

Senergy® Cement-Board Stucco™ 500 System

SPECIFICATION
1021084

Impact resistant wall system incorporating a cement-board core, reinforced base coat and 100% acrylic polymer exterior finish

This specification is intended for applications on minimum 13 mm (1/2") thick cement board (ASTM C1325) substrates. This specification has been assembled to enable the design professional to select or delete sections to suit the project requirements.

Technical Information

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.

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Senergy Cement-Board Stucco 500 System: composite wall [and soffit] systems consisting of Base Coat, Reinforcing Mesh and Finish Coat.
- B. Schedule of Senergy Finish Coat.

1.02 RELATED SECTIONS

- A. Section 05400 Cold-Formed Metal Framing
- B. Section 06110 Wood Framing
- C. Section 07195 Air Barriers
- D. Section 07620 Sheet Metal Flashing and Trim: Perimeter flashings
- E. Section 07900 Sealants
- F. Section 09100 Metal Support Systems
- G. Section 09250 Gypsum Board

1.03 REFERENCES

- A. ASTM C150 Specification for Portland Cement.
- B. ASTM D1682 Test for Break Load and Elongation of Textile Fabrics.
- C. UL 723, ASTM E84 Tests for Surface Burning Characteristics of Building Materials.
- D. ASTM G23 Operating Light and Water Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-metallic Materials.
- E. ASTM G53 Operating Light and Water Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Non-metallic Materials.
- F. ASTM C67 Sampling and Testing Brick and Structural Clay Tile.
- G. ASTM B117 Standard Method of Salt Spray (Fog) Testing.
- H. ASTM D968 Abrasion Resistance of Organic Coatings by Falling Abrasive.
- I. FS TT-C-555B Coating Textured for Interior and Exterior Masonry Surfaces.
- J. MIL-Y-1140G Yarn, Cord, Sleeving, Cloth and Tape-Glass.
- K. Mil. Std. 810B Mildew Resistance.
(Method 508)
- L. ASTM E96 Water Vapor Transmission.
(Method B)

1.04 DEFINITIONS

Senergy Cement-Board Stucco 500 System: Exterior assembly comprised of Base Coat, Reinforcing Mesh, and Finish Coat.

1.05 SYSTEM DESCRIPTION

Performance Requirements: System shall meet or exceed the following performance standards when tested in accordance with the following methods:

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- A. Accelerated Weathering: ASTM G23-81 (testing period of 2000 hours) or ASTM G53-81 (testing period of 3000 hours); no cracking, flaking, or adverse effects.
- B. Wind Driven Rain: Federal Specification TT-C-555B; no visible leaks or dampness throughout to the rear face and less than 90 gram increase.
- C. Salt Spray Resistance: ASTM B117 Salt Spray (Fog) Testing; testing period of 300 hours; No adverse effects.
- D. Mildew Resistance: MIL Standard 810B, Method 508; no mildew growth supported after 28 days.
- E. Abrasion Resistance: ASTM D968-81, Method A; no cracking, checking, or loss of film integrity after 500 liters of sand.
- F. Surface Burning Characteristics: UL 723, ASTM E84; test specimen consists of Base Coat, Reinforcing Mesh and Finish Coat; flame spread less than 25 and smoke developed less than 450.

1.06 SUBMITTALS

- A. Submit under provisions of Section [01300] [01340].
- B. Product data: Provide data on Senergy Cement-Board Stucco 500 System materials, product characteristics, performance criteria, limitations and durability.
- C. Shop drawings: Indicate wall [and soffit] joint pattern and joint details, thickness, and installation details.
- D. Samples: Submit [two] [x] [millimeter] [inch] size samples of Senergy Cement-Board Stucco 500 System illustrating Finish Coat [custom] color and texture range.
- E. Certificate: System manufacturer's approval of applicator.
- F. Letter: System manufacturer's letter that materials meet or exceed specified requirements.
- G. System manufacturer's installation instructions: Indicate preparation required, installation techniques, jointing requirements and finishing techniques.

