request, Adex Systems Inc. shall provide a (5) five-year limited warranty, stating that the materials conform to specifications and are free of manufacturing defects. A (10) ten-year warranty is available when specifying the following components and registering the project with Adex. Please consult an Adex representative for further details.

- Adex fluid applied air barrier membrane (HYDROFLEX WO or HYDROFLEX SEAL) as a primary WRB
- DRYMIX Brand CODEMIX stucco basecoat
- Adex primer coat (PRIMEX)
- Adex's elastomeric finish coat (ELASTICOAT FINE or MEDIUM)

1.11.2 Upon request, the stucco applicator will provide a minimum (2) two-year warranty on workmanship and installation from date of substantial completion.

PART 2 PRODUCTS

2.1 MANUFACTURER

2.1.1 All components of the adex-PRIMA STUCCO system shall be obtained from Adex Systems Inc. or its authorised distributors. No substitution or addition of other material is permitted without written consent from the manufacturer.

2.2 PRODUCTS

2.2.1 Weather Resistant Barrier

2.2.1.1 Shall conform to CAN/CBSB-51.32-M as per 9.27.3.2 of the National Building Code (NBC).

Choose one of the following:

2.2.1.2 Two (2) layers of No.30 (ASTM D 226-97a) Grade D paper, over all sheathing substrates; or equivalent as required by current national and local codes.

2.2.1.3 One (1) inner layer of spun-bonded polypropylene weather membrane (ASTM E- 1677-95) and one (1) outer layer of No.30 (ASTM D 226-97a) Grade D paper membrane.

2.2.1.4 One (1) application of Adex HYDROFLEX membrane (WO or SEAL) including joint treatment and one (1) outer layer of No.30 (ASTM D 226-

97a) Grade D paper membrane. See Warranty Section 1.11.1.

NOTE: Select the HYDROFLEX membrane for increased warranty.

2.2.1.5 For other configurations, including furring, and drainage mats, please consult an Adex representative.

NOTE: It is recommended to install a No.30 (ASTM D 226-97a) Grade D paper as the outer (second) layer. Doing so will insure proper release from the stucco basecoat when it dries. Spun-bonded polypropylene fibre building wraps can strongly adhere to stucco basecoats. This is less of an issue when installing furring or an approved drainage mat.

NOTE: Two layers of WRB are required to create a capillary break between the sheathing and the stucco.

NOTE: Design and location of all air and vapour barriers are the responsibility of the Design Professional.

2.2.2 Lath & Trim Accessories

2.2.2.1 Shall conform to ASTM C847 and C1063 lathing and furring.

2.2.2.2 Exterior Lath: Minimum 16-gauge, galvanized self-furred stucco wire as per the NBC subsection 9.28.4. Expanded metal diamond lath 1.35 Kg/m2 (2.5 Lb/yd2) may also be used in accordance with applicable building codes.

2.2.2.3 Terminations: 26-gauge metal J-Trim or Stucco plaster stop, general-purpose type with expanded or perforated flanges.

2.2.2.4 Corner Reinforcement: Welded wire, 18-gauge, galvanized pre-formed corner reinforcement made from 0.059 Kg/m2 (1.7 Lb/yd2) diamond mesh lath.

2.2.2.5 Square Edge Casing Beads: Expanded or flanged to suit application (to create square corners).

2.2.2.6 Round-Edged Casing Beads: Expanded or flanged to suit application (to create rounded corners).

2.2.2.7 Control Joints: Single component control joints with 6.25 mm (1/4" inch) slot and 19 mm (3/4" inch) grounds, or equal.

2.2.2.8 Expansion Joints: Two-piece adjustable expansion joints, free floating adjustments from 6.25 mm (1/4" inch) to 15.6 mm (5/8" inch).

2.2.2.9 Weep Screeds: Foundation weep screed, with perforations and minimum 88.9 mm (3-1/2" inch) vertical attachment flange.

