

## **Senerflex<sup>®</sup> Classic PB Wall System**

Class PB Exterior Insulation and Finish System providing a primary moisture barrier and optional secondary air/weather barrier



- 1. Typical Senerflex Wall System Application
- 2. Typical Aesthetic Reveal
- 3. Typical Window Head (Flush)
- 4. Typical Window Head (Recessed)
- 5. Typical Window Jamb (Flush)
- 6. Typical Window Jamb (Recessed)
- 7. Typical Window Sill (Flush)
- 8. Typical Window Sill (Recessed)
- 9. Typical Roof Edge Flashing
- 10. Typical Parapet Cap Flashing
- 11. Typical Parapet Cap

- 12. Typical Expansion Joint at Floorline
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- 14. Typical Transition at Soffit/Gable End
- 15. Typical Expansion Joint
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- 19. Typical Termination at Foundation
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- 21. Typical Kick-Out Flashing





# TYPICAL SENERFLEX WALL SYSTEM APPLICATION



### **TYPICAL AESTHETIC REVEAL**



#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.

- Verify all materials are installed in accordance with installation instructions.
- Maintain a minimum 19 mm (3/4") thick EPS insulation board behind all reveals & aesthetic grooves.
- Reinforcing mesh shall be continuous through the reveal and care shall be taken to ensure reinforcing mesh is encapsulated into the reveal and is not cut during base coat application.
- Horizontal reveals shall provide an outward positive drainage.
- Reveals must not occur at the abutment of two pieces of EPS insulation board.
- Reveals must not occur at the joints in sheathing.

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### TYPICAL WINDOW HEAD (FLUSH)



PB-03 0310

#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### **TYPICAL WINDOW HEAD (RECESSED)**





### **TYPICAL WINDOW JAMB (FLUSH)**



#### Verify all materials are installed in accordance with installation instructions.

Notes:

- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### **TYPICAL WINDOW JAMB (RECESSED)**



- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### **SENERFLEX CLASSIC PB**

#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### **TYPICAL WINDOW SILL (FLUSH)**



PB-07 0310

#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Provide a properly configured back wrapped joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved.
- Joint and EPS insulation board must not line up with corner of rough openings.

### **TYPICAL WINDOW SILL (RECESSED)**





### **TYPICAL ROOF EDGE FLASHING**



#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/flashing extends onto the system a minimum of 51 mm (2") and that the flange is sealed.

PB-09 0310

### **TYPICAL PARAPET CAP FLASHING**



- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/flashing extends onto the system a minimum of 51 mm (2") and that the flange is sealed.

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Provide a minimum 6:12 slope for all horizontal surfaces greater than 25 mm (1"). Senergy requires the use of a roofing system or metal cap flashing for sloped surfaces over 609 mm (24").
- Terminate system a minimum of 203 mm (8") above roof.
- Maintain a minimum 25 mm (1") thick EPS insulation board.

### **TYPICAL PARAPET CAP**



PB-11 0310

#### Notes:

- Verify all materials are installed in accordance with 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 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.

### **TYPICAL EXPANSION JOINT AT FLOORLINE**





### TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE



### **TYPICAL TRANSITION AT SOFFIT AND FASCIA**



#### Notes:

- Verify all materials are installed in accordance with 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 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.

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Maintain a minimum 19 mm (3/4") thick EPS insulation board behind drip edge

- Verify all materials are installed in accordance with 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 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.

### **TYPICAL EXPANSION JOINT**



PB-15 0310

#### Notes:

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Ensure all penetrations through the system are properly sealed.

### **TYPICAL PIPE PENETRATION**





### **TYPICAL CORNER MESH**



### **TYPICAL LIGHT FIXTURE**



#### Notes:

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure reinforcing mesh is continuously lapped a minimum of 203 mm (8") around corners.
- Stagger vertical joints in EPS insulation board at corners.

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

- Verify all materials are installed in accordance with installation instructions and applicable code.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- 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 foundation transition.

### **TYPICAL TERMINATION AT FOUNDATION**



PB-19 0310

#### Notes:

- Verify all materials are installed in accordance with installation instructions and applicable code.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.

### **TYPICAL TERMINATION AT FOUNDATION (FLUSH)**





### **TYPICAL KICK-OUT FLASHING**



PB-21 0310

- Verify all materials are installed in accordance with installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Terminate system a minimum of 51 mm (2") above roof.
- Ensure step flashing is a minimum of 51 mm (2") behind system.
- Kick-out flashing shall be a minimum of 102 mm (4") in height, angled at 100° minimum; seams must be soldered or sealed with appropriate sealant.

### **NOTES**

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#### Note

BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (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.

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