

# Direct Finish System for Soffits and Ceilings Only

## INTRODUCTION

This specification is for 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), Fiberock® Aqua-Tough™ sheathing, poured concrete/unit masonry, e<sup>2</sup>XP™ by National Gypsum, GlasRoc® and GlasRoc® Type X by Certainteed, DensGlass Gold® sheathing (ASTM C1177), stucco or exterior gypsum soffit board (ASTM C1396).

## TECHNICAL SUPPORT

Consult our Technical Services Department at 800-589-1336 for specific recommendations concerning all other applications. Consult the Acrocrete® web site, [www.acrocrete.basf.com](http://www.acrocrete.basf.com), for additional information about products and systems and for updated literature.

## PART 1 - GENERAL

### 1.01 SECTION INCLUDES

- A. ACROWALL 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 ACROWALL 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

- 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 AND HANDLING

Comply with manufacturer's recommendations regarding environmental conditions for its materials.

### 1.06 SEQUENCING AND SCHEDULING

- A. Coordinate and schedule installation of ACROWALL 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<sup>®</sup> one-year finish materials coating replacement warranty for ACROWALL DIRECT FINISH SYSTEM installations under provisions of Section [01700] [01740] [    ].
- B. Comply with Acrocrete project review requirements and notification procedures to assure qualification for warranty.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

ACROWALL DIRECT FINISH SYSTEM manufactured by BASF Construction Chemicals, LLC.- Wall Systems (herein after referred to as "BASF Wall Systems.")

### 2.02 MATERIALS

- A. Adhesives/base coats
  - 1. ACROBASE<sup>®</sup> 60 or 90 base coat: 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems.
  - OR -
  - 1. ACRODRY<sup>™</sup> base coat: 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<sup>®</sup> REINFORCING MESH: MIL-Y-1140G; Balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with ACROWALL DIRECT FINISH SYSTEM components.
  - 1. ACROMESH<sup>™</sup> 4: standard weight.
- [E. ACROCOTE<sup>®</sup> T: 100% acrylic-based coating; color [    ]; manufactured by BASF Wall Systems.]
- F. Acrocrete<sup>®</sup> finish coat: [ACROTEX<sup>™</sup> 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] as scheduled.]  
Check product bulletins for complete application instructions and for the use of Acrocrete<sup>®</sup> 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 [01039] [    ].
- B. Acceptable substrates must be securely fastened per applicable building code requirements.
- C. Examine surfaces to receive ACROWALL 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), DensGlass Gold sheathing, Fiberock Aqua-Tough Sheathing, exterior gypsum soffit board, unpainted and unglazed poured concrete and unit masonry, and Stucco.
- E. Control/Expansion joint type and placement shall be the responsibility of the architect/engineer and substrate manufacturer.
- F. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the ACROWALL DIRECT FINISH SYSTEM.

### 3.02 PREPARATION

- A. Protect all surrounding areas and surfaces from damage and staining during application of ACROWALL 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 ACROWALL DIRECT FINISH SYSTEM materials in accordance with Specifications.

A. Acrocrete® base coat/reinforcing mesh 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 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.]
- f. Allow base coat to dry hard (normally 8 to 10 hours) before proceeding to application of ACROCOTE® T or Acrocrete® finish coat.]

-OR-

[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® T or Acrocrete® finish coat.]

**Note: ACROPRIMER™ 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.**

[B. ACROCOTE® T

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

C. 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.

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**NOTE**

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](http://www.acrocrete.com) for additional information about products and systems and for updated literature.

**DISCLAIMER**

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