

Acrylitex Smooth Wall Guide Specification – Revised April 3, 2016

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Specifier Note: This manufacturer's guide specification specifies Acrylitex Smooth Wall paint coating for interior wall surfaces. This product is manufactured by Acrylic Technologies, Inc. Revise the section number and title below to suit project requirements, specification practices, and section content.

Specifier Note: This guide specification is a manufacturer-specific product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets []; delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

SECTION 09700
WALL FINISHES

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes: Acrylic paint coating applied to interior walls and ceilings.

Specifier Note: Revise paragraph below to suit project requirements. Add section numbers and titles per CSI MasterFormat and specifier's practice. In the absence of related sections, delete paragraph below.

B. Related Sections:

1. Division 9 Section - Paints and Coatings.

Specifier Note: Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list only those standard(s) referenced in this section. This article does not require compliance with standard, but instead is a listing of references used.

1.2 REFERENCES

Acrylitex Smooth Wall is specifically formulated and manufactured for use as a skim coat.

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A. American Society for Testing and Materials (ASTM):

1. C840-04a – Standard Specification for Application and Finishing of Gypsum Board. Sec 