

Acrowall-ESV

Water-managed Class PB EIFS incorporating a secondary moisture barrier

INTRODUCTION

This Specification has been assembled to enable the design professional to select or delete sections to suit the project requirements and is intended to be used in conjunction with Acrocrete[®] typical details, bulletins, etc.

Air seals at any joints/gaps between adjoining components (penetrations, etc.) are of primary importance to maintain continuity of the air barrier system and must be considered by the design professional in the overall wall assembly design.

This specification refers to applications of the ACROWALL-ESV to the following substrates: PermaBase Cement-Board and other cement-boards conforming with ASTM C1325 (Type A-exterior), poured concrete/unit masonry, Fiberock[®] Aqua-Tough[™] Sheathing, e²XP[™] by National Gypsum, GlasRoc[®] and GlasRoc[®] Type X by Certaineed, DensGlass Gold[®] sheathing (ASTM C1177), gypsum sheathing (ASTM C1396), Exposure I or exterior plywood (Grade C-D or better), or Exposure I OSB. This Specification has been assembled to enable the design professional to select or delete sections to suit the project requirements.

TECHNICAL SUPPORT

Consult the BASF Wall Systems Technical Services Department at 800-589-1336 for specific recommendations concerning all other applications. Consult the Acrocrete website, www.acrocrete.basf.com, for additional information about products and systems and for updated literature.

PART 1 - GENERAL

1.01 SECTION INCLUDES

ACROWALL-ESV: Insulation Board, mechanical fasteners, base coat, reinforcing mesh, and finish coat.

1.02 RELATED SECTIONS

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|----|---------------|--|
| A. | Section [-] | Concrete Substrate |
| B. | Section [-] | Masonry Substrate |
| C. | Section 05400 | Cold-Formed Metal Framing |
| D. | Section 06001 | Plywood Substrate |
| E. | Section 06110 | Wood Framing |
| F. | Section 07195 | Air Barriers |
| G. | Section 07620 | Sheet Metal Flashing and Trim: Perimeter Flashings |
| H. | Section 07900 | Sealants |
| I. | Section 09100 | Metal Support Systems |
| J. | Section 09250 | Gypsum Board |

1.03 DEFINITIONS

- A. Exterior Insulation and Finish System: Exterior assembly comprised of rigid insulation, adhesive, base coat, reinforcing mesh, and finish coat.
- B. Class PB Systems: A class of EIFS where the base coat varies in thickness depending upon the number of layers or thickness of reinforcing mesh. The reinforcing material is glass fiber mesh, which is embedded into the base coat at the time of installation. The base coat shall be applied so as to achieve reinforcing mesh embedment with no reinforcing mesh color visible, nominal 1.6 mm (1/16"). Protective finish coats, of various thicknesses, in a variety of textures and colors, are applied over the base coat.

1.04 SUBMITTALS

- A. Submit under provisions of Section [01300] [01340].
- B. Product Data: Provide data on ACROWALL-ESV 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 ACROWALL-ESV 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.

1.05 QUALITY ASSURANCE

- A. Applicator: Approved by BASF Wall Systems in performing work of this section.
- B. Regulatory requirements: Conform to applicable code requirements for finish system.
- C. 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] [may not] remain as part of the work.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle products under provisions of Section [01600] [01610] [].
- B. Deliver ACROWALL-ESV materials in original unopened packages with manufacturer's labels intact.
- C. Protect ACROWALL-ESV materials during transportation and installation to avoid physical damage.
- D. Store ACROWALL-ESV materials in cool, dry place protected from freezing. Store at no less than 4°C/40°F (10°C/50°F for ACROSTONE™, ACROQUARTZ™, ACROFLAKE™ and ACROMICA™ finish).
- E. Store insulation boards flat and protected from direct sunlight and extreme heat.
- F. Store ACROWALL-ESV reinforcing mesh, ACROFLASH™/ACROWRAP™ flexible flashing in cool, dry place protected from exposure to moisture.

