Acrowall-ES Plus Design
Water Drainage Class PB Exterior Insulation and Finish System

1. Typical Channeled Adhesive
2. Typical Application
3. Typical Application over CMU
4. Typical Application over Brick
5. Typical Aesthetic Reveal
6. Typical Corner Mesh Application with Acromesh 4, Intermediate 6 or 12
7. Typical Pipe Penetration
8. Typical Light Fixture
9. Typical Expansion Joint
10. Typical Expansion Joint at Change in Substrate
11. Typical Expansion Joint at Floorline
12. Typical Drainage at Floorline
13. Typical EIFS Abutment to Brick with Drainage at Floorline
14. Typical Termination at Foundation
15. Typical EIFS Abutment to Brick
16. Typical Termination at Foundation (Flush)
17. Typical Window Head (Flush)
18. Typical Window Head with Weep Tubes (Flush)
19. Typical Window Head with Diverter Track (Flush)
20. Typical Window Head (Recessed)
21. Typical Window Jamb (Flush)
22. Typical Window Sill (Flush)
23. Typical Window Jamb (Recessed)
24. Typical Window Sill (Recessed)
25. Typical Coping
26. Typical Parapet Cap
27. Typical Kick-Out Flashing
28. Typical Roof Edge Flashing
29. Typical Section at Fascia/Soffit
30. Typical Core Mounted Railing Attachment
31. Typical Railing Attachment
32. Typical Sign Attachment
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• Apply mixed base coat to entire surface of insulation board using a stainless steel trowel with 13 mm x 13 mm (1/2” x 1/2”) notches spaced 50 mm (2”) apart. Ribbons of adhesive must be applied parallel to the 610 mm (2’) dimension of the EPS insulation board to ensure they are vertical when the EPS insulation board is applied to the substrate.
• Set EPS insulation board into place and apply pressure over entire surface of board to ensure positive uniform contact and high initial grab. Do not slide board into place.

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at system termination.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination.
**Notes:**
- Verify all materials are installed in accordance with current installation instructions.
- Maintain a minimum 19 mm (¾") thick EPS insulation board behind all reveals & aesthetic grooves.
- Reinforcing mesh shall be continuous and care shall be taken to ensure reinforcing mesh is not cut during base coat application.
- Horizontal reveals shall provide for outward positive drainage.
- Reveals must not occur at the abutment of two pieces of EPS insulation board.

---

**TYPICAL AESTHETIC REVEAL**

**TYPICAL CORNER MESH APPLICATION WITH ACROMESH 4, INTERMEDIATE 6 OR 12**

**Notes:**
- Verify all materials are installed in accordance with current installation instructions.
- Ensure Acromesh 4, Intermediate 6 or 12 reinforcing mesh is lapped a minimum of 203 mm (8") around corners.
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced basecoat.
• Ensure all penetrations into the system are properly sealed.
• Provide continuous air seal around perimeter of penetration prior to EPS insulation board application.
• Do not apply finish to areas that will receive sealant.

TYPICAL PIPE PENETRATION

TYPICAL LIGHT FIXTURE
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Do not apply finish to areas that will receive sealant.
• Ensure drainage plane is continuous and unobstructed at expansion joint.
• Install expansion joints in the system at all changes in substrate, through existing expansion joints, floor lines in multi-level wood frame construction, and where movement is anticipated. It is the sole responsibility of the design professional to determine specific expansion joint location, placement and design.
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Do not apply finish to areas that will receive sealant.
• Install expansion joints in the system at all changes in substrate, through existing expansion joints, floor lines in multilevel wood frame construction, and where movement is anticipated. It is the sole responsibility of the design professional to determine specific expansion joint location, placement and design.
• It is recommended that a means for drainage is provided at every third floor. (See Detail 12)
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at system termination at brick.
• Brick ties not shown for clarity.
• Brick must be installed per local code requirements.

TYPICAL EIFS ABUTMENT TO BRICK WITH DRAINAGE AT FLOORLINE

TYPICAL TERMINATION AT FOUNDATION

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at system termination at foundation.
• Terminate system a minimum of 203 mm (8") above grade.
• Extend system a minimum of 50 mm (2") and a maximum of 305 mm (12") at the sole plate foundation transition.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a continuous drainage plane is maintained at system abutment to brick.
- Brick ties not shown for clarity.
- Brick must be installed per local code requirements.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at foundation.
- Place weep tubes a minimum of 610 mm (24") on center.
- Do not apply finish to areas that will receive sealant.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Provide continuous air seal around interior perimeter of window. Contact window manufacturer for specific installation instructions.

