Senergy Platinum CI Stucco

Typical details for an impact resistant cement plaster stucco system featuring Neopor® GPS Plus Rigid Insulation Board
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Notes:

- Install BASF materials in accordance with current installation instructions.
- Water-resistive barriers other than Senershield-R/Senershield-VB, Tyvek StuccoWrap and DrainWrap require grooved Neopor GPS Plus Rigid Insulation Board. Grooves are 25 mm x 6 mm (1" x 1/4") deep at 305 mm (12") o.c., parallel to the 610 mm (2') dimension.
- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of BASF products.
- The details within represent BASF Corporation - Wall Systems (hereinafter referred to as BASF Wall Systems) latest recommendations. They are presented in good faith by BASF Wall Systems. The details are subject to change without notice. BASF Wall Systems accepts no liability for the end use of the details. For conditions not shown, consult BASF Wall Systems for review of specific detail.
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TYPICAL FASTENING PATTERN

Notes:
- Sheathing:
  Fasten per sheathing manufacturer’s recommendations or project design requirements.
- Water-Resistive Barrier:
  Install per barrier manufacturer’s instructions.
- NEOPOR GPS PLUS Rigid Insulation Board:
  Secure with 2-3 fasteners per board to hold in place until lath attachment.
- Lath:
  PERMALATH 1000: use appropriate fasteners spaced not more than 152 mm (6") o.c. vertically, 406 mm (16") o.c. horizontally; metal or wire lath: use appropriate fasteners spaced not more than 178 mm (7") o.c. vertically, 406 mm (16") or 610 mm (24") o.c. horizontally, per requirements of ASTM C1063.
Notes:
- Basic requirements for water resistive barrier and insulation:
  - One layer No 15 felt ASTM D226 Type I or equivalent and grooved NEOPOR GPS PLUS Rigid Insulation Board.
  - SENERSHIELD-R/SENERSHIELD-VB or one layer Tyvek StuccoWrap and flat NEOPOR GPS PLUS Rigid Insulation Board.
  - Water-resistive barrier shall comply with applicable building code.
- Basic requirements for Plaster Base:
  - BASF STUCCOBASE 3/8” to ½” thickness: Min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
  - BASF STUCCOBASE equal to or greater than ½” thickness: PERMALATH 1000 or min. 1½” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.

Notes:
- Water-resistive barrier over concrete or masonry substrate is optional.
- Basic requirements for Plaster Base:
  - BASF STUCCOBASE 3/8” to ½” thickness: Min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
  - BASF STUCCOBASE equal to or greater than ½” thickness: PERMALATH 1000 or min. 1½” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
**Senergy Platinum CI Stucco Details**

**TYPICAL TERMINATION AT FOUNDATION - FLUSH WITH CASING / STOP BEAD**

- **FRAMING**
- **ACCEPTABLE SHEATHING**
- **WATER-RESISTIVE BARRIER**
- **NEOPOR GPS PLUS RIGID INSULATION BOARD**
- **SENERGY FINISH**
- **PERMALATH 1000 OR METAL PLASTER BASE**
- **BASE STUCCOBASE**
- **FLASHING**
- **CASING / STOP BEAD WITH WEEP HOLES**
- **SEALANT**
- **FOUNDATION**

*NOTE: BY OTHERS*

**Notes:**
- Terminate the PLATINUM CI STUCCO system a minimum of 152 mm (6") above raw earth and 50 mm (2") above paved surface.
- Ensure water-resistive barrier laps over the casing/stop bead flange.
- Ensure casing/stop bead includes weep holes to facilitate drainage.