1.07 PROJECT/SITE CONDITIONS

- A. Do not apply ACROWALL-ESV in ambient temperatures below 4°C/40°F (10°C/50°F for ACROSTONE, ACROQUARTZ, ACROFLAKE and ACROMICA finish). Provide properly vented, supplementary heat during installation and drying period when temperatures less than 4°C/40°F (10°C/50°F for ACROSTONE, ACROQUARTZ, ACROFLAKE and ACROMICA finish) prevail.
- B. Do not apply ACROWALL-ESV materials to frozen surfaces.
- C. Maintain ambient temperature at or above 4°C/40°F (10°C/50°F for ACROSTONE, ACROQUARTZ, ACROFLAKE and ACROMICA finish) during and at least 24 hours after ACROWALL-ESV installation and until dry.

1.08 SEQUENCING AND SCHEDULING

- A. Coordinate and schedule installation of ACROWALL-ESV 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 windows, doors, A/C units, air seals etc.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

ACROWALL-ESV (Class PB System) manufactured by BASF Wall Systems.

2.02 MATERIALS

- A. Air/weather barrier
 - 1. a. FLASHING PRIMER: water-based primer for use prior to application of ACROFLASH™ on all acceptable surfaces.
 - b. ACROFLASH™: 30-mil thick, self-sealing, self-healing composite membrane of polyester fabric and rubberized asphalt. Compatible with ACROSTOP™ T or ACROSTOP™ R air/weather barrier.
 - OR -
 - SELF-ADHERING MESH TAPE: 4" balanced, open weave glass fiber reinforcing mesh with adhesive; twisted multi-end strands treated for compatibility with system components for use with ACROSTOP T or ACROSTOP R.
 - OR -
 - 4" ACROMESH™ 4: balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with system components for use with ACROSTOP T or ACROSTOP R.
 - OR -
 - SHEATHING FABRIC: 4" spunbonded non-woven reinforced polyester web for use with ACROSTOP R.
 - 2. ACROSTOP™ T: 100% acrylic-based, fiber-reinforced air/weather barrier that is field mixed with Type I or Type II Portland cement.
 - OR -
 - ACROSTOP™ R: ready-mixed, flexible air/weather barrier.]
 - 3. Other code approved secondary weather barrier
- B. Adhesives/base coats
 - [1. ACROBASE® NC: 100% acrylic polymer-based, non-cementitious base coat; manufactured by BASF Wall Systems]
 - [2. ACROBASE® 60 OR 90 base coat: 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
 - [3. ACRODRY™ base coat: Dry-mix base coat containing Portland cement; manufactured by BASF Wall Systems]
 - [4. ACROTITE™ base coat: 100% acrylic-based, waterproof base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
 - [5. ACROBASE® HB base coat: Fiber-reinforced, 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
- [C. Portland cement: Conform to ASTM C150, Type I, II, or I/II, grey or white; fresh and free of lumps.]

