Senergy® Surfacing Systems for Insulating Concrete Forms

TYPICAL DETAILS

1026918

1. Senergy ICF Surfacing System Installation
2. ICF 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/VINYL BUCK)
13. Parapet
14. Transition to Existing Wall
15. Termination
16. Termination at Foundation
17. Floorline (Non-Combustible Construction)
18. Eave Detail Exposed Top Plate
19. Sloped Roof/Wall Intersection
20. Kick-out Flashing
ICF-01 TYPICAL SENERGY ICF SURFACING SYSTEM INSTALLATION

ICF-02 TYPICAL SENERGY ICF SURFACING SYSTEM INSTALLATION WITH OPTIONAL ADDITIONAL LAYER OF EPS OVER ICF

NOTE: FOLLOW ICF MANUFACTURER SPECIFICATIONS FOR PROPER ICF INSTALLATION.
ICF-03 TYPICAL REVEAL

ICF SYSTEM EPS INSULATION

INTERIOR FINISH AS SPECIFIED

AESTHETIC REVEAL

SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT

SENERGY FINISH COAT

MIN. 19 mm (3/4")

ICF-04 TYPICAL EPS SHAPE APPLICATION

ICF SYSTEM EPS INSULATION

SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT

MIN. 6:12 SLOPE

EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT

INTERIOR FINISH AS SPECIFIED

SENERGY FINISH COAT
ICF-05 TYPICAL WINDOW HEAD DETAIL (WOOD BUCK)

ICF SYSTEM EPS INSULATION
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT
INTERIOR FINISH AS SPECIFIED
MIN. 6:12 SLOPE
EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
FLASHING
MIN. 13 mm (1/2") BACKER ROD & SEALANT
SENERGY BASE COAT & SELF ADHERING MESH TAPE
WOOD BUCK
FLANGE MOUNT WINDOW

ICF-06 TYPICAL WINDOW JAMB DETAIL (WOOD BUCK)

ICF SYSTEM EPS INSULATION
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT
INTERIOR FINISH AS SPECIFIED
EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
SENERGY ASAP ON SURFACES TO RECEIVE SEALANT
MIN. 13 mm (1/2") BACKER ROD & SEALANT
SENERGY BASE COAT & SELF ADHERING MESH TAPE
WOOD BUCK
FLANGE MOUNT WINDOW
ICF-07 WINDOW HEAD (VINYL BUCK WITH EPS TRIM)

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

ICF-08 WINDOW JAMB (VINYL BUCK WITH EPS TRIM)

- ICF SYSTEM EPS INSULATION
- SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
- SENERGY FINISH COAT
- INTERIOR FINISH AS SPECIFIED
- EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
- SENERGY ASAP ON SURFACES TO RECEIVE SEALANT
- MIN. 13 mm (1/2") BACKER ROD & SEALANT
- SENERGY BASE COAT & SELF ADHERING MESH TAPE
- VINYL BUCK
- FLANGE MOUNT WINDOW
Senergy® Surfacing Systems
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ICF-09 RECESSED WINDOW HEAD/JAMB (WOOD BUCK/VINYL BUCK)

ICF SYSTEM EPS INSULATION
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT
INTERIOR FINISH AS SPECIFIED
WOOD OR VINYL BUCK OPTIONAL
EPS ADHERED USING SENERGY BASE COAT
Drip Edge Maintain Min. 19 mm (3/4") of EPS
SENERGY ASAPON SURFACES TO RECEIVE SEALANT
MIN. 13 mm (1/2") BACKER ROD & SEALANT
SHIM
RECESSED WINDOW

ICF-10 WINDOW SILL (WOOD BUCK WITH EPS TRIM)

FLANGE MOUNT WINDOW
SENERGY BASE COAT & SELF ADHERING MESH TAPE
MIN. 13 mm (1/2") BACKER ROD & SEALANT
MIN. 6:12 SLOPE
SENERGY ASAPON SURFACES TO RECEIVE SEALANT
WOOD BUCK
EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
ICF SYSTEM EPS INSULATION
INTERIOR FINISH AS SPECIFIED
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT
ICF-11 WINDOW SILL (VINYL BUCK WITH EPS TRIM)

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

NOTE:
- PAN FLASHING MUST BE PROPERLY SEALED TO JAMBS.

ICF-12 RECESSED WINDOW SILL (WOOD BUCK/VINYL BUCK)

- RECESSED WINDOW
- PAN FLASHING
- WOOD OR VINYL BUCK OPTIONAL
- MIN. 50 mm (2") OVER SENERGY LAMINA
- SEALANT
- ICF SYSTEM EPS INSULATION
- INTERIOR FINISH AS SPECIFIED
- SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
- SENERGY FINISH COAT

NOTE:
- PAN FLASHING MUST BE PROPERLY SEALED TO JAMBS.
ICF-13 TYPICAL PARAPET DETAIL

ICF-14 TYPICAL TRANSITION TO EXISTING WALL
ICF-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
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT

ICF-16 TYPICAL TERMINATION AT FOUNDATION

ICF SYSTEM EPS INSULATION
SENERGY REINFORCING MESH EMBEDDED IN SENERGY BASE COAT
SENERGY FINISH COAT
MIN. 6:12 SLOPE
EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
SENERGY BASE COAT & FINISH
WATER-PROOFING MEMBRANE
MIN. 203 mm (8") PER CODE
GRADE
CONCRETE FOUNDATION
CONCRETE SLAB
COMPACTED FILL
NOTE: ADHERE EPS AESTHETIC BAND TO EPS INSULATION ONLY. DO NOT ADHERE TO CONCRETE.
ICF-17 FLOORLINE (NON-COMBUSTIBLE CONSTRUCTION)

ICF-18 EAVE DETAIL EXPOSED TOP PLATE
ICF-19 SLOPED ROOF/WALL INTERSECTION

ICF SYSTEM EPS INSULATION
EPS AESTHETIC BAND ADHERED USING SENERGY BASE COAT
STEP FLASHING
SEAL BOTH SIDES

MIN. 50 mm (2") ABOVE ROOF LINE

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 SENERGY ICF SURFACING SYSTEM 50 mm (2") MIN. ABOVE ROOF.

ICF-20 TYPICAL KICK-OUT FLASHING DETAIL

ICF SURFACING SYSTEM
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 SENERGY ICF SURFACING SYSTEM 50 mm (2") MIN. ABOVE ROOF.
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Technical Support
Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com, for additional information about products and systems and for updated literature.

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 water drainage. The choices include Senturion® line of water drainage EIFS, commercial Senerflex® Channeled Adhesive or Channeled Insulation Design, Senergy Stucco Wall System, and Senergy Cement-Board Stucco™ Systems. 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 authorization from BASF Wall Systems. (Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water drainage provisions described above. Senergy Exterior Surfacing Systems for insulating concrete forms are also acceptable.) See the Senergy Residential Policy Bulletin for a more detailed discussion of this topic. Consult BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com for additional information about products and systems and for updated literature.

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