**TYPICAL TERMINATION AT FOUNDATION WITH CASING / STOP BEAD**

- **FRAMING**
- **ACCEPTABLE SHEATHING**
- **NEOPOR GPS PLUS RIGID INSULATION BOARD**
- **SENERGY FINISH**
- **BASE STUCCOBASE**
- **PERMALATH 1000 OR METAL PLASTER BASE**
- **WATER-RESISTIVE BARRIER**
- **CASING / STOP BEAD W/ WEEP HOLES**
- **SEALANT**
- **FOUNDATION**

*NOTE: BY OTHERS*

**Notes:**
- Terminate the PLATINUM CI STUCCO system a minimum of 152 mm (6") above raw earth and 50 mm (2") above paved surface.
- Provide minimum 25 mm (1") overlap at framing/foundation transition.
- Ensure water-resistive barrier laps over the casing/stop bead flange.
- Ensure casing/stop bead includes weep holes to facilitate drainage.
Notes:
- Terminate the PLATINUM CI STUCCO system a minimum of 152 mm (6") above raw earth and 50 mm (2") above paved surface.
- Provide minimum 25 mm (1") overlap at framing/foundation transition.
- Ensure water-resistive barrier laps over the Amico C-I Weep Trac flange.

TYPICAL TERMINATION AT FOUNDATION WITH AMICO C-I WEEP TRAC™

Notes:
- Ensure water-resistive barrier application is continuous behind the PLATINUM CI STUCCO system at change in substrate.
- Do not apply finish into joint to receive sealant.
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**TYPICAL TRIM JUNCTION**

- **Framing**
- **Acceptable Sheathing**
- **Neopor GPS Plus Rigid Insulation Board**
- **Permalath 1000 or Metal Plaster Base**
- **BASF Stuccobase**
- **Water-Resistant Barrier**
- **Nylon Anchor or Wire Tie**
- **Surface Control Joint**
- **Senergy Finish**

Notes:
- At trim intersection it is recommended that the vertical trim be continuous.

**TYPICAL SURFACE CONTROL JOINT**

- **Framing**
- **Acceptable Sheathing**
- **Neopor GPS Plus Rigid Insulation Board**
- **Permalath 1000 or Metal Plaster Base**
- **BASF Stuccobase**
- **Water-Resistant Barrier**
- **Nylon Anchor or Wire Tie**
- **Surface Control Joint**
- **Senergy Finish**

Notes:
- Provide control joints every 13 m² (144 ft²) and placement as determined by the Design Professional. Maximum recommended uncontrolled length or width is 5.5 m (18 ft) and a maximum uncontrolled length to width ratio of 2½ to 1.
- Lath must be broken at the control joint accessory.
Notes:

- Ensure water-resistant barrier application is continuous behind the PLATINUM CI STUCCO system.

TYPICAL INSIDE CORNER CONTROL JOINT - FRAMED / SHEATHED CONSTRUCTION

TYPICAL EPS OR NEOPOR GPS PLUS RIGID BOARD SHAPE APPLICATION

Notes:

- Extend BASF DIAMONDSHIELD or Senergy Reinforcing Mesh and Base Coat from band or shape onto BASF STUCCOBASE a minimum of 76 mm (3").
- Provide a 6:12 slope on horizontal applications greater than 1°.
- Adhere EPS or Neopor GPS Plus Rigid Insulation band/shape with Senergy base coat to BASF STUCCOBASE surface.
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**TYPICAL CORNER BEAD**

- Framing*
- Acceptable Sheathing*
- Water-Resistive Barrier
- Neopor GPS Plus Rigid Insulation Board
- Permalath 1000 or Metal Plaster Base
- Nylon Anchor or Wire Tie
- Corner Bead
- Senergy Stuccobase
- Senergy Finish

Notes:
- Attach corner bead with wire ties, anchors or fasteners to resist movement during application of BASF STUCCOBASE.
- Fill corner bead solid with BASF STUCCOBASE.