- D. Water: Clean and potable without foreign matter.
- [E. DRAINAGE MAT: Three-dimensional drainage core consisting of fused, entangled filaments.]
- [F. DRAINAGE WRAP: Secondary Weather Barrier consisting of a three-dimensional drainage core bonded to a 60-minute building paper supplied by BASF Wall Systems]
- G. [1. EPS insulation board: Expanded polystyrene; ASTM C578, Type I; Flame spread less than 25, smoke developed less than 450 per ASTM E84, UL 723; minimum density 14.41 kg/m³ (0.9 lb/ft³; K=6.09/mm (0.24/inch); 25.4 mm (1") thickness minimum as indicated on drawings; meeting the following:
- Air-dried (aged) six weeks, or equivalent, prior to installation.
 - Edges: Square within 0.8 mm per meter (1/32" per foot).
 - Thickness: Tolerance of plus or minus 1.6 mm (1/16").
 - Size: 0.6 m x 1.22 m (2' x 4').
 - Length and width: Tolerance of plus or minus 1.6 mm (1/16").]
- OR -
- [1. QR polyisocyanurate insulation board: Thermax Quik-R by Celotex, Tampa, Florida; or Stucco-Shield II by Atlas Roofing Corporation, Atlanta, Georgia. Nominal density 32 kg/m³ (2 lbs/ft³); 25.4, 38.1, or 50.8 mm (1", 1.5", or 2") thickness as indicated on Drawings; meeting the following:
- Size: 1.22 m x 2.44 m, 1.22 m x 2.74 m (4' x 8', 4' x 9'), or other size as provided by insulation board manufacturer.
 - Edges: square within 4.8 mm (3/16") (1.22 m x 2.44 m / 4' x 8').
 - Thickness: tolerance of less than 1.6 mm (1/16") (25.4 mm / 1" thick).
 - Length: tolerance of plus or minus 6.3 mm (1/4") (1.22 m x 2.44 m / 4' x 8').
 - Width: tolerance of plus or minus 1.6 mm (1/16") (1.22 m x 2.44 m / 4' x 8').]
- OR -
- [1. Channeled insulation board: expanded polystyrene; ASTM C578, Type I; Flame spread less than 25, smoke developed less than 450 per ASTM E84, UL 723; minimum density 14.41 kg/m³ (0.9 lb/ft³; K=6.09/mm (0.24 / inch); 38 mm (1 1/2") thickness minimum as indicated on drawings; with 6 mm deep x 25 mm wide (1/4" x 1") drainage channels running parallel to the 2' dimension and spaced 305 mm (12") on center; meeting the following:
- Air-dried (aged) six weeks, or equivalent, prior to installation.
 - Edges: Square within 0.8 mm per meter (1/32" per foot).
 - Thickness: Tolerance of plus or minus 1.6 mm (1/16").
 - Size: 0.6 m x 1.22 m (2' x 4').
 - Length and width: Tolerance of plus or minus 1.6 mm (1/16").]
- H. Fastener system: Type appropriate for application and substrate, as recommended by Acrocrete®.
- [1. EPS insulation board fasteners: Wind-Devil 2 Mechanical Fastening System manufactured by Wind-Lock Corp.
- Temporary fasteners: Galvanized nails or building staples.
 - Light gauge steel framing (20 gauge): Type LM fastener and plate system; 16 mm (5/8") minimum penetration into framing.
 - Heavy gauge steel framing (20 to 12 gauge maximum): Type S fastener and plate system; 16 mm (5/8") minimum penetration into framing.
 - Masonry: Type ME expansion fastener and plate system; 25 mm (1") minimum penetration into masonry.
 - Wood framing:
[Type W fastener and plate system; 16 mm (5/8") minimum penetration into framing.]
- OR -
[Galvanized common nails with Wind-Lock ULP-302 plates; 25.4 mm (1") minimum penetration into framing.]
- OR -
- [1. QR polyisocyanurate insulation board fasteners
- Temporary fasteners: Galvanized nails or building staples.
 - Insulation board fasteners:
 - Unit Masonry or Concrete: Type ME expansion anchor or Type M 4.8 mm (3/16") diameter bugle head masonry anchor with 44.45 mm (1.75") diameter ULP-402 plate by Wind-Lock Corp. or plastic Quik-Cap washer by Celotex; 25.4 mm (1") minimum anchor penetration into masonry.
 - Light gauge steel framing/furring (20 Gauge): Type S bugle head screws 44.45 mm (1.75") diameter ULP-402 plate by Wind-Lock Corp. or plastic Quik-Cap washer by Celotex; 25.4 mm (1") minimum anchor penetration into framing.
 - Heavy gauge steel framing (20 to 12 Gauge maximum): Type S-12 bugle head screws 44.45 mm (1.75") diameter ULP-402 plate by Wind-Lock Corp. or plastic Quik-Cap washer by Celotex; 25.4 mm (1") minimum anchor penetration into framing.
 - Wood framing: Type W bugle head screws or galvanized common nails with ULP-402 plate by Wind-Lock Corp. or plastic Quik-Cap washer by Celotex; screws shall penetrate framing 15.9 mm (5/8") minimum; galvanized common nails shall penetrate framing 25.4 mm (1") minimum.]
- I. ACROCRETE® REINFORCING MESH: MIL-Y-1140G; Balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with ACROWALL-ESV components
- ACROMESH™ 4: Standard weight.]
 - INTERMEDIATE 6: Standard/medium weight.]
 - INTERMEDIATE 12: Intermediate weight.]
 - HI-IMPACT 20: Heavy weight, used only in combination with ACROMESH 4 or INTERMEDIATE 6.]
 - ACROCRETE® REINFORCING MESH [&]; Combination.]
 - CORNER MESH: Intermediate weight, pre-marked for easy bending, for reinforcing at exterior corners.]
- [J. [ACROCOTE® T] [siliconized ACROCOTESIL™ T]: 100% acrylic-based coating; color []; as manufactured by BASF Wall Systems]