2.2.2.10 Wall Penetrations: 1.84 Kg/m2 (3.4 Lb/yd2) density expanded metal strip lath, 100 mm (4" inch) wide to be used around all windows, doorways, wall openings.

2.2.2.11 Soffits: 1.84 Kg/m2 (3.4 Lb/yd2) density expanded metal lath for use on all soffits and overhangs as shown on drawings.

2.2.3 Mechanical Fasteners

2.2.3.1 Refer to Section 9.28.4.6 of the NBC 2010 for fastening of stucco lath.

2.2.3.2 All Fasteners for attaching lath shall be made of galvanized steel.

2.2.3.3 Fasteners for wood framing members:

a) Staples - Staples shall be 16-gauge with a minimum 3/4" inch (19 mm) crown and shall engage not less than three strands of lath. They shall be of sufficient length to penetrate wood-based sheathings and framing members:
- a minimum 25mm (1" inch) into vertical wood structural members, and
- a minimum 44 mm (1-3/4" inch) into overhead horizontal wood structural members, and
- For non-wood based sheathing, staples shall penetrate the wood framing members a minimum of 25mm (1" inch).

b) Nails - Galvanized roofing nails, minimum 11 mm (7/16" inch) diameter head with length (1-1/2" typical) sufficient enough to penetrate into wood structural members a minimum of 19 mm (3/4" inch) and engaging not less than three strands of lath.

c) Screws - Screws shall penetrate into wood structural members a minimum of 19 mm (3/4" inch) engaging not less than three strands of lath.

i. Screws for expanded metal lath: minimum 11 mm (7/16" inch) diameter wafer head.

ii. Screws for woven wire stucco mesh or welded wire lath: bugle head screw with minimum 25 mm (1" inch) diameter G60 galvanized steel washer (with center countersink).

2.2.3.4 Fasteners for metal framing members:

a) Screws shall project through framing members not less than 9.5mm (3/8" inch) and shall not have less than three full diameter threads projecting through the framing member.

b) Screws for expanded metal lath: minimum 11 mm (7/16" inch)

diameter wafer head.
c) Screws for woven wire stucco mesh or welded wire lath: bugle head screw with minimum 25 mm (1" inch) diameter G60 galvanized steel washer (with center countersink), but not less than 25 mm (1" inch) for woven wire or welded wire lath.

2.2.3.5 Fasteners for concrete and concrete masonry:
a) Screws for expanded metal lath: minimum 11 mm (7/16" inch) diameter wafer head.
b) Power driven pins of sufficient length to penetrate 19 mm (3/4" inch) or threaded fasteners inserted to the fastener manufacturer's specified depth. Washer diameter for fasteners as specified by the fastener manufacturer.

2.2.4 Stucco Basecoat Materials

2.2.4.1 Shall be DRYMIX Brand CODEMIX™, a factory blended, proprietary mixture of graded sand, cement, lime, fillers and admixtures that is engineered to:
a) Meet all National Building Code requirements
b) Greatly reduce shrinking and cracking
c) Be a complete factory mix for controlled quality
d) Contain clean, graded and blended sand
e) Be tested to stringent quality control standards

TYPICAL PROPERTIES OF CODEMIX™

SAND QUALIFICATION
Relative tests as per NBC, ASTM C144, CSA A23
CEMENT
Type GU Portland
AIR CONTENT
8 - 12%
COMPRESSIVE STRENGTH
13 mPa
FIBRES
Alkaline resistant glass or nylon
MILDEW RESISTANCE TEST
MIL STD-810B: Method 508
STUCCO WEIGHT
Approx. 35.16 Kg per m2 or 29.4 Kg. per sq. yd. @19mm. (3/4") thickness
SOUND TRANSMISSION
OITC (Outdoor-Indoor Transmission class) 1/3 octave bands from 50 to 5000 Hz. Taken from NRC/CNRC report NRCC-44764 (1)

(1) Compared to a base wall with vinyl siding attached, a 9.5 mm coating of cement stucco rated a score of 29 compared to 25 for the base wall with vinyl siding. A full thickness wall would increase the benefit for most frequencies.

