## Senerflex® Vulcan NC System

Water Drainage Class PB Exterior Insulation and Finish System using Mineral Wool Insulation

1. Typical Mineral Wool Slab Application
2. Typical Mineral Wool Lamella Application
3. Typical Application
4. Typical Application over CMU
5. Typical Corner Mesh Application with Flexguard 4, Intermediate 6 or 12
6. Typical Pipe Penetration
7. Typical Light Fixture
8. Typical Expansion Joint
9. Typical Expansion Joint at Change in Substrate
10. Typical Expansion Joint at Floorline
11. Typical Drainage at Floorline
12. Typical EIFS Abutment to Brick with Drainage at Floorline
13. Typical Termination at Foundation
14. Typical EIFS Abutment to Brick with Continuous Drainage
15. Typical Termination at Foundation (Flush)
16. Typical Window Head (Flush)
17. Typical Window Head with Weep Tubes (Flush)
18. Typical Window Head (Recessed)
19. Typical Window Jamb (Flush)
20. Typical Window Sill (Flush)
21. Typical Window Jamb (Recessed)
22. Typical Window Sill (Recessed)
23. Typical Parapet Cap
24. Typical Kick-Out Flashing
25. Typical Roof Edge Flashing
26. Typical Section at Fascia/Soffit
27. Typical Core Mounted Railing Attachment
28. Typical Railing Attachment
29. Typical Sign Attachment
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• Additional fasteners may be required at corners or other terminations.
• Install fastener plate flush or slightly recessed, maximum 1.6 mm (1/16”).
• Fasteners installed on the outside of the reinforced base coat should be spotted prior to application of final base coat.

TYPICAL MINERAL WOOL SLAB APPLICATION

TYPICAL MINERAL WOOL LAMELLA APPLICATION

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• Additional fasteners may be required at corners or other terminations.
• Install fastener plate flush or slightly recessed, maximum 1.6 mm (1/16”).
• Lamella fibre orientation shall be perpendicular to the substrate.
• Fasteners are installed in the first course of Lamella and every fourth course thereafter.
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at System termination.

TYPICAL APPLICATION

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at System termination.

TYPICAL APPLICATION OVER CMU
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- Ensure Flexguard 4, Intermediate 6 or 12 reinforcing mesh is lapped a minimum of 203 mm (8”) around corners.

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Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced basecoat.
- Ensure all penetrations into the system are properly sealed.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application.
- Do not apply finish to areas that will receive sealant.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced basecoat.
- Ensure all penetrations into the system are properly sealed.

TYPICAL LIGHT FIXTURE

- FRAMING *
- ACCEPTABLE SHEATHING *
- SENERSHIELD / SENERSHIELD-R
- SENERGY ALPHA DRY BASE COAT APPLIED TO MINERAL WOOL INSULATION
- MINERAL WOOL INSULATION
- SENERGY LAMINA;
- SENERGY ALPHA DRY BASE COAT
- SENERGY REINFORCING MESH
- SENERGY FINISH COAT
- WRAP SENERGY ALPHA DRY BASE COAT AND SENERGY REINFORCING MESH
- SET FLANGE IN SEALANT *
- LIGHT HOUSING *
- LIGHT FIXTURE *
- SEALANT *
- WRAP SENERGY ALPHA DRY BASE COAT AND SENERGY REINFORCING MESH

(* by others)

TYPICAL EXPANSION JOINT

- FRAMING *
- ACCEPTABLE SHEATHING *
- MINERAL WOOL INSULATION
- SENFRASH 9W FLASHING PRIMER
- SENERGY ALPHA DRY BASE COAT APPLIED TO MINERAL WOOL INSULATION
- SENERGY ASAP (OPTIONAL)
- BACKER ROD & SEALANT (WIDTH PER DESIGN) *
- SENERGY LAMINA;
- SENERGY ALPHA DRY BASE COAT
- SENERGY REINFORCING MESH
- SENERGY FINISH COAT
- WRAP SENERGY ALPHA DRY BASE COAT AND SENERGY REINFORCING MESH
- SENERSHIELD / SENERSHIELD-R

(* by others)
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Do not apply finish to areas that will receive sealant.
• Ensure drainage plane is continuous and unobstructed at expansion joint.
• 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.
• It is recommended that a means for drainage is provided at every third floor (See Detail VNC-11).
Notes:
- Verify all materials are installed in accordance with current 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.
- It is recommended that a means for drainage is provided at every third floor.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at brick.
- Brick ties not shown for clarity.
- Brick must be installed per local code requirements.
**Notes:**

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at foundation.
- 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 sole plate foundation transition.
TYPICAL TERMINATION
AT FOUNDATION (FLUSH)

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at system termination at foundation.
• Place weep tubes a maximum of 610 mm (24") on center.
• Do not apply finish to areas that will receive sealant.

TYPICAL WINDOW HEAD (FLUSH)

Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure a means for drainage is provided at system termination at window head.
• Provide end-dams at flashing terminations.
• Provide continuous air seal around interior perimeter of window. Contact window manufacturer for specific installation instructions.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Provide continuous air seal around interior perimeter of window. Contact window manufacturer for specific installation instructions.
- Do not apply finish to areas that will receive sealant.
Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.
**TYPICAL WINDOW JAMB (RECESSED)**

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.

**TYPICAL WINDOW SILL (RECESSED)**

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Ensure that metal pan flashing extends onto the system a minimum of 50 mm (2") down the face and that end dams are provided.
- Provide continuous air seal around interior perimeter of interior window. Contact window manufacturer for specific installation instructions.
Notes:
- Verify all materials are installed in accordance with current 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 50 mm (2") down the face.

Notes:
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at roof.
- Terminate system a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum of 50 mm (2") behind system.
- Kick-out flashing shall be a minimum of 102 mm (4") in height.
- Do not apply finish to areas that will receive sealant.
**Notes:**
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/flashings extend onto the system a minimum of 50 mm (2") down the face.

**TYPICAL ROOF EDGE FLASHING**

**SECTION AT FASCIA / SOFFIT**

**Notes:**
- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means for drainage is provided at system termination at soffit/fascia transition.
Notes:
• Verify all materials are installed in accordance with current installation instructions.
• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure all penetrations into the system are properly sealed.

Notes:
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• All terminations must be fully encapsulated with mesh reinforced base coat.
• Ensure all penetrations into the system are properly sealed.
Notes:

- Verify all materials are installed in accordance with current installation instructions.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.
- Blocking or other structural support required for sign attachment.
Note
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