1.07 QUALITY ASSURANCE

- A. Applicator: Approved by Senergy in performing work of this Section.
- B. Field Samples:
 - 1. Provide under provisions of Section [01400] []
 - 2. Construct one field sample panel for each color and texture, [x] [meters] [feet] in size of system materials illustrating method of attachment, surface finish, color and texture.
 - 3. Prepare each sample panel using the same tools and techniques to be used for the actual application.
 - 4. Locate sample panel where directed.
 - 5. Accepted sample panel may [not] remain as part of the work.

1.08 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle products under provisions of Section [01600] [01610] []
- B. Deliver Senergy Cement-Board Stucco 500 System materials in original unopened packages with manufacturer's labels intact.
- C. Protect Senergy Cement-Board 500 System materials during transportation and installation to avoid physical damage.
- D. Store Senergy Cement-Board Stucco 500 System materials in cool, dry place protected from freezing. Store at no less than 4°C (40°F) (10°C/50°F for AURORA TC-100, BOREALIS, ALUMINA™ and AURORA STONE Finish). Protect from extreme heat and direct sunlight.
- E. Store Senergy Cement-Board Stucco 500 System Reinforcing Mesh in cool, dry place protected from exposure to moisture.

1.09 PROJECT/SITE CONDITIONS

- A. Do not apply Senergy Cement-Board Stucco 500 System in ambient temperatures below 4°C (40°F) (10°C/50°F for AURORA TC-100, BOREALIS ALUMINA™ and AURORA STONE Finish). Provide supplementary heat during installation and drying period when temperatures less than 4°C (40°F) (10°C/50°F for AURORA TC-100, BOREALIS ALUMINA™ and AURORA STONE Finish) prevail.
- B. Do not apply Senergy Cement-Board Stucco 500 System materials to frozen surfaces.
- C. Maintain ambient temperature at or above 4°C (40°F) (10°C/50°F for AURORA TC-100, BOREALIS ALUMINA™ and AURORA STONE Finish) during and at least 24 hours after Senergy Cement-Board Stucco 500 System installation and until dry.

1.10 SEQUENCING AND SCHEDULING

- A. Coordinate and schedule installation of Senergy Cement-Board Stucco 500 System with related work of other sections.
- B. Coordinate and schedule installation of trim, flashing, and joint sealers to prevent water infiltration behind the System.
- C. Coordinate and schedule installation of secondary moisture barrier, windows, doors, AC units etc.

1.11 WARRANTY

Provide Senergy standard five-year coating warranty for Senergy Cement-Board Stucco 500 System installations under provisions of Section [01700] [01740] [].

PART 2 - PRODUCTS

2.01 MANUFACTURERS

Senergy Cement-Board Stucco 500 System manufactured by BASF Wall Systems, Inc.

2.02 MATERIALS

A. Senergy Base Coats:

1. [ALPHA Base Coat: 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems, Inc.]
2. [ALPHA DRY Base Coat: dry-mix base coat containing Portland cement; manufactured by BASF Wall Systems, Inc.]
3. [ALPHA GENIE Base Coat: fiber-reinforced, 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems, Inc.]
4. XTRA-STOP Base Coat: 100% acrylic based, waterproof base coat, field mixed with Portland cement; manufactured by BASF Wall Systems, Inc.]

B. [Portland cement: conform to ASTM C150, Type I, II, or I/II, grey or white; fresh and free of lumps.]

C. Water: clean and potable without foreign matter.

D. [Insulation Board: expanded polystyrene ; ASTM C578 Type 1; flame spread less than 25, smoke developed less than 450 per ASTM E84, UL 723; minimum density 15.22 kg/m³ (0.95 lb/ft³); K=6.09 per millimeter (0.24 per inch)

19 mm (3/4") thickness minimum as indicated on drawings meeting the following:

1. Air dried (aged) 6 weeks, or equivalent prior to installation.
2. Edges: square within 0.8 mm per meter (1/32" per foot).
3. Thickness: tolerance of plus or minus 1.6 mm (1/16").]

E. FLEXGUARD Reinforcing Mesh: MIL-Y-1140G; balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with Senergy lamina components.

1. FLEXGUARD 4: standard weight.

2. [CORNER MESH: intermediate weight, pre-marked for easy bending, for reinforcing at exterior corners.]