2.2.5 Batten and Foam Details

2.2.5.1 Components:
a) Insulation - Type 1 expanded polystyrene made from virgin material with a nominal density of 16 Kg/m3 (1 Lb/ft3) and conforming to CAN-ULC S701-01. Thickness is variable between 25mm (1") and 125mm (5").
b) Reinforcing Mesh - Adex Standard Mesh, nominal 150 g/m2 (4.5 oz./yd2) weight open-woven, glass-fibre fabric with alkaline-resistant coating.
c) Adhesive/Basecoat - 100% acrylic-based base coat, such as Adex BASECOAT, mixed with Type GU Portland cement.

2.2.5.2 All battens made of expanded polystyrene (EPS) shall be installed to the stucco basecoat by bonding them with ADEX BASECOAT adhesive.

2.2.5.3 All batten details extending more than 50mm (2") beyond the basecoat must have an outward-facing slope (minimum of 22º degrees) to prevent moisture from accumulating on them.

2.2.5.4 All cornice and parapet details shall be cap-flashed regardless of slope.

2.2.6 Primer

2.2.6.1 Shall be a tinted, acrylic-based, roll-on priming agent, such as PRIMEX primer, manufactured by Adex Industries Inc. PRIMEX primer is not mandatory but highly recommended as it will enhance the depth of colour, increase the yield of finish coat, and

enhance the longevity of the finish coat. PRIMEX primer is required for all sprayed finish coat applications.

NOTE: Select the PRIMEX primer for increased warranty.

2.2.7 Finish Coat

2.2.7.1 Shall be a factory-mixed, 100% acrylic-based Adex Finish Coat, containing integral colour and texture.

2.2.7.2 The texture shall be [See the Adex Specification Binder or visit www.adex.ca to view the various textures].

NOTE: Select the Adex ELASTICOAT finish (FINE or MEDIUM) for increased warranty.

2.2.8 Finish Coat Testing: Adex finish coatings have been tested in accordance with, and exceed the following tests and methods. Tests performed by an independent laboratory on the specified finish materials can be requested:

TESTS
WATER VAPOUR PERMEABILITY
ASTM E96, Method A
ADHESION
EIMA 101.03 (Requirement > 100 Kpa)
ACCELERATED WEATHER TEST
ASTM G23 (exposed 2000 hrs):
ABRASION RESISTANCE TEST
ASTM D968, Method A
FREEZE-THAW RESISTANCE TEST
ICBO EIFS Criteria: Section 6.5
MILDEW RESISTANCE TEST
MIL STD-810B: Method 508

2.2.9 Fire Performance: In Canada reference must be made to the applicable Provincial or National Building Code (NBC 2010), Appendix D for cement plaster contribution to fire rated walls. For wood and steel framed walls, fire ratings can be determined up to 90 minutes by adding contributions of components shown in Appendix D-2.3 of the code. A similar calculation must be done for each side of a given wall assembly.

PART 3 EXECUTION

3.1 INSTRUCTIONS

3.1.1 Comply with all local standards and manufacturer's instructions for installation of stucco base coats and acrylic finish coats.

3.2 INSPECTION

3.2.1 Prior to installation of the adex-PRIMA STUCCO system, the applicator must examine the substrate as follows:

3.2.1.1 Exterior sheathing material shall be of a type approved for use in accordance with Building Code requirements and shall be selected to provide the greatest long term durability.

3.2.1.2 Code-conforming wood-based sheathings must be gapped 1/8 inch (3 mm) between panels.

3.2.1.3 Substrate shall be examined for soundness, and/or other harmful conditions.

3.2.1.4 Substrate shall be free of dust, dirt, efflorescence, and other contaminants.

3.2.1.5 Substrate shall be free of moisture damage.

3.2.1.6 Notify contractor of discrepancies preventing installation of the stucco assembly.

3.2.2 Verify that the weather resistant barrier and flashings are installed in compliance with requirements of applicable codes, regulations, and agencies having jurisdiction.