- [K. [ACROCOTE®] [silicized ACROCOTESIL]: 100% acrylic-based coating; color [] to closely match the selected Acrocrete finish coat color; manufactured by BASF Wall Systems]
- [L. ACROPRIMER™: 100% acrylic-based primer; color [] to closely match the selected Acrocrete finish coat color; manufactured by BASF Wall Systems]
- M. Acrocrete® finish coat: [ACROTEX™ 100% acrylic resin finish; air cured, compatible with base coat; finish color factory-mixed; color [] as selected; finish texture [S05] [S10] [S15] [S20] [T15] [T20] [METALLIC ACROCOTE®] [ACROMICA™] [ACROQUARTZ™] [ACROSTONE™] [ACROFLAKE™] as scheduled.]
- OR -
[ACROTEXSIL™ finish: Siliconized acrylic emulsion finish coat; air cured, finish color factory-mixed; color [] selected; finish texture [S05] [S10] [S15] [S20] [T15] [T20] as scheduled.]

NOTE: **Select finish coat color with a light reflectance value (LRV) of 20% or higher. The use of dark colors (LRV less than 20%) is not recommended with EIF Systems that incorporate expanded polystyrene (EPS). EPS has a sustained service temperature limitation of approximately 71°C (160°F).**

2.03 ACCESSORIES

Starter Track: Rigid polyvinyl chloride (PVC) track, UV resistant for exterior use, with a drip edge to allow moisture to shed down the surface, as furnished by Plastic Components, Inc. or equal. Accessories shall conform to ASTM D 1784 and C 1063.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify project site conditions under provisions of Section [01039] [].
- B. Walls
1. Substrates
 - a. Trowel applied air/weather barrier acceptable substrates: PermaBase brand cement board (or other ASTM C1325 Type A Exterior approved cement boards), Fiberock Aqua-Tough Sheathing; Dens-Glass Gold sheathing (ASTM C1177); gypsum sheathing (ASTM C79/C1396); poured concrete and unit masonry.
Roller applied air/weather barrier acceptable substrates: PermaBase brand cement board (or other ASTM C1325 Type A Exterior approved cement boards), Fiberock Aqua-Tough Sheathing, Dens-Glass Gold, gypsum sheathing, Exposure I or exterior plywood sheathing (Grade C-D or better), Exposure I OSB. Consult the BASF Wall Systems Technical Services Department for all other applications.
 - b. Wall sheathings must be securely fastened per applicable building code requirements.
 - c. Wall sheathings shall have maximum deflection not to exceed L/240 of span under positive or negative design loads unless otherwise approved in writing by BASF Wall Systems before installation.
 - d. Examine surfaces to receive ACROWALL-ESV 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').
 2. Flashings
 - a. Heads, jambs 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 ACROWRAP™ Product Bulletin, Acrocrete® Moisture Protection Guidelines and ACROWALL-ESV Details.
 - 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 continuous head flashing and/or the joints between the units must be fully sealed.
 3. Utilities

The system must be properly terminated (back-wrapped, sealed, flashed) at all lighting fixtures, electrical outlets, hose bibs, dryer vents, etc. Refer to ACROWALL-ESV Details.
 4. Decks

Wood decks must be properly flashed prior to system application. For proper application, refer to details. The system must be terminated a minimum of 25 mm (1") above all decks, patios, sidewalks, etc.
 5.
 - a. Secondary moisture barrier

Verify that the secondary moisture barrier is installed over the substrate per applicable building code requirements, manufacturer's specifications and ACROWALL-ESV Details prior to application of the ACROWALL-ESV.
 - b. Air/weather barrier

Verify that the [FLASHING PRIMER/ACROFLASH™ 4] [SELF-ADHERING MESH] [4" ACROMESH™ 4 reinforcing mesh]/ACROSTOP™ T is installed over the substrate per applicable manufacturer's specifications prior to application of ACROWALL-ESV.