3. [SELF-ADHERING MESH TAPE: a standard weight mesh coated with a pressure sensitive adhesive and used with Base Coat as reinforcement over acceptable sheathing joints, rough openings and at terminations.]

F. [TINTED PRIMER: 100% acrylic-based primer; color [] to closely match the selected Senergy Finish color; manufactured by BASF Wall Systems, Inc.]

G. [Senergy Finish Coat: SENERFLEX® 100% acrylic resin finish; air cured; compatible with Base Coat; Finish color factory-mixed; color [] as selected; Finish texture [CLASSIC] [FINE] [ENCAUSTO VERONA] [BELGIAN LACE] [TEXTURE] [COARSE] [SAHARA] [BOREALIS] [AURORA TC-100] [AURORA STONE] [ALUMINA™] as scheduled.]

- OR -

[SILCOAT® Finish: siliconized acrylic emulsion finish coat; air cured, Finish color factory-mixed; color [] as selected; Finish texture [CLASSIC] [FINE] [BELGIAN LACE] [TEXTURE] [SAHARA] as scheduled]

- OR -

[[SENERLASTIC®] [siliconized SENERLASTIC PLUS] Finish: 100% acrylic-based elastomeric finish; air cured; Finish color factory-mixed; color [] as selected; Finish texture [CLASSIC] [FINE] [BELGIAN LACE] [TEXTURE] [SAHARA] as scheduled.]

2.03 ACCESSORIES

A. Starter track, L bead, J bead, angled termination bead, casing beads, corner beads, expansion joints and weep screed must comply with ASTM D1784 or C1063 for vinyl. Type as recommended by Senergy.

B. Code approved air/weather barrier. minimum type 15 felt or kraft building paper, or code approved equivalent.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Verify project site conditions under provisions of Section [01039] [].

B. Walls

1. Air/weather Barrier

Verify that the air/weather barrier maintains a high tensile strength and is installed over the framing per applicable building code requirements, manufacturer's specifications and Senergy details, prior to application of the Senergy Cement-Board Stucco 500 System.

2. Cement-Board Substrate

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- a. Acceptable cement boards must satisfy ASTM C1325 (Type A Exterior).
 - b. Cement-board must be securely fastened per applicable building code and project requirements.
 - c. Wall sheathings shall have maximum deflection not to exceed L/360 of span under positive or negative design loads unless otherwise approved in writing by Senergy before installation.
 - d. Examine surfaces to receive Senergy Cement-Board Stucco System 500 and verify that substrate and adjacent materials are dry, clean and sound. Verify substrate surface is flat, free of fins or planar irregularities greater than 6 mm in 3 m (1/4" in 10').
 - e. Cement-board must be a single piece around corners of openings.
 - f. Cement-board must be fastened with corrosion-resistant fasteners.
3. Flashings
- a. Head, jamb and sills of all openings must be flashed with a minimum 230 mm (9") strip of secondary moisture barrier prior to window/door, HVAC, etc installation. Refer to *Senergy Moisture Protection Guidelines*.
 - b. Windows and openings shall be flashed according to design and building code requirements.
 - c. Individual windows that are ganged to make multiple units require that the heads be continuously flashed and/or the joints between the units must be fully sealed.
4. Decks
- a. Decks must be properly flashed prior to system application.
 - b. The system must be terminated a minimum of 25 mm (1") above all decks, patios and sidewalks, etc.
5. Utilities
- The system must be properly terminated at all lighting fixtures, electrical outlets, hose bibs, dryer vents, etc.
6. Roof
- Verify that all roof flashings have been installed in accordance with the guidelines set forth by the Asphalt Roofing Manufacturers Association (ARMA).
7. Kick-out flashing
- Kick-out flashing must be leak proof and angled (min. 100 degrees) to allow for proper drainage and water diversion.
- C. Unsatisfactory conditions shall be reported to the general contractor and/or builder and/or architect and/or owner. Do not proceed until all unsatisfactory conditions have been corrected.
- D. Installation of the Senergy Cement-Board Stucco System 500 is limited to cases of limited size and/or protected areas such as equipment- or privacy-screen walls, soffits, fascia, protected areas, balcony areas, penthouse areas, etc.**
- E. Spacing of the framing shall not exceed 16" o.c.**
- F. All cement-board terminations must be supported by a framing member.**
- G. Supplemental framing/blocking may be required to secure cement board at vertical control / expansion joints.**

3.02 PREPARATION

- A. Protect all surrounding areas and surfaces from damage and staining during application of Senergy Cement-Board Stucco 500 System.
- B. Protect finished work at end of each day to prevent water penetration.
- C. Substrate preparation: Prepare substrates in accordance with manufacturer's instructions.

