Senturion™ II Wall System

TYPICAL DETAILS

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

The Chemical Company
SII-01 TYPICAL SENTURION II WALL SYSTEM APPLICATION (PLAN VIEW)

SII-02 TYPICAL SENTURION II WALL SYSTEM APPLICATION (ISOMETRIC VIEW)
SII-03 TYPICAL AESTHETIC GROOVE (PLAN VIEW)

- SENERSHIELD-R OR SECONDARY MOISTURE PROTECTION BARRIER
- AESTHETIC GROOVE
- SENERGY CHANNELED INSULATION BOARD
- MECHANICAL FASTENER
- SENERGY LAMINA:
  - SENERGY BASE COAT
  - SENERGY REINFORCING MESH
  - SENERGY FINISH COAT
- MIN. 19 mm (3/4")

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

SENERGY CHANNELED INSULATION BOARD

STAGGER INSULATION BOARD JOINTS AT CORNER OF OPENINGS

WRAP SENERGY BASE COAT AND FLEXGUARD 4 REINFORCING MESH AT INSULATION BOARD EDGES

FLEXGUARD 4 REINFORCING MESH EMBEDDED IN SENERGY BASE COAT

229 mm (9")

305 mm (12")

SII-04 TYPICAL INSULATION BOARDS/REINFORCING MESH APPLICATION AT OPENINGS

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
SII-05 TYPICAL CLAD WINDOW JAMB WITH AESTHETIC BAND

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

SII-06 TYPICAL CLAD WINDOW HEAD WITH AESTHETIC BAND
SII-07 TYPICAL CLAD WINDOW SILL WITH AESTHETIC BAND

SII-08 TYPICAL CLAD WINDOW JAMB
Framing
Acceptable Sheathing
Senershield-R or Secondary Moisture Protection Barrier
Senergy Channeled Insulation Board
Wrap Base Coat and Senergy Reinforcing Mesh
Mechanical Fastener
Senergy Lamina:
- Senergy Base Coat
- Senergy Reinforcing Mesh
- Senergy Finish Coat
Flashing w/ Sealant
Clad Window

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

SII-09 Typical Clad Window Head

Clad Window
Backer Rod and Sealant
Senergy ASAP
Wrap Base Coat and Senergy Reinforcing Mesh
Senergy Lamina:
- Senergy Base Coat
- Senergy Reinforcing Mesh
- Senergy Finish Coat
Mechanical Fastener
Senergy Channeled Insulation Board
9” Sheathing Fabric Embedded in Senershield-R or Senerwrap/Senerflash with Flashing Primer
Senershield-R or Secondary Moisture Protection Barrier
Acceptable Sheathing
Framing

SII-10 Typical Window Sill
SII-12 TYPICAL PRIMED WINDOW HEAD

NOTE:
FLASHINGS ARE BY OTHERS AND SHALL BE AS PER DESIGN/CODE REQUIREMENTS.

SII-11 TYPICAL PRIMED WINDOW JAMB

FRAMING
ACCEPTABLE SHEATHING
SEHERSHELL-R OR SECONDARY MOISTURE PROTECTION BARRIER
SENERRY CHANELED INSULATION BOARD
WRAP BASE COAT AND SENERRY REINFORCING MESH
MECHANICAL FASTENER
SENERRY LAMINA:
• SENERRY BASE COAT
• SENERRY REINFORCING MESH
• SENERRY FINISH COAT
SENERRY ASAP
BACKER ROD AND SEALANT
PRIMED WINDOW

WRAP BASE COAT AND SENERRY REINFORCING MESH
SII-13 TYPICAL PRIMED WINDOW SILL

SII-14 TYPICAL EXPANSION JOINT DETAIL AT FLOORLINE OF WOOD FRAME CONSTRUCTION
SII-15  TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE
(PLAN VIEW)

SII-16  TYPICAL TERMINATION AT SOFFIT/GABLE END
SII-17  TYPICAL DOWNSPOUT APPLICATION (PLAN VIEW)