3.2.3 Verify that lath is tight, properly secured, and that all accessories are properly set.

3.2.4 Isolation: Where lath and metal support assembly abuts building structure horizontally, and where partition wall work abuts the overhead structure, isolate work from structure movements. Install expansion or control joints to absorb deflections but maintain lateral support. Frame both sides of expansion joints separately and do not bridge joints with furring or lath.

3.2.5 Examine substrates, grounds and accessories to insure that finished stucco work will be true to line, plane, level and plumb.

3.3 PREPARATION

3.3.1 Ensure conduit pipes, cables and outlets are adequately covered before commencing with installation.

3.3.2 Adjacent finish work (such as brick, siding, concrete, etc.) must be protected

from damage during the installation of materials in this section.

3.4 PREPARATION FOR MASONRY SUBSTRATES: DIRECT BOND APPLICATIONS

3.4.1 Verify that masonry and concrete surfaces to receive direct bond applications of stucco base coats are rough, free from form release agents and otherwise properly prepared to provide for adequate bond.

3.4.2 Apply a uniform coating of the acrylic bonding agent in accordance with manufacturer's recommendations and instructions.

3.5 STUCCO BASECOAT MIXING

NOTE: ALWAYS USE AN APPROVED DUST MASK WHEN LOADING MIXER WITH DRY MATERIALS.

3.5.1 DRYMIX Brand CODEMIX™ is ready-mixed except for measured amounts of clean potable water. Do not add any other ingredients. It is important to understand that the DRYMIX Brand CODEMIX™ product is already thoroughly mixed. It only requires wetting out.

3.5.2 With mixer running,

3.5.2.1 Add 20 litres of clean potable water.

3.5.2.2 Add 3 bags of DRYMIX Brand CODEMIX™ (120 kg)

3.5.2.3 Add approximately 18 litres of water

3.5.2.4 Add 3 bags of DRYMIX Brand CODEMIX™ (120 kg)

3.5.3 For Brown Coat application ONLY; up to 5 kg of base coat sand, meeting the standard of ASTM C144, can be optionally added per 40 kg bag of DRYMIX Brand CODEMIX™.

3.5.4 When all material is in mixer, mix for approximately 2 to 3 minutes until no dry parts are evident. At this point the mix should be slightly wetter or of higher flow than desired for spreading.

3.5.5 Stop mixer for 10 to 20 minutes. This will allow the lime to fatten and all other ingredients to absorb the water. Mix will continue to thicken (Longer is better because lime can require up to 30 minutes to achieve its optimum plasticity.)

3.5.6 Restart mixer for 1/2 minute before adding additional water. Add additional water carefully.

3.5.7 Mix for 1 to 2 more minutes. Once the material has its required water, minimal change will be experienced during application.

3.5.8 Cover mixer during hot weather. Use mix within 1.25 hour from final mixing. NOTE: Pro-longed mixing will entrain excessive air and reduce the strength. Do not leave mixer running continuously!

3.6 INSTALLATION OF DRYMIX BRAND CODEMIX™ STUCCO

3.6.1 The applied thickness of stucco first (scratch) and second (brown) coats shall be in accordance with local building codes.

3.6.2 Apply DRYMIX Brand CODEMIX™ stucco base coats to the entire wall panel or soffit surface without interruption or cold joints using trowel or machine.

3.6.3 Apply a 10mm to 13mm (3/8" to 1/2") thick stucco first (scratch) coat with sufficient material and pressure to completely embed the lath. Ensure the scratch coat is thick enough to allow for a uniform and shallow scoring (scratching) of the cement plaster surface.

3.6.4 Score the surface of the first (scratch) coat to a depth of approximately 2 mm (1/8") as soon as the stucco material is firm. Vertical surfaces shall be scored horizontally.

NOTE: Select either conventional or double-back method below.