3.03 MIXING

General: No additives are permitted unless specified in product mixing instructions. Close containers when not in use. Clean tools with soap and water immediately after use.

A. SENERFLEX® Base Coats:

1. Senergy ALPHA, ALPHA GENIE and XTRA-STOP Base Coat:
 - a. Prepare in a container which is clean and free of foreign substances. Do not use container which has contained or been cleaned with a petroleum-based product.
 - b. Mix Base Coat with a paddle and drill until thoroughly blended, before adding Portland cement.
 - c. Mix one part (by weight) Portland cement with one part Base Coat. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment.
 - d. Clean, potable water may be added to adjust workability.
2. ALPHA DRY Base Coat:
 - a. Mix and prepare each bag in a 19-liter (5-gallon) pail which is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product.
 - b. Fill the container with approximately 5.6 liters (1 1/2 gallons) of clean, potable water.
 - c. Add ALPHA DRY Base Coat in small increments, mixing after each additional increment.
 - d. Mix ALPHA DRY Base Coat and water with a mixer until thoroughly blended.
 - e. Additional ALPHA DRY Base Coat or water may be added to adjust workability.

- B. Senergy TINTED PRIMER and Finish Coats:
 1. Thoroughly mix the factory-prepared Senergy materials to a smooth, workable consistency.
 2. A small amount of clean, potable water may be added to adjust workability.

3.04 APPLICATION

General: Apply Senergy Cement-Board Stucco 500 System materials in accordance with Senergy specifications.

- A. Accessories: Attach starter track per manufacturer's instructions and *Senergy Cement-Board Stucco 500 System Typical Details*.
- B. Install weather barrier directly over open framing and wrap into openings in accordance with *Senergy Secondary Moisture Protection Guidelines*.
- C. Install cement-board over secondary weather barrier in accordance to the manufacturer's instructions and project requirements.
- D. Senergy SELF-ADHERING MESH TAPE (4")
 1. Immediately center the SELF-ADHERING MESH TAPE (4") over all cement-board joints and terminations and firmly press while unrolling.
 2. Ensure SELF-ADHERING MESH TAPE is continuous, void of wrinkles. Overlap SELF-ADHERING MESH TAPE a minimum 65 mm (2 1/2").
 3. Apply mixed [ALPHA] [ALPHA DRY] [ALPHA GENIE] [XTRA-STOP] Base Coat to entire surface of mesh by troweling from the center to the edges.
 4. Allow Base Coat and SELF-ADHERING MESH TAPE to dry prior to application of FLEXGUARD Reinforcing Mesh and Base Coat.
- E. [Install trim accessories per manufacturer's recommendations. Refer to Senergy's *Cement-Board Stucco Trim and Accessories* bulletin for accessory placement]
- F. [Senergy insulation board, used for bands or quoins:
 1. Pre-cut insulation board.
 2. Apply mixed Senergy [ALPHA] [ALPHA DRY] [ALPHA GENIE] [XTRA-STOP] Base Coat to the entire surface of insulation board using a stainless steel trowel with 13 mm x 13 mm (1/2" x 1/2") notches spaced 13 mm apart (1/2") apart.
 3. Immediately slide board into place and apply pressure over the entire surface of board to insure uniform contact and high initial grab. Do not allow base coat to dry prior to installing.
 4. Abut all joints tightly and ensure overall flush level surface.
 5. Fill gaps with slivers of insulation board.
 6. Allow application of insulation board to dry (normally 8–10 hours) prior to application of Senergy Base Coat and Mesh.
 7. Rasp flush any irregularities greater than 1.6 mm (1/16").]
- G. Senerflex® Base Coat/Reinforcing Mesh: Base Coat shall be applied so as to achieve Reinforcing Mesh embedment with no Reinforcing Mesh color visible.
 1. Senerflex CORNER MESH:
 - a. Install CORNER MESH at exterior corners.
 - b. Apply CORNER MESH prior to application of FLEXGUARD Reinforcing Mesh.
 - c. Cut CORNER MESH to workable lengths.
 - d. Apply mixed [ALPHA] [ALPHA DRY] [ALPHA GENIE] [XTRA-STOP] Base Coat to insulation board at outside corners using a stainless steel trowel.
 - e. Immediately place CORNER MESH against the wet Base Coat and embed the CORNER MESH into the Base Coat by troweling from the corner; butt edges and avoid wrinkles.
 - f. After Base Coat is dry and hard, apply a layer of FLEXGUARD 4 Reinforcing Mesh over the entire surface of the CORNER MESH in accordance with 3.04 H.]
- H. FLEXGUARD 4 Reinforcing Mesh:
 1. Apply mixed [ALPHA] [ALPHA DRY] [ALPHA GENIE] [XTRA-STOP] Base Coat to entire surface of cement-board with a stainless steel trowel to embed the Reinforcing Mesh.
 2. Immediately place FLEXGUARD 4 Reinforcing Mesh against wet Base Coat and embed the Reinforcing Mesh into the Base Coat by troweling from the center to the edges.
 3. Lap Reinforcing Mesh 64 mm (2 1/2") minimum at edges.
 4. Ensure Reinforcing Mesh is continuous at corners, void of wrinkles and fully embedded in Base Coat.
 5. If required, apply a second layer of Base Coat to achieve total nominal Base Coat/Reinforcing Mesh thickness of 1.6 mm (1/16").
 6. Allow Base Coat with embedded Reinforcing Mesh to dry hard (normally 8 to 10 hours)