SII-18  TYPICAL PIPE PENETRATION
SII-19 TYPICAL LIGHT FIXTURE

FRAMING
ACCEPTABLE SHEATHING
SET FLANGE IN SEALANT
WRAP BASE COAT AND
SENERGY REINFORCING MESH
SENERSHIELD-R OR SECONDARY
MOISTURE PROTECTION BARRIER
SMALL LIGHT FIXTURE

WIRE OPENING
SENERGY CHANNELED INSULATION BOARD
SENERGY LAMINA:
• SENERGY BASE COAT
• SENERGY REINFORCING MESH
• SENERGY FINISH COAT

SENERGY CHANNELED INSULATION BOARD
SENERGY LAMINA:
• SENERGY BASE COAT
• SENERGY REINFORCING MESH
• SENERGY FINISH COAT
WRAP BASE COAT AND
SENERGY REINFORCING MESH

SII-20 TYPICAL DRYER VENT

FRAMING
ACCEPTABLE SHEATHING
SENERGY CHANNELED
INSULATION BOARD
FASTENER SET IN SEALANT
SET FLANGE IN SEALANT
WRAP BASE COAT AND
SENERGY REINFORCING MESH

SEALANT AT
PERIMETER OF
PENETRATION

DRYER VENT
FASTENER THROUGH
NYLON SLEEVE
SENERSHIELD-R OR SECONDARY
MOISTURE PROTECTION BARRIER
SENERGY LAMINA:
• SENERGY BASE COAT
• SENERGY REINFORCING MESH
• SENERgy FINISH COAT
SII-21 TYPICAL TERMINATION AT TOP OF DECK

SII-22 TYPICAL TERMINATION AT BOTTOM OF DECK
SII-23 TYPICAL TERMINATION AT FOUNDATION

FRAMING
ACCEPTABLE SHEATHING
SENERGY CHANNELED INSULATION BOARD
SENERSHIELD-R OR SECONDARY MOISTURE PROTECTION BARRIER
MECHANICAL FASTENER
4" SHEATHING FABRIC EMBEDDED IN SENERSHIELD-R OR SENERFLASH 4 W/ FLASHING PRIMER
SENERGY LAMINA:
• SENERGY BASE COAT
• SENERGY REINFORCING MESH
• SENERGY FINISH COAT
WRAP BASE COAT AND SENERGY REINFORCING MESH
FLASHING
SEALANT
FOUNDATION

NOTE:
TERMINATE SENTURION II DESIGN SYSTEM MIN. 203 mm (8") ABOVE GRADE.

SII-24 TYPICAL TERMINATION AT FOUNDATION

FRAMING
ACCEPTABLE SHEATHING
SENERGY CHANNELED INSULATION BOARD
SENERSHIELD-R OR SECONDARY MOISTURE PROTECTION BARRIER
MECHANICAL FASTENER
4" SHEATHING FABRIC EMBEDDED IN SENERSHIELD-R OR SENERFLASH 4 W/ FLASHING PRIMER
SENERGY LAMINA:
• SENERGY BASE COAT
• SENERGY REINFORCING MESH
• SENERGY FINISH COAT
STARTER TRACK W/ WEEP HOLES
SEALANT
FOUNDATION

NOTE:
TERMINATE SENTURION II DESIGN SYSTEM MIN. 203 mm (8") ABOVE GRADE.
SII-25 TYPICAL TERMINATION AT BRICK OR STONE

NOTE:
ENSURE CONTINUOUS DRAINAGE PLAN AT EIFS TERMINATION.
TERMINATION OF BRICK OR STONE MUST HAVE A MEANS FOR MOISTURE ESCAPE.

SII-26 TYPICAL TERMINATION AT BRICK OR STONE
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 SENTURION II WALL SYSTEM MIN. 50 mm (2”) ABOVE ROOF.

SII-27 TYPICAL KICK-OUT FLASHING DETAIL

SII-28 TYPICAL SENTURION II CHANNELED INSULATION BOARD PROFILE
General Notes
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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.cc, 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 moisture drainage. The choices include Senturion® line of water managed EIFS, commercial Senerflex® Wall Systems integrating moisture management features, Senergy Stucco Wall System, and Senergy Cement-Board Stucco™ Systems. Senergy Exterior 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 authorization from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.] 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.cc for additional information about products and systems.

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