AcroWall CP Ultra Wall System
Premium impact and puncture resistant, rain screen design cement plaster stucco system with enhanced water management

1. Typical AcroWall CP Ultra Wall System with Steel Framing
2. Typical AcroWall CP Ultra Wall System with Wood Framing
3. Typical AcroWall CP Ultra Wall System with CMU
4. Typical Surface Control Joint
5. Typical Expansion Joint
6. Typical Drainage at Floorline
7. Typical Clad Window Jamb
8. Typical Clad Window Head
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10. Typical Primed Window Head
11. Typical Primed Window Jamb
12. Typical Primed Window Sill
13. Typical EPS Shape Application
14. Typical Termination at Soffit/Gable End
15. Typical Termination at Foundation
16. Typical Kick-out Flashing
17. Typical Termination at Deck
18. Typical Coping
19. Typical Corner Bead
20. Typical Downspout Application
21. Typical Pipe Penetration
22. Typical Light Fixture
23. Typical Dryer Vent
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Basic requirements for water-resistive barrier:
  - One layer minimum No.15 felt on non-wood based sheathing.
  - Two layers minimum Grade D on wood based sheathing.
  - Acrostop-R® with one layer minimum Grade D as slip sheet on wood and non-wood based sheathing.
  - The use of PermaLath requires the use of a polymeric water-resistive barrier.
  - Comply with applicable local building code.
• Basic requirements for Plaster Base:
  - StuccoBase 3/8” to 1/2” thickness:
    PermaLath, or min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
    StuccoBase min. 1/2” to nominal 7/8” thickness: PermaLath 1000 or min. 1 1/2” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• StuccoBase min. 3/8” thickness to max. 5/8” thickness. Thicknesses greater than 5/8” require the use of PermaLath 1000 or acceptable metal plaster base.

Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Provide control joints at a maximum 144 sq.ft. and placement as determined by the design professional.
• Install per requirements of ASTM C1063.
• Lath must be broken at the joint accessory.
Notes:

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Install expansion joints in the system at all changes in substrate, through existing expansion joints, and where movement is anticipated. It is the sole responsibility of the design professional to determine specific expansion joint location, placement and design.
- Install per requirements of ASTM C1063.
- Lath must be broken at the joint accessory.
- If using Acrostop-R, replace WS Wrap with WS Flash.

**TYPICAL EXPANSION JOINT**

- Framing *
- Acceptable Sheathing *
- Acrostop R
- Drainage Mat DF
- Permalath 1000 or 3/4 R-in yd
- Expanded Metal Lath
- Stuccobase
  - Min. 3/4" - Max. 7/8"
- Back to Back Casing/Stop Bead w/ Backer Rod and Sealant *
- Acrocrete Base Coat (Acrocrete Reinforcing Mesh Optional) or Acrocrete Stuccoprim
- Flashing Tape FT w/ Flashing Primer
- Acrocrete Finish
  - [* by others]

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**TYPICAL DRAINAGE AT FLOORLINE**

- Framing *
- Acceptable Sheathing *
- Acrostop R
- Drainage Mat DF
- Permalath 1000 or 3/4 R-in yd
- Expanded Metal Lath
- Stuccobase
  - Min. 3/4" - Max. 7/8"
- Acrocrete Sheathing Fabric Embedded in Acrostop R
- Casing/Stop Bead
- Flashing
- Backer Rod and Sealant *(Width per design)
- Casing/Stop Bead
- Acrocrete Base Coat (Acrocrete Reinforcing Mesh Optional) or Acrocrete Stuccoprim
- Acroflash w/ Flashing Primer
- Acrocrete Finish
  - [* by others]

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Notes:

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Water-resistive barrier shall be installed over flashing.
- Water-resistive barrier shall be installed up and behind flashing before terminating.
- Install per requirements of ASTM C1063.
- Lath must be broken at the joint accessory.
- It is recommended that a means for drainage is provided at every floor.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines. See Air/Water-Resistive/Vapor Barrier Application Guidelines technical bulletin.

• STUCCOBASE
  • MIN. 3/4” - MAX. 7/8”

- Provide end-dams at flashing terminations.
- If using Acrostop-R, replace WS Wrap with WS Flash.