**TYPICAL DECORATIVE SHAPE**

- Framing*
- Acceptable Sheathing*
- Water-Resistive Barrier
- Neopor GPS Plus Rigid Insulation Board
- Senergy Adhesive / Base Coat for Decorative Shape
- Permalath 1000 or Metal Plaster Base
- BASF Stuccobase
- BASF DiamondsHIELD Senergy Reinforcing Mesh Embedded in Senergy Base Coat
- EPS or Neopor GPS Plus Rigid Insulation Board
- Senergy Finish

Notes:
- Extend BASF DIAMONDSHIELD or Senergy Reinforcing Mesh and Base Coat from band or shape onto BASF STUCCOBASE a minimum of 76 mm (3").
- Adhere EPS or Neopor GPS Plus Rigid Insulation band/shape with Senergy base coat to BASF STUCCOBASE surface.
Notes:
- Ensure water-resistant barrier laps over the Amico C-I Weep Trac flange.
- Provide end-dams at flashing terminations.
- Seal flashing drip edge to window frame.

TYPICAL WINDOW HEAD (FLUSH)

TYPICAL WINDOW HEAD (RECESSED)

Notes:
- Ensure water-resistant barrier laps over the Amico C-I Weep Trac flange.
**Senergy Platinum CI Stucco Details**

**TYPICAL FLANGED WINDOW HEAD**

- Acceptable Sheathing*
- Water-Resistant Barrier
- Senergy Finish
- Framing*
- Neopor GPS Plus
- Rigid Insulation Board
- Permalath 1000
- Or Metal Plaster Base
- BASF Stuccobase
- Corner Bead
- Window Head Flashing*
- Backer Rod and Sealant*
- Amico C-I Weep Trac™
- Window*

(* NOTE: BY OTHERS)

**Notes:**

- As recommended by window manufacturer, apply sealant to back of window flange at head prior to installation of window.
- Ensure water-resistive barrier laps over the Amico C-I Weep Trac flange.
- Provide end-dams at flashing terminations.
- Seal flashing drip edge to window frame.

**TYPICAL WINDOW JAMB (FLUSH)**

- Framing*
- Acceptable Sheathing*
- Water-Resistant Barrier
- Neopor GPS Plus
- Rigid Insulation Board
- Amico C-I Weep Trac™
- Corner Bead
- Permalath 1000
- Or Metal Plaster Base
- BASF Stuccobase
- Backer Rod and Sealant*
- Senergy Finish
- Window*

(* NOTE: BY OTHERS)

**Notes:**

- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- Do not apply finish into joint to receive sealant.
- Use non-hole punched version of Amico C-I Weep Trac on jambs.
Notes:

- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- Use non-hole punched version of Amico C-I Weep Trac on jambs.

TYPICAL WINDOW JAMB (RECESSED)

TYPICAL FLANGED WINDOW JAMB

Notes:

- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- As recommended by window manufacturer, apply sealant to back of window flange at jamb prior to installation of window.
- Use non-hole punched version of Amico C-I Weep Trac on jambs.
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**TYPICAL WINDOW SILL (FLUSH)**

- WINDOW*
- FRAMING*
- ACCEPTABLE SHEATHING*
- AMICO C-I WEEP TRAC™
- BACKER ROD AND SEALANT*
- CORNER BEAD
- BASF STUCCOBASE
- NEOPOR GPS PLUS RIGID INSULATION BOARD
- TYPICAL WINDOW SILL FLUSHING
- WATER-RESISTIVE BARRIER
- SENERGY FINISH

(* NOTE: BY OTHERS)

**Notes:**
- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- Do not apply finish into joint to receive sealant.
- Use non-hole punched version of Amico C-I Weep Trac on sill.

**TYPICAL WINDOW SILL (RECESSED)**

- WINDOW*
- FRAMING*
- ACCEPTABLE SHEATHING*
- WATER-RESISTIVE BARRIER
- AMICO C-I WEEP TRAC™
- CORNER BEAD
- SEALANT*
- NEOPOR GPS PLUS RIGID INSULATION BOARD
- BASF STUCCOBASE
- PERMALATH 1000 OR METAL PLASTER BASE
- SENERGY FINISH

(* NOTE: BY OTHERS)

**Notes:**
- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- Use non-hole punched version of Amico C-I Weep Trac on sill.
Continuous Insulated (CI) Cement Plaster Stucco System featuring Neopor® GPS Plus Rigid Insulation Board

Notes:
- Ensure water-resistive barrier is properly applied into rough opening in accordance with water-resistive barrier manufacturer application guidelines.
- Do not seal window sill flange unless recommended by window manufacturer.
- Use non-hole punched version of Amico C-I Weep Trac on sill.