-OR -

Apply the [4" SHEATHING FABRIC/ACROSTOP R] according to the ACROSTOP R Product Bulletin.

Refer to current ACROSTOP T or ACROSTOP R Product Bulletin and Secondary Moisture Protection Guidelines from Acrocrete.]
 6. Roof

Verify that all roof flashings have been installed in accordance with the guidelines set by the Asphalt Roofing Manufacturers Association (ARMA).
 7. Kick-out flashing must be leak-proof and angled (min 100') 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.

3.02 PREPARATION

- A. Protect all surrounding areas and surfaces from damage and staining during application of ACROWALL-ESV.
- B. Protect finished work at end of each day to prevent water penetration.
- C. Substrate preparation: Prepare substrates in accordance with Acrocrete instructions.

3.03 MIXING

General: No additives are permitted unless specified in product mixing instructions. Close containers when not in use. Prepare in a container that is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product. Clean tools with soap and water immediately after use.

- [A. Air/weather barrier
 - 1. ACROSTOP™ T
 - a. Mix ACROSTOP T with a paddle and drill until thoroughly blended before adding Portland cement.
 - b. Mix one part (by weight) Portland cement with one part ACROSTOP T. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment.
 - c. Up to 1 quart of clean, potable water per mixed pail (30 lbs of ACROSTOP T) may be added to adjust workability. **Do not overwater.**
 - 2. ACROSTOP™ R
Mix ACROSTOP R with a clean, rust-free paddle and drill until thoroughly blended.]
- B. Acrocrete base coat
 - 1. ACROBASE® NC:
 - a. Mix ACROBASE NC with a paddle and drill, until thoroughly blended.
 - b. Clean, potable water may be added to adjust workability.
 - 2. ACROBASE® 60 OR 90, ACROTITE™, and ACROBASE® HB base coat
 - a. Mix base coat with a clean, rust-free paddle and drill until thoroughly blended, before adding Portland cement.
 - b. 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.
 - c. Clean, potable water may be added to adjust workability.
 - 3. ACRODRY™ base coat
 - a. Mix and prepare each bag in a 19-liter (5-gallon) pail.
 - b. Fill the container with approximately 5.6-liters (1.5-gallons) of clean, potable water.
 - c. Add ACRODRY base coat in small increments, mixing after each additional increment.
 - d. Mix ACRODRY base coat and water with a mixer until thoroughly blended.
 - e. Additional ACRODRY base coat or water may be added to adjust workability.
- C. Acrocrete® ACROCOTE® T, ACROCOTESIL™ T, ACROPRIMER™, ACROCOTE®, ACROCOTESIL™, and finish coats.
 - 1. Thoroughly mix the factory-prepared material with a mixer until thoroughly blended.
 - 2. A small amount of clean, potable water may be added to adjust workability.
 - 3. Additives are not permitted.
 - 4. Close container when not in use.
 - 5. Clean tools with soap and water immediately after use.

3.04 APPLICATION

General: Apply ACROWALL-ESV materials in accordance with ACROWALL-ESV Specifications and Details.

