Acrowall Surfacing Systems for ICFs

Weather resistant surfacing system incorporating a mesh-reinforced base coat and 100% acrylic polymer exterior finish

Typical Details

1. **ACROWALL ICF SURFACING SYSTEM** Installation
2. **ACROWALL ICF SURFACING SYSTEM** Installation with Optional Additional Layer of EPS over ICF
3. Reveal
4. EPS Shape Application
5. Window Head (Wood Buck)
6. Window Jamb (Wood Buck)
7. Window Head (Vinyl Buck with EPS Trim)
8. Window Jamb (Vinyl Buck with EPS Trim)
9. Recessed Window Head/Jamb (Wood Buck/Vinyl Buck)
10. Window Sill (Wood Buck with EPS Trim)
11. Window Sill (Vinyl Buck with EPS Trim)
12. Recessed Window Sill (Wood Buck)
13. Parapet
14. Transition to Existing Wall
15. Penetration
16. Termination at Foundation
17. Floorline (Non-Combustible Construction)
18. Eave Detail Exposed Top Plate
19. Sloped Roof/Wall Intersection
20. Kick-out Flashing
ACROWALL SURFACING SYSTEMS FOR ICF DETAILS

1. TYPICAL ACROCRETE ICF SURFACING SYSTEM INSTALLATION

2. TYPICAL ACROWALL ICF SURFACING SYSTEM INSTALLATION WITH OPTIONAL ADDITIONAL LAYER OF EPS OVER ICF

NOTE:
FOLLOW ICF MANUFACTURER’S SPECIFICATIONS FOR PROPER ICF INSTALLATION.
3. TYPICAL REVEAL

- ICF SYSTEM EPS INSULATION
- INTERIOR FINISH AS SPECIFIED
- AESTHETIC REVEAL
- ACROCRETE® REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
- ACROCRETE FINISH COAT
- MIN. 19 mm (3/4")

4. TYPICAL EPS SHAPE APPLICATION

- ICF SYSTEM EPS INSULATION
- ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
- MIN. 6:12 SLOPE
- EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT
- INTERIOR FINISH AS SPECIFIED
- ACROCRETE FINISH COAT
5. TYPICAL WINDOW HEAD DETAIL (WOOD BUCK)

6. TYPICAL WINDOW JAMB DETAIL (WOOD BUCK)
9. RECESSED WINDOW HEAD/JAMB (WOOD BUCK/VINYL BUCK)

FLANGE MOUNT WINDOW

ACROCRETE BASE COAT & SELF ADHERING MESH TAPE

MIN. 13 mm (1/2") BACKER ROD & SEALANT

MIN. 6:12 SLOPE

ACROCRETE® T ON SURFACES TO RECEIVE SEALANT

WOOD BUCK

EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT

ICF SYSTEM EPS INSULATION

INTERIOR FINISH AS SPECIFIED

ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT

ACROCRETE FINISH COAT

10. WINDOW SILL (WOOD BUCK WITH EPS TRIM)
11. WINDOW SILL (VINYL BUCK WITH EPS TRIM)

FLANGE MOUNT WINDOW
ACROCRETE® BASE COAT & SELF ADHERING MESH TAPE
MIN. 13 mm (1/2") BACKER ROD & SEALANT
MIN. 6:12 SLOPE
ACROCOTE® T ON SURFACES TO RECEIVE SEALANT
VINYL BUCK
EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT
ICF SYSTEM EPS INSULATION
INTERIOR FINISH AS SPECIFIED
ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
ACROCRETE FINISH COAT

NOTE:
PAN FLASHING MUST BE PROPERLY SEALLED TO JAMBS.

12. RECESSED WINDOW SILL (WOOD BUCK/VINYL BUCK)
13. TYPICAL PARAPET DETAIL

- ACROCRETE EPS BOARD
- ACROCRETE BASE COAT
- ACROCRETE REINFORCING MESH
- ACROCRETE FINISH COAT

14. TYPICAL TRANSITION TO EXISTING WALL

- MIN. 50 mm (2") OVER ACROCRETE® LAMINA
- SEALANT
- PARAPET CAP
- ROOFING AS SPECIFIED
- ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
- INTERIOR FINISH AS SPECIFIED
- ACROCRETE FINISH COAT
- ICF SYSTEM EPS INSULATION

- MIN. 19 mm (3/4") BACKER
- ROD & SEALANT
- BUILDING EXPANSION JOINT (SUPPLIED BY OTHERS)
- DISSIMILAR MATERIAL

ACROWALL SYSTEM:
- ACROCRETE EPS BOARD
- ACROCRETE BASE COAT
- ACROCRETE REINFORCING MESH
- ACROCRETE FINISH COAT
15. TYPICAL PENETRATION

ICF SYSTEM EPS INSULATION
INTERIOR FINISH AS SPECIFIED
PACK AND SEAL BETWEEN SLEEVE AND PASS THROUGH PIPING WITH AN APPROVED FIRE STOP/SEALANT (SUPPLIED BY OTHERS)
PIPE SLEEVE LARGER THAN PIPE THAT WILL PASS THROUGH WALL (SUPPLIED BY OTHERS)
PIPING THROUGH ICF SYSTEM
ACROCRETE® REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
ACROCRETE FINISH COAT

16. TYPICAL TERMINATION AT FOUNDATION

ICF SYSTEM EPS INSULATION
ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT
ACROCRETE FINISH COAT
MIN. 6:12 SLOPE
EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT
ACROCRETE BASE COAT & FINISH
WATER-PROOFING MEMBRANE
GRADE
CONCRETE FOUNDATION
CONCRETE SLAB
MIN. 203 mm (8") PER CODE

NOTE:
ADHERE EPS AESTHETIC BAND TO EPS INSULATION ONLY. DO NOT ADHERE TO CONCRETE.
17. FLOORLINE (NON-COMBUSTIBLE CONSTRUCTION)

ICF SYSTEM EPS INSULATION

ACROCRETE® REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT

MIN. 6:12 SLOPE

EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT

ACROCRETE FINISH COAT

INTERIOR FINISH AS SPECIFIED

18. EAVE DETAIL EXPOSED TOP PLATE

MIN. 153 mm (6”)

EXPOSED TOP PLATE AS SPECIFIED

ICF SYSTEM EPS INSULATION

ACROCRETE REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT

ACROCRETE FINISH COAT

SEALANT

SOFFIT

INTERIOR FINISH AS SPECIFIED
19. SLOPED ROOF/WALL INTERSECTION

ACROCRETE® REINFORCING MESH EMBEDDED IN ACROCRETE BASE COAT

MIN. 6:12 SLOPE

ACROCRETE FINISH COAT

EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT

FLASHING MIN. 50 mm (2") ABOVE ROOF LINE

ICF SYSTEM EPS INSULATION

INTERIOR FINISH AS SpecIFIED

20. TYPICAL KICK-OUT FLASHING DETAIL

ICF SYSTEM EPS INSULATION

EPS AESTHETIC BAND ADHERED USING ACROCRETE BASE COAT

STEP FLASHING

SEAL BOTH SIDES

MIN. 102 mm (4")

MIN. 50 mm (2")

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 ICF SURFACING SYSTEM 50 mm (2") MIN. ABOVE ROOF.
NOTE
BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as “BASF Wall Systems”)

RESIDENTIAL POLICY
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-managed 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 web-site, www.acrocrete.com for additional information about products and systems and for updated literature.

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