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied over the head flashing. See Air/Water-Resistive/Vapor Barrier Application Guidelines technical bulletin.

• STUCCOBASE
  • MIN. 3/4” - MAX. 7/8”

- Provide end-dams at flashing terminations.
- If using Acrostop-R, replace WS Wrap with WS Flash.
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines. See Air/Water-Resistive/Vapor Barrier Application Guidelines technical bulletin.
• If using Acrostop-R, replace WS Wrap with WS Flash.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied into the rough openings.
- If using Acrostop-R, replace WS Wrap with WS Flash.

TYPICAL PRIMED WINDOW - JAMB

TYPICAL PRIMED WINDOW - SILL
**TYPICAL EPS SHAPE APPLICATION**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Overlap reinforced base coat onto StuccoBase a minimum of 76 mm (3").
- On horizontal projections greater than one inch maintain a minimum 6:12 slope.

**TYPICAL TERMINATION AT SOFFIT/GABLE END**

- Verify all materials are installed in accordance with installation instructions and applicable code.
**Notes:**
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Terminate Stucco Wall System a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum 50 mm (2") behind AcroWall CP Ultra Wall System.
- Kick-out flashing a minimum 100 mm (4") in height.
- Kick-out flashing shall be angled a minimum 100° with seams sealed or soldered.
- Ensure a means for drainage is provided at system termination at roof.

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**TYPICAL TERMINATION AT FOUNDATION**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Per ASTM C1063 terminate the stucco wall system a minimum of 102 mm (4") above raw earth and 51 mm (2") above paved surface.
- Water-resistive barrier shall be installed over weep screed flange.

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**TYPICAL KICK-OUT FLASHING**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Terminate Stucco Wall System a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum 50 mm (2") behind AcroWall CP Ultra Wall System.
- Kick-out flashing a minimum 100 mm (4") in height.
- Kick-out flashing shall be angled a minimum 100° with seams sealed or soldered.
- Ensure a means for drainage is provided at system termination at roof.
TYPICAL TERMINATION AT DECK

Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Water-resistive barrier shall be installed over flashing.
• Water-resistive barrier shall be installed up and behind metal flashing before terminating.

TYPICAL COPING

Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Extend coping a minimum of 51 mm (2") on to face of AcroWall CP Ultra Wall System and seal drip edge.
• Water-resistive barrier shall be installed up and over the top and extended down the other side.
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Attach corner bead over plaster base.
• Water-resistive barrier shall be installed continuous around corner a minimum of 305 mm (12").
• Corner bead shall be filled solid with StuccoBase.

Typical Corner Bead:

- FRAMING *
- ACCEPTABLE SHEATHING *
- ACROSTOP R
- PERMALATH 1050 OR 3.4 lb/ sq yd
- EXPANDED METAL LATH
- DRAINAGE MAT DF
- STUCCOBASE MIN. 3/4" MAX. 7/8"
- CORNER BEAD OR CORNER AID REINFORCEMENT *
- ACROCRETE BASE COAT (ACROCRETE REINFORCING MESH OPTIONAL) OR ACROCRETE STUCCOPRIME
- ACROCRETE FINISH

Notes:
• Properly seal all penetrations through the stucco wall system.

Typical Downspout Application:

- FRAMING *
- ACCEPTABLE SHEATHING *
- ACROCRETE FINISH
- DOWNSPOUT *
- SLEEVE *
- SEALANT *
- FASTENER SET IN SEALANT *
- DOWNSPOUT STRAP *
- STUCCOBASE MIN. 3/4" MAX. 7/8"
- PERMALATH 1050 OR 3.4 lb/ sq yd
- EXPANDED METAL LATH
- DRAINAGE MAT DF
- ACROSTOP R

(*) by others
TYPICAL PIPE PENETRATION

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Properly seal all penetrations through the stucco wall system.

TYPICAL LIGHT FIXTURE

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Properly seal all penetrations through the stucco wall system.
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Properly seal all penetrations through the stucco wall system.
Note
BASF Wall Systems is an operating unit of BASF Corporation (herein referred to as “BASF Wall Systems”)

Residential Policy
Apply wall systems in accordance with local building codes in force at the time of construction. On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for moisture drainage.

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