- A. Accessories
 - 1. Attach starter track level and per manufacturer's instructions. Ensure secondary moisture barrier overlaps on top of flange of the Starter Track.
 - 2. Air/weather barrier
 - a. All sheathing joints and windows/openings must be protected and the air/weather barrier applied according to Acrocrete current Secondary Moisture Protection Guidelines.
 - b. Substrate shall be of a type approved by Acrocrete.
 - c. Substrate shall be dry, clean, sound, and free of releasing agents, paint, or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities greater than 6.4 mm in 3 m (1/4" in 10').
 - d. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the ACROWALL-ESV.
 - e. Apply the [[FLASHING PRIMER/ACROFLASH™ 4] [SELF-ADHERING MESH TAPE] [4" ACROMESH 4 reinforcing mesh]/ACROSTOP™ T] according to current ACROSTOP T product bulletin.
-OR -
Apply the [4" SHEATHING FABRIC/ACROSTOP R] according to the ACROSTOP R product bulletin.
 - f. Installed materials should be checked before final system application.]
 - g. Ensure [4" ACROMESH 4 reinforcing mesh] [ACROPRIMER™/ACROFLASH™]/ACROSTOP™ T] [4" SHEATHING FABRIC/ACROSTOP™ R] overlaps the top flange of the starter track.
- [B. ACROCRETE® DRAINAGE MAT:
 - 1. Apply ACROCRETE DRAINAGE MAT horizontally or vertically over secondary moisture barrier. ACROCRETE DRAINAGE MAT should be free of wrinkles.
 - 2. Abut all vertical and horizontal edge.

3. Secure ACROCRETE DRAINAGE MAT to substrate with sufficient building staples or galvanized nails to remain in place prior to application of insulation board.
- C. Insulation Board:
1. Vertical surfaces: begin at base from firm, permanent, or temporary support.
 2. Apply horizontally in a running bond pattern.
 3. Pre-cut insulation board to fit openings and projections. Insulation board must be a single piece around corners of openings. Stagger vertical joints and corners. Stagger insulation and sheathing board joints.
 4. Install ACROWALL-ESV Type [M] [ME] [S] [S-12] [W] mechanical fasteners in accordance with ACROWALL-ESV Test Results and Methods of Attachment Technical Bulletin, and meet local design criteria.
 5. Fasten insulation board through secondary moisture barrier into framing member.
 6. Fill gaps between insulation boards slivers of insulation boards.
 7. Install expansion joints and other joints as indicated on Drawings. Do not align aesthetic grooves with insulation board joints.
- D. Acrocrete® base coat/reinforcing mesh: base coat shall be applied so as to achieve reinforcing mesh embedment with no reinforcing mesh color visible.
- [1. CORNER MESH
 - a. Install CORNER MESH at exterior corners.
 - b. Apply CORNER MESH prior to application of reinforcing mesh.
 - c. Cut CORNER MESH to workable lengths.
 - d. Apply mixed [ACROBASE® 60 OR 90] [ACRODRY™] [ACROTITE™] [ACROBASE® HB] 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 ACROMESH™ 4, INTERMEDIATE 6 or 12 reinforcing mesh over the entire surface of the CORNER MESH in accordance with 3.04 D.2.]
 2. [ACROMESH™ 4] [INTERMEDIATE 6] [INTERMEDIATE 12] reinforcing mesh.
 - a. Install [ACROMESH 4] [INTERMEDIATE 6] [INTERMEDIATE 12] at [].
 - b. Apply mixed [ACROBASE® 60 OR 90] [ACRODRY] [ACROTITE] [ACROBASE® HB] base coat to entire surface of insulation board with a stainless steel trowel to embed the reinforcing mesh.
 - c. Immediately place [ACROMESH 4] [INTERMEDIATE 6] [INTERMEDIATE 12] reinforcing mesh against wet base coat and embed the reinforcing mesh into the base coat by troweling from the center to the edges.
 - d. Lap reinforcing mesh 64 mm (2 1/2") minimum at edges.
 - e. Ensure reinforcing mesh is continuous at corners, void of wrinkles and embedded in base coat so that no reinforcing mesh color is visible.
 - f. If required, apply a second layer of base coat to achieve total nominal base coat/reinforcing mesh thickness of 1.6 mm (1/16").
 - g. Allow base coat with embedded reinforcing mesh to dry hard (normally 8 to 10 hours).
 - [3. [HI-IMPACT 20 & ACROMESH™ 4] [HI-IMPACT 20 & INTERMEDIATE 6] reinforcing mesh
 - a. Install [HI-IMPACT 20 & ACROMESH 4] [HI-IMPACT 20 & INTERMEDIATE 6] reinforcing mesh at [].
 - b. Apply mixed [ACROBASE 60 OR 90] [ACRODRY] [ACROTITE] [ACROBASE HB] base coat to entire surface of insulation board with a stainless steel trowel to embed the reinforcing mesh.
 - c. Immediately place HI-IMPACT 20 reinforcing mesh against wet base coat and embed the reinforcing mesh into the base coat by troweling from the center to the edges.
 - d. Butt HI-IMPACT 20 reinforcing mesh at all adjoining edges; do not use to backwrap or bend around corners.
 - e. Butt HI-IMPACT 20 reinforcing mesh at adjoining edges of CORNER MESH.
 - f. Ensure reinforcing mesh is free of wrinkles and embedded in base coat so that no reinforcing mesh color is visible.
 - g. After base coat with embedded reinforcing mesh is dry and hard (normally 8 to 10 hours), apply a layer of [ACROMESH 4] [INTERMEDIATE 6] reinforcing mesh over the entire surface in accordance with 3.04 C.2 to achieve total nominal base coat/reinforcing mesh thickness of 2.4 mm (3/32").]
- [E. Acrocrete [ACROCOTE® T] [ACROCOTESIL™ T] [ACROCOTE®] [ACROCOTESIL™]
1. Apply material to the base coat/reinforcing mesh in sealant joints with a high-quality, latex-type paintbrush.
 2. Work material continuously until a uniform appearance is obtained.
 3. Allow to dry thoroughly (approximately 24 hours) prior to application of sealant primer and sealant.]
- [F. Acrocrete ACROPRIMER™
1. Apply ACROPRIMER to the 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. ACROPRIMER shall be dry to the touch before proceeding to the Acrocrete finish coat application.]
- G. Acrocrete® finish coat
- [1. ACROTEX™ finish: [S05] [S10] [S15] [S20] [T15] [T20] [METALLIC ACROCOTE®].
- OR -
ACROTEXSIL™ finish: [S05] [S10] [S15] [S20] [T15] [T20]
 - a. Apply finish directly to the Acrocrete base coat/reinforcing mesh with a clean, stainless steel trowel.
NOTE: Certain colors may require the use of Acrocrete® ACROPRIMER™ over the Acrocrete base coat/reinforcing mesh prior to application of finish.]
 - b. Apply and level finish during the 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 other natural breaks and do not allow material to set up within an uninterrupted wall area.
 - e. Float finish to achieve final texture.]