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- I. [Senergy TINTED PRIMER:
 1. Apply TINTED PRIMER to dry Base Coat/Reinforcing Mesh with a sprayer, 10 mm (3/8") nap roller, or good-quality latex paint brush at a rate of approximately 3.6–6.1 m² per liter (150–250 ft² per gallon).
 2. TINTED PRIMER shall be dry to the touch before proceeding to the Senergy Finish Coat application]
- J. Senergy Finish Coat
 1. [SENERFLEX® Finish: [CLASSIC] [TEXTURE] [COARSE] [SAHARA] [FINE] [BELGIAN LACE] [ENCAUSTO VERONA]
- OR -
[SILCOAT® Finish: [CLASSIC] [TEXTURE] [SAHARA] [FINE] [BELGIAN LACE]
- OR -
[[SENERLASTIC™] [SENERLASTIC PLUS] Finish: [CLASSIC] [SAHARA] [FINE] [BELGIAN LACE] [TEXTURE]
 - a. Apply Finish directly to Base Coat/Reinforcing Mesh with a clean stainless steel trowel to thickness required for type of Finish Coat specified.
Note: Certain colors may require the use of Senergy Tinted Primer over the Senergy Base Coat/Reinforcing Mesh prior to application of Finish.
Note: In order to minimize the possibility of base coat read-through with color #330 Ultra-White in CLASSIC and BELGIAN LACE, we recommend the use of Tinted Primer. Base Coat read-through with CLASSIC or BELGIAN LACE Finish in Ultra-White is very applicator dependent. A color sample must be approved prior to product shipment. Also, slight color or texture variations may occur. Over time, and depending on its exposure, Encausto Verona's appearance will achieve a soft, weathered patina. ENCAUSTO VERONA Finish will not hide imperfections in the base coat surface. Dark colors will show marks from scratching. Built-up applications are not recommended as craze cracking can result.
 - b. Apply and level Finish during same operation to minimum obtainable thickness consistent with uniform coverage.
 - c. Maintain a wet edge on Finish by applying and texturing continually over the wall surface.
 - d. Work Finish to corners, joints, or natural breaks and do not allow material to set up within an uninterrupted wall area.
 - e. Float Finish to achieve final texture.]
 - [2. [AURORA TC-100] [BOREALIS] Finish
 - a. Apply TINTED PRIMER to substrate in accordance with current Senergy TINTED PRIMER product bulletin. TINTED PRIMER shall be of corresponding color for selected [ALUMINA™] [AURORA TC-100] [BOREALIS] Finish color. Allow TINTED PRIMER to dry to the touch before proceeding to [ALUMINA™] [AURORA TC-100] [BOREALIS] Finish application.
 - b. Apply a tight coat of Finish with a clean, stainless steel trowel.
 - c. Maintain a wet edge on Finish by applying and leveling continually over the wall surface.
 - d. Work Finish to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area. Allow first coat to set until surface is completely dry prior to applying a second coat of Finish.
 - e. [For a smooth appearance, use a stainless steel trowel and apply the second coat of Finish. Achieve final texture using circular motions.]
- OR -
[For a textured appearance, apply the second coat of Finish using a spray gun and hopper. Double-back to achieve final texture.]
 - f. Total thickness of Finish shall be approximately 1.6 mm (1/16").
 - [3. AURORA STONE Finish
 - a. Apply Senergy TINTED PRIMER to substrate in accordance with current Senergy TINTED PRIMER Product Bulletin. TINTED PRIMER shall be of corresponding color for selected AURORA STONE Finish color. Allow TINTED PRIMER to dry to the touch before proceeding to AURORA STONE Finish application.
 - b. Apply a coat of AURORA STONE Finish using a spray gun and hopper, maintaining a wet edge. Work to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area.
 - c. Allow first coat of AURORA STONE Finish to set until surface is completely dry prior to applying a second coat of AURORA STONE Finish.
 - d. Apply a second coat of AURORA STONE Finish using a spray gun and hopper; double back to achieve final texture.
 - e. Thickness of AURORA STONE Finish may vary between 1.6 mm (1/16") and 3.2 mm (1/8"), depending upon texture.