- Do not apply finish to areas that will receive sealant.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Provide continuous air seal around interior perimeter of window. Contact window manufacturer for specific installation instructions.
- Ensure that the diverter flashing extends 152 mm (6") beyond opening on either side of the opening to allow potential moisture to drain down the wall to the side of the opening. Self Adhering Mesh embedded in Acrostop, Sheathing Fabric embedded in Acrostop R or Acroflash must be extended over flange of flashing. Maintain a minimum of 19 mm (3/4") EPS insulation thickness. Ensure the diverter track flashing is sloped to provide a means for drainage.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Ensure a means for drainage is provided at system termination at soffit/fascia transition.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to EPS insulation board application.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to EPS insulation board application.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to EPS insulation board application.
- Ensure that metal pan flashing extends onto the system a minimum of 50 mm (2") down the face and that end dams are provided.
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure that metal coping/flashings extend onto the system a minimum of 50 mm (2") down the face.

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• Provide a minimum 6:12 slope for all horizontal surfaces. Acrocrete requires the use of a roofing system or metal cap flashing for sloped surfaces over 610 mm (24").
• Additional layers of mesh reinforced base coat is recommended when sloped surfaces exceed 305 mm (12").
• Ensure a means for drainage is provided at system termination.
• Terminate system a minimum of 203 mm (8") above roof.
• Maintain a minimum 25 mm (1") thick EPS insulation board.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at roof.
- Terminate system a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum of 50 mm (2") behind system.
- Kick-out flashing shall be a minimum of 102 mm (4") in height.
- Do not apply finish to areas that will receive sealant.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at soffit/fascia transition.

SECTION AT FASCIA / SOFFIT

- ACCEPTABLE SHEATHING *
- ACROSTOP / ACROSTOP R
- ACROCRETE ADHESIVE / BASE COAT APPLIED TO EPS INSULATION BOARD
- APPROVED EPS INSULATION BOARD
- ACROCRETE LAMINA:
  - ACROCRETE BASE COAT
  - ACROCRETE REINFORCING MESH
  - ACROCRETE FINISH COAT
- EXTEND ACROSTOP OR ACROSTOP R A MIN. OF 100 mm (4") ONTO SOFFIT, USE APPROPRIATE REINFORCEMENT AT CORNER
- WRAP ACROCRETE BASE COAT AND ACROCRETE REINFORCING MESH
- ACROWNALL-ES WALL SYSTEM
  (* by others)

Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.

TYPICAL CORE MOUNTED RAILING ATTACHMENT

- RAILING *
- ACROCRETE LAMINA:
  - ACROCRETE BASE COAT
  - ACROCRETE REINFORCING MESH
  - ACROCRETE FINISH COAT
- FILLET BEAD OF SEALANT AT PERIMETER OF BASE COVER *
- RAILING BASE COVER SET IN SEALANT *
- BACKER ROD AND SEALANT *
- WRAP ACROCRETE BASE COAT AND ACROCRETE REINFORCING MESH
- APPROVED EPS INSULATION BOARD
- ACROSTOP / ACROSTOP R
- ACCEPTABLE SUBSTRATE *
  (* by others)
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure all penetrations into the system are properly sealed.

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure all penetrations into the system are properly sealed.
• Blocking or other structural support required for sign attachment.
Note
BASF Wall Systems is an operating unit of BASF Corporation (herein after 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.

Disclaimer
This information and all further technical advice are based on BASF Wall Systems’ present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF Wall Systems disclaims any and all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF WALL SYSTEMS SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF Wall Systems reserves the right to make any changes according to technological progress or further developments. It is the customer’s responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used. It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for its intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings and the like. BASF Wall Systems has prepared guidelines in the form of specifications, typical application details, and product bulletins to facilitate the design process only. BASF Wall Systems is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or the like, whether based upon the information provided by BASF Wall Systems or otherwise, or for any changes which the purchasers, specifiers, designers or their appointed representatives may make to BASF Wall Systems published comments. For more information visit our website at www.acrocrete.basf.com.

BASF Wall Systems
3550 St. Johns Bluff Road South
Jacksonville, FL 32224-2614
Phone 800 • 221 • 9255
Fax 904 • 936 • 6300
www.acrocrete.basf.com
©2010 BASF Corporation
Printed in U.S.A. 08/10