INTRODUCTION
This specification is for Acrocrete Lamina applications to soffits and ceilings only on the following substrates: PermaBase® brand cement board (or other ASTM C1325 Type A Exterior approved cement boards); ASTM C1177 type sheathings including DensGlass™ exterior sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glass-mat sheathing, Weather Defense™ Platinum sheathing and GreenGlass® sheathing; poured concrete/unit masonry; stucco or exterior gypsum soffit board (ASTM C931).

Technical Information
Consult the BASF Wall Systems Technical Services Department 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
A. Acrocrete Direct Finish System: Soffit and ceiling direct finish system consisting of Base Coat, Reinforcing Mesh and Finish Coat.
B. Schedule of Acrocrete Finish Coat.

1.02 RELATED SECTIONS
Products installed, but not supplied under this section: concrete substrate; masonry substrate; cold-formed metal framing; sheet metal flashing and trim; perimeter flashings; sealants; metal support systems and gypsum board.

1.03 SUBMITTALS
Submit product data on Acrocrete Direct Finish System components, shop drawings, system samples, system manufacturer’s certificate of approval of applicator, system manufacturer’s letter that materials meet or exceed specified requirements, and system manufacturer’s installation instructions.

1.04 QUALITY ASSURANCE MEASURES
A. Manufacturer: More than 10 years in the EIFS industry, with more than 1000 completed EIFS projects.
B. Applicator: Approved by Acrocrete in performing work of this Section.
C. Regulatory Requirements: Conform to applicable code requirements for finish system.
D. Field Samples
   1. Construct one field sample panel for each color and texture, illustrating method of attachment, surface finish, color and texture, prepared using the same tools and techniques to be used for the actual application.
   2. Locate sample panel where directed.

1.05 DELIVERY, STORAGE, HANDLING AND SITE CONDITIONS
Comply with manufacturer’s recommendations regarding environmental conditions for its materials.

1.06 SEQUENCING AND SCHEDULING
A. Coordinate and schedule installation of Acrocrete Direct Finish 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.

1.07 WARRANTY
A. Provide Acrocrete one year direct finish materials coating replacement warranty for Acrocrete Direct Finish System installations under provisions of Section [017800] [ ].
B. Comply with Acrocrete project review requirements and notification procedures to assure qualification for warranty.
PART 2 - PRODUCTS
2.01 MANUFACTURERS

Acrocrete Direct Finish System manufactured by the Wall Systems operating unit of BASF Corporation (herein referred to as “BASF Wall Systems”).

2.02 MATERIALS

A. Acrocrete Adhesives/Base Coats:
   1. [ACROBASE 60] [ACROBASE 90] BASE COAT: 100% acrylic base coat, field-mixed with Portland cement, manufactured by BASF Wall Systems.

   - OR -

   1. ACRODRY: dry-mix base coat containing Portland cement, manufactured by BASF Wall Systems.

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. Acrocrete Reinforcing Mesh: MIL-Y-1140G; Balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with Acrocrete Direct Finish System components.
   1. ACROMESH 4: standard weight.

E. [ACROCOTE] [ACROCOTE T]: 100% acrylic-based coating; color [ ]; manufactured by BASF Wall Systems

F. Acrocrete Finish Coat: ACROTEX 100% acrylic resin finish; air cured, compatible with Base Coat; Finish color factor-mixed; color [ ] as selected; Finish texture [S05] [S10] [S15] [S20] [T15] [T20] as scheduled. Check product bulletins for complete application instructions and for the use of Acrocrete Coatings for priming sealant joints and priming of the Base Coat in certain applications.

PART 3 - EXECUTION
3.01 EXAMINATION

A. Verify project site conditions under provisions of Section [010000] [ ].

B. Acceptable substrates must be securely fastened per applicable building code requirements.

C. Examine surfaces to receive Acrocrete Direct Finish System and verify that substrate and adjacent materials are dry, clean, cured, sound and free of releasing agents, paint, or other residue or coatings. Verify substrate surface is flat, free of fins or planar irregularities greater than 6.4 mm in 3 m (1/4” in 10’).

