Acrowall-ESV

Water-managed, mechanically attached Class PB EIFS incorporating a secondary air/weather barrier and an optional preformed drainage mat/drainage insulation board

Typical Details

1. Acrowall-ESV System Application
   (Plan View)
2. Option 1 Acrowall-ESV System Application
   (Isometric View)
3. Option 2 Acrowall-ESV System Application
   (Isometric View)
4. Option 3 Acrowall-ESV System Application
   (Isometric View)
5. Aesthetic Groove (Plan View)
6. Insulation Boards/Reinforcing Mesh Application at Openings
7. Clad Window Jamb With Aesthetic Band
8. Clad Window Head With Aesthetic Band
9. Clad Window Sill With Aesthetic Band
10. Clad Window Jamb
11. Clad Window Head
12. Clad Window Sill
13. Primed Window Jamb
14. Primed Window Head
15. Primed Window Sill
16. Expansion Joint Detail at Floorline of Wood Frame Construction
17. Expansion Joint at Change in Substrate (Plan View)
18. Termination at Soffit/Gable End
19. Downspout Application (Plan View)
20. Pipe Penetration
21. Light Fixture
22. Dryer Vent
23. Termination at Top of Deck
24. Termination at Bottom of Deck
25. Termination at Foundation
26. Termination at Foundation
27. Termination at Brick or Stone
28. Termination at Brick or Stone
29. Kick-out Flashing
30. Channeled Insulation Board Profile for Option 2
1. **TYPICAL ACROWALL-ESV APPLICATION (PLAN VIEW)**

- Framing
- Acceptable Sheathing
- Acrostop™ R or Secondary Moisture Protection Barrier
- Drainage Mat (optional)
- Acrocrete® Insulation Board
- Mechanical Fastener
- Acrocrete Lamina:
  - Acrocrete Base Coat
  - Acrocrete Reinforcing Mesh
  - Acrocrete Finish Coat

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2. **OPTION 1 ACROWALL-ESV APPLICATION (ISOMETRIC VIEW)**

- Framing
- Acceptable Sheathing
- Acrostop™ R or Secondary Moisture Protection Barrier
- Mechanical Fastener
- Acrocrete Insulation Board
- Acrocrete Base Coat
- Acrocrete Reinforcing Mesh
- Acrocrete Finish Coat
- Flashing
3. OPTION 2 ACROWALL-ESV APPLICATION (ISOMETRIC VIEW)

4. OPTION 3 ACROWALL-ESV APPLICATION (ISOMETRIC VIEW)
5. TYPICAL AESTHETIC GROOVE (PLAN VIEW)

NOTE:
- TYPICAL AT WINDOWS, DOORS, ETC.
- MAINTAIN A MIN. 13 mm (1/2") PERIMETER SEALANT JOINT
- FLASHINGS ARE BY OTHERS AND SHALL BE AS PER DESIGN/CODE REQUIREMENTS

6. TYPICAL INSULATION BOARDS/REINFORCING MESH APPLICATION AT OPENINGS
7. TYPICAL CLAD WINDOW JAMB WITH AESTHETIC BAND

- Framing
- Acceptable sheathing
- Acrostop® R or secondary moisture protection barrier
- Drainage mat (optional)
- Acrocrete® insulation board
- Acrocrete base coat
- Mechanical fastener
- Wrap base coat and Acrocrete reinforcing mesh
- 9” sheathing fabric embedded in Acrostop R or Acrowrap™/Acroflash™ with flashing primer
- Acrocrete Lamina:
  - Acrocrete base coat
  - Acrocrete reinforcing mesh
  - Acrocrete finish coat
- EPS aesthetic band
- Acrocote® T
- Backer rod and sealant
- Clad window

NOTE: Flashings are by others and shall be per design/ code requirements.

8. TYPICAL CLAD WINDOW HEAD WITH AESTHETIC BAND
9. TYPICAL CLAD WINDOW SILL W/AESTHETIC BAND

- CLAD WINDOW
- BACKER ROD AND SEALANT
- ACROCOTE® T
- ACROCOTE® BASE COAT
- MIN. 6:12 SLOPE
- EPS AESTHETIC BAND
- ACROCOTE LAMINA:
  - ACROCOTE BASE COAT
  - ACROCOTE REINFORCING MESH
  - ACROCOTE FINISH COAT
- WRAP BASE COAT AND
- ACROCOTE REINFORCING MESH
- MECHANICAL FASTENER
- ACROCOTE INSULATION BOARD
- 9" SHEATHING FABRIC
- EMBEDDED IN ACROSTOP™ R
- OR ACROWRAP™/ACROFLASH™
- WITH FLASHING PRIMER
- DRAINAGE MAT (OPTIONAL)
- ACROSTOP R OR SECONDARY
- MOISTURE PROTECTION BARRIER
- ACCEPTABLE SHEATHING
- FRAMING

10. TYPICAL CLAD WINDOW JAMB

- FRAMING
- ACCEPTABLE SHEATHING
- ACROSTOP R OR SECONDARY
- MOISTURE PROTECTION BARRIER
- DRAINAGE MAT (OPTIONAL)
- ACROCOTE INSULATION BOARD
- MECHANICAL FASTENER
- WRAP BASE COAT AND
- ACROCOTE REINFORCING MESH
- 9" SHEATHING FABRIC
- EMBEDDED IN ACROSTOP R OR
- ACROWRAP/ACROFLASH WITH
- FLASHING PRIMER
- ACROCOTE LAMINA:
  - ACROCOTE BASE COAT
  - ACROCOTE REINFORCING MESH
  - ACROCOTE FINISH COAT
- ACROCOTE T
- BACKER ROD AND SEALANT
- CLAD WINDOW
**11. TYPICAL CLAD WINDOW HEAD**