Note: Spraying of AURORA STONE Finish should be by the same manner, direction and mechanic on a particular elevation or project whenever possible, to maintain a uniform appearance. Maintain consistent air pressure to minimize texture variations. Stator or rotor design pumps are not recommended.]

- 4. [ALUMINA™ Finish:
 - a. Apply the proper color-coordinated Senergy TINTED PRIMER per instructions. Allow to cure until dry to the touch before proceeding to the application of the ALUMINA Finish.
 - b. Apply a tight coat of ALUMINA Finish approximately 1.6 mm (1/16") to 3 mm (1/8") thick, directly to the Senergy Base Coat/Reinforcing Mesh with a clean, stainless steel trowel.
 - c. Maintain a wet edge on ALUMINA Finish by applying and leveling continually over the wall surface.
 - d. Work ALUMINA Finish to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area.
 - e. Float the ALUMINA finish with a gentle figure-8 motion, cleaning the float often.

3.05 CLEANING

- A. Clean work under provisions of Section [01700] [].
- B. Clean adjacent surfaces and remove excess material, droppings, and debris.

3.06 PROTECTION

Protect finished work under provisions of Section [01500] [].

3.07 SCHEDULES

Senergy Finish Coat

FINISH	LOCATION
A. CLASSIC	_____
SILCOAT® CLASSIC	_____
SENERLASTIC™ CLASSIC	_____
SENERLASTIC™ PLUS CLASSIC	_____
B. SAHARA	_____
SILCOAT® SAHARA	_____
SENERLASTIC™ SAHARA	_____
SENERLASTIC™ PLUS SAHARA	_____
C. TEXTURE	_____
SILCOAT® TEXTURE	_____
SENERLASTIC™ TEXTURE	_____
SENERLASTIC™ PLUS TEXTURE	_____
D. FINE	_____
SILCOAT® FINE	_____
SENERLASTIC™ FINE	_____
SENERLASTIC™ PLUS FINE	_____
E. BELGIAN LACE	_____
SILCOAT® BELGIAN LACE	_____
SENERLASTIC™ BELGIAN LACE	_____
SENERLASTIC™ PLUS BELGIAN LACE	_____
F. COARSE	_____
G. BOREALIS	_____
H. AURORA TC-100	_____
I. AURORA STONE	_____
I. ALUMINA™	_____

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 web-site, www.senergy.cc for additional information about products and systems and for updated literature.

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