D. Acceptable substrates are PermaBase® brand cement board (or other ASTM C1325 Type A Exterior approved cement boards); ASTM C1177 type sheathings including DensGlass™ exterior sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glass-mat sheathing, Weather Defense™ Platinum sheathing and GreenGlass® sheathing; poured concrete/unit masonry; stucco or exterior gypsum soffit board (ASTM C931). Control/Expansion joint type and placement shall be the responsibility of the architect/engineer and substrate manufacturer.

E. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the Acrocrete Direct Finish System.

3.02 PREPARATION

A. Protect all surrounding areas and surfaces from damage and staining during application of Acrocrete Direct Finish System.

B. Protect finished work at end of each day to prevent water penetration.

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.

3.04 APPLICATION

General: Apply Direct Applied Finish System materials in accordance with Specifications.

A. ACROCRETE Base Coat/Reinforcing Mesh: Base Coat shall be applied so as to achieve Reinforcing Mesh embedment with no Reinforcing Mesh color visible.

   1. Sheathed substrates:
      a. Apply mixed [ACROBASE 60] [ACROBASE 90] [ACRODRY] Base Coat to entire surface of substrate with a stainless steel trowel to embed the Reinforcing Mesh.
      b. Immediately place ACROMESH 4 Reinforcing Mesh against wet Base Coat and embed the Reinforcing Mesh into the Base Coat by troweling from the center to the edges.
      c. Lap Reinforcing Mesh 64 mm (2 - 1/2”) minimum at edges.
      d. Ensure Reinforcing Mesh is continuous at corners, void of wrinkles and embedded in Base Coat so that no mesh color is visible.
      e. If required, apply a second layer of Base Coat to achieve full Reinforcing Mesh embedment and specified Base Coat thickness.]
1. Concrete/Unit Masonry/Stucco Substrates
   a. Apply mixed [ACROBASE 60] [ACROBASE 90] [ACRODRY] Base Coat to entire surface of substrate with a stainless steel trowel to a thickness that will achieve minimum required Base Coat thickness for uniform appearance.
   b. If required, apply a second layer of Base Coat to achieve specified Base Coat thickness.
   c. Allow Base Coat to dry hard (normally 8 to 10 hours) before proceeding to application of ACROCOTE or ACROTEx Finish Coat.

   Note: Acrocrete Primers may be applied to dry Base Coat layer prior to Finish Coat. Application is done to help color uniformity and reduce suction of stucco, concrete and unit masonry substrates.

2. ACROCOTE
   1. Apply ACROCOTE to the Base Coat/Reinforcing Mesh in sealant joints with a high-quality, latex-type paint brush.
   2. Work ACROCOTE continuously until a uniform appearance is obtained.
   3. Allow ACROCOTE to dry thoroughly (approximately 24 hours) prior to application of sealant primer and sealant.

3. Acrocrete Finish Coat
   1. [S05] [S10] [S15] [S20] [T15] [T20]
      a. Apply and level Finish Coat during same operation to minimum obtainable thickness consistent with uniform coverage.
      b. Maintain a wet edge on Finish Coat by applying and texturing continually over the wall surface.
      c. Work Finish Coat to corners, joints, or natural breaks and do not allow material to set up within an uninterrupted wall area.
      d. Float Finish Coat to achieve final texture.

3.05 CLEANING
   Clean adjacent surfaces and remove excess material, droppings, and debris.

3.06 PROTECTION
   Protect finished work.

NOTE
BASF Wall Systems is an operating unit of BASF Corporation (herein referred to as “BASF Wall Systems”)

DISCLAIMER
This information and all further technical advice are based on BASF’s present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF reserves the right to make any changes according to technological progress or further developments. It is the customer’s responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.
©2010 BASF Corporation