TYPICAL FLANGED WINDOW SILL

Notes:
- Ensure all penetrations through the PLATINUM CI STUCCO system are properly sealed.
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**TYPICAL DRYER VENT**

- ACCEPTABLE SHEATHING*
- WATER-RESISTIVE BARRIER
- NEOPOR GPS PLUS RIGID INSULATION BOARD
- BASF STUCCOBASE
- PERMALATH 1000 OR METAL PLASTER BASE
- VENT SLEEVE*
- DRYER VENT FLANGE SET IN SEALANT*
- SEALANT AT PERIMETER OF SHEATHING PENETRATION*
- DRYER VENT*
- FASTENERS THROUGH SLEEVE*
- FASTENERS SET IN SEALANT*
- SENERGY FINISH

*(NOTE: BY OTHERS)*

**Notes:**
- Ensure all fastener penetrations through the PLATINUM CI STUCCO system are properly sealed.

**TYPICAL DOWNSPOUT**

- ACCEPTABLE SHEATHING*
- DOWNSPOUT*
- SENERGY FINISH
- BASF STUCCOBASE
- PERMALATH 1000 OR METAL PLASTER BASE
- NEOPOR GPS PLUS RIGID INSULATION BOARD
- FASTENER W/ SLEEVE SET IN SEALANT*
- DOWNSPOUT STRAP SET IN SEALANT*

*(NOTE: BY OTHERS)*

**Notes:**
- Ensure all fastener penetrations through the PLATINUM CI STUCCO system are properly sealed.
Notes:
• Ensure all fastener penetrations through the PLATINUM CI STUCCO system are properly sealed.

TYPICAL LIGHT FIXTURE

ACCEPTABLE SHEATHING*
WATER-RESISTIVE BARRIER
NEOPOR GPS PLUS RIGID INSULATION BOARD
PERMALATH 1000 OR METAL PLASTER BASE
BASF STUCCOBASE
LIGHT FIXTURE FLANGE SET IN SEALANT*
SENERGY FINISH
MOUNTING BOX WITH BLOCKING, AS NEEDED*
LIGHT FIXTURE*

Notes:
• It is recommended to lap coping or roof edge flashing over the PLATINUM CI STUCCO system a minimum of 50 mm (2") with drip edge sealed.

TYPICAL TERMINATION AT METAL COPING / ROOF EDGE FLASHING - OPTION 01

METAL COPING / ROOF EDGE FLASHING*
ROOFING MEMBRANE*
BLOCKING*
CLEAT*
FRAMING*
CASING / STOP BEAD*
SEALANT*
SENERGY FINISH
BASF STUCCOBASE
PERMALATH 1000 OR METAL PLASTER BASE
NEOPOR GPS PLUS RIGID INSULATION BOARD
WATER-RESISTIVE BARRIER
ACCEPTABLE SHEATHING*
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TYPICAL TERMINATION AT METAL COPING / ROOF EDGE FLASHING - OPTION 02

Notes:
- It is recommended to lap coping or roof edge flashing over the PLATINUM CI STUCCO system a minimum of 50 mm (2") with drip edge sealed.

TYPICAL FLASHING / TERMINATION AT ROOF

Notes:
- Ensure water-resistant barrier laps over the Amico C-I Weep Trac flange.
- Terminate PLATINUM CI STUCCO system a minimum of 50 mm (2") above sloped roof.
Notes:
- Ensure water-resистive barrier laps over the Amico C-I Weep Trac flange.
- Terminate PLATINUM CI STUCCO system a minimum of 50 mm (2") above sloped roof.
- Extend step flashing 50 mm (2") behind PLATINUM CI STUCCO system.
- Kickout flashing: sealed or soldered seams, recommended minimum 100 mm (4") in height, extend 50 mm (2") from wall and angled to direct water into gutter/away from wall surface.