- [2. [ACROQUARTZ™] [ACROMICA™] [ACROFLAKE™] finish coat
- a. Apply ACROPRIMER™ to substrate in accordance with current Acrocrete ACROPRIMER Product Bulletin. ACROPRIMER shall be of corresponding color for selected [ACROQUARTZ] [ACROMICA] [ACROFLAKE] finish color. Allow ACROPRIMER to dry to the touch before proceeding to [ACROQUARTZ] [ACROMICA] [ACROFLAKE] 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.
 - f. For a textured appearance, apply the second coat of finish using a spray gun and hopper.
 - g. Double-back to achieve final texture.
 - h. Total thickness of finish shall be approximately 1.6 mm (1/16").]
- [3. ACROSTONE™ finish
- a. Apply ACROPRIMER™ to substrate in accordance with current ACROPRIMER Product Bulletin. ACROPRIMER shall be of corresponding color for selected ACROSTONE finish color. Allow ACROPRIMER to dry to the touch before proceeding to ACROSTONE finish application.
 - b. Apply a coat of ACROSTONE 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 ACROSTONE finish to set until surface is completely dry prior to applying a second coat of ACROSTONE finish.
 - d. Apply a second coat of ACROSTONE finish using a spray gun and hopper; double back to achieve final texture.
 - e. Thickness of ACROSTONE finish may vary between 1.6 mm (1/16") and 3.2 mm (1/8"), depending upon texture.
- NOTE: Spraying of ACROSTONE 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.]**

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] [].

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BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as "BASF Wall Systems")

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 management of incidental moisture. The choices include water-managed EIFS, Acrowall-CP, and Acrowall-CBS. Acrowall 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 permission from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.] Consult BASF Wall Systems' Technical Services Department for specific recommendations concerning all other applications. Consult the Acrocrete web-site, www.acrocrete.com for additional information about products and systems and for updated literature.

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