- **FRAMING**
- **ACCEPTABLE SHEATHING**
- **ACROSTOP™ R OR SECONDARY MOISTURE PROTECTION BARRIER**
- **DRAINAGE MAT (OPTIONAL)**
- **ACROCOTE® INSULATION BOARD**
- **WRAP BASE COAT AND ACROCOTE REINFORCING MESH**
- **MECHANICAL FASTENER**
- **ACROCOTE LAMINA:**
  - **ACROCOTE BASE COAT**
  - **ACROCOTE REINFORCING MESH**
  - **ACROCOTE FINISH COAT**
- **FLASHING W/ SEALANT**
- **CLAD WINDOW**

**NOTE:**
Flashings are by others and shall be as per design/code requirements.

**12. TYPICAL CLAD WINDOW SILL**

- **CLAD WINDOW**
- **BACKER ROD AND SEALANT**
- **ACROCOTE® T**
- **ACROCOTE LAMINA:**
  - **ACROCOTE BASE COAT**
  - **ACROCOTE REINFORCING MESH**
  - **ACROCOTE FINISH COAT**
- **WRAP BASE COAT AND ACROCOTE REINFORCING MESH**
- **ACROCOTE INSULATION BOARD**
- **MECHANICAL FASTENER**
- **9” SHEATHING FABRIC EMBEDDED IN ACROSTOP™ R OR ACROWRAP™/ACROFLASH™ WITH FLASHING PRIMER**
- **DRAINAGE MAT (OPTIONAL)**
- **ACROSTOP R OR SECONDARY MOISTURE PROTECTION BARRIER**
- **ACCEPTABLE SHEATHING**
- **FRAMING**
13. TYPICAL PRIMED WINDOW JAMB

14. TYPICAL PRIMED WINDOW HEAD

NOTE:
FLASHINGS ARE BY OTHERS AND SHALL BE AS PER DESIGN/CODE REQUIREMENTS.
15. TYPICAL PRIMED WINDOW SILL

 acceptation of sheathing
 acceptable sheathing
 framing

 typical wood framing
 acceptation of sheathing
 acrostop™ r or secondary
 moisture protection barrier
 acroflash™ 9 w/ flashing primer

 min. 19 mm (3/4”)

 backer rod and sealant
 acrocote t
 wrap base coat and
 acrocote reinforcing mesh
 acrocote insulation board
 drainage mat (optional)
 mechanical fastener
 acrocote lamina:
 • acrocote base coat
 • acrocote reinforcing mesh
 • acrocote finish coat

 16. TYPICAL EXPANSION JOINT DETAIL AT FLOORLINE OF WOOD FRAME CONSTRUCTION
17. TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE (PLAN VIEW)

18. TYPICAL TERMINATION AT SOFFIT/GABLE END
19. TYPICAL DOWNSPOUT APPLICATION (PLAN VIEW)

- ACROCRETE® INSULATION BOARD
- SLEEVE
- SEALANT
- FASTENER SET IN SEALANT
- DOWNSPOUT STRAP
- DOWNSPOUT
- DRAINAGE MAT (OPTIONAL)
- ACROSTOP™ R OR SECONDARY MOISTURE PROTECTION BARRIER
- ACROCRETE LAMINA:
  - ACROCRETE BASE COAT
  - ACROCRETE REINFORCING MESH
  - ACROCRETE FINISH COAT
- ACCEPTABLE SHEATHING
- FRAMING

20. TYPICAL PIPE PENETRATION

- BACKER ROD AND SEALANT
- ACROCOTE®
- DRAINAGE MAT (OPTIONAL)
- ACROCRETE INSULATION BOARD
- ACROCRETE LAMINA:
  - ACROCRETE BASE COAT
  - ACROCRETE REINFORCING MESH
  - ACROCRETE FINISH COAT
- SEALANT AT PERIMETER OF PENETRATION
- MIN. 13 mm (1/2”)
- WRAP BASE COAT AND ACROCRETE REINFORCING MESH
- ACROSTOP™ R OR SECONDARY MOISTURE PROTECTION BARRIER

FRAMING
- ACCEPTABLE SHEATHING
21. TYPICAL LIGHT FIXTURE

22. TYPICAL DRYER VENT
23. TYPICAL TERMINATION AT TOP OF DECK

24. TYPICAL TERMINATION AT BOTTOM OF DECK
25. TYPICAL TERMINATION AT FOUNDATION

26. TYPICAL TERMINATION AT FOUNDATION
26. TYPICAL TERMINATION AT BRICK OR STONE

27. TYPICAL TERMINATION AT BRICK OR STONE
29. TYPICAL KICK-OUT FLASHING DETAIL

NOTE:
- KICK-OUT FLASHING MUST BE ANGLED 100° MIN. TO ALLOW FOR PROPER DRAINAGE.
- KICK-OUT FLASHING SEAMS MUST BE SOLDERED OR SEALED WITH APPROPRIATE SEALANT.
- TERMINATE ACROWALL-ESV SYSTEM MIN. 50 mm (2") ABOVE ROOF.

30. TYPICAL ACROWALL-ESV CHANNELED INSULATION BOARD PROFILE FOR OPTION2
NOTE
BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as “BASF Wall Systems”)

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On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for management of incidental moisture. The choices include water-drainage EIFS, Acrowall-CP, and Acrowall-CBS. Acrowall Surfacing Systems for insulating concrete forms are also acceptable. There are no exceptions to this policy. Under no circumstances will BASF Wall Systems warrant the use of any other system on this type of construction without expressed written permission from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.]
Consult BASF Wall Systems’ Technical Services Department for specific recommendations concerning all other applications. Consult the Acrocrete website, www.acrocrete.basf.com for additional information about products and systems and for updated literature.

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