3.6.5 Using the conventional method, cure the first (scratch) coat for a minimum of seven (7) days before applying the second (brown) coat on soffit areas and walls. Ensure the first coat is fully cured before application of second coat.

3.6.6 Apply a 9mm to 12mm (3/8" to 1/2") thick stucco second (brown) coat over the first coat with sufficient material and pressure to ensure a tight uniform bond to the first coat. Where required, apply a fine spray of clean water to first coat, so as to dampen it only. Do not saturate. Allow water sheen to disappear before applying the second coat.

3.6.7 After it has set (and moisture is still present) rod the second (brown) coat to a true, even plane, filling surface defects with cement plaster and trowel-float the surface until uniform.

3.6.8 Using the double back method, except on soffits or on open frame construction, allow first (scratch) coat to cure until hard and rigid enough to accept the second (brown coat) without cracking or deformation.

NOTE: The double-back method of applying successive coats is recommended. This procedure has little or no delay between applying the second coat over the first coat. Advantages of the double back method are:

a) it creates a better bond between the two coats,
b) it provides for uniform curing of the base coat, and
c) it reduces delay on the project.

This method is not recommended for open-frame construction (vertical and horizontal surfaces) or on soffits.

3.6.9 Apply a 9mm to 12mm (3/8" to 1/2") thick stucco second (brown) coat over the first coat with sufficient material and pressure to ensure a tight uniform bond to the first coat (but not to deform or crack the first coat). Sufficient moisture should remain in the scratch coat to preclude pre-wetting. If required, apply a fine spray of clean water to first coat, so as to dampen it only. Do not saturate or allow wash-off to occur.

3.6.10 Rod the second (brown) coat to a true, even plane, filling surface defects with cement plaster and trowel-float surface uniformly after it has set and when moisture is still present in it.

NOTE: The floating process densifies the bisect, enhances water resistant characteristics, and provides a proper surface for the application of the finish coat and is particularly advantageous for acrylic finish coatings.

3.6.11 Total thickness of the DRYMIX Brand CODEMIX™ stucco shall be 19mm (3/4 inch) or in accordance with thickness requirements from local building codes.

3.6.12 Cure the second (brown) coat a minimum of seven (7) days after it has been applied before starting application of finish coat.

3.7 PRIMER INSTALLATION

3.7.1 Apply an even coat of Adex PRIMEX primer (tinted to the same colour as the finish coat) with a good-quality paintbrush, 10mm (3/8") nap roller, or sprayer.

3.7.2 Allow Adex PRIMEX primer to dry before commencing with the Finish Coat.

3.8 FINISH COAT INSTALLATION

3.8.1 Trowel-apply a tight coat of Adex Finish Coat, texture [see Adex Specification Binder] to a thickness not greater than the largest aggregate. Apply the finish coat with a stainless steel trowel in a continuous fashion, maintaining a wet edge. Levelling and texturing shall take place in one operation to give the Adex Finish Coat a uniform appearance.

3.8.2 Avoid applications in direct sunlight.

3.8.3 Apply finish coat uninterrupted, maintaining a wet-edge, always working towards an architectural detail or break to ensure no cold joints.

3.8.4 Avoid applying finish coat at locations where caulking will be installed.

3.8.5 Weather conditions will be a factor in the application and drying time of the Finish Coat.

3.9 PROTECTION

3.9.1 Ensure that the general contractor protects all work against moisture infiltration and other damages by installing the necessary flashing and caulking in a timely manner.

3.9.2 Provide protection against dirt, moisture, high humidity, and freezing temperatures until materials are fully dry.

3.10 CLEAN UP

3.10.1 Repair damaged exterior wall finish coat to match surrounding finish.

3.10.2 Remove excess finish and protective materials from adjacent surfaces.

3.10.3 Remove all excess materials from the project site.

ALL REQUESTS FOR APPLICATION PROCEDURAL CHANGES MUST BE AUTHORIZED IN WRITING BY ADEX SYSTEMS INC.

System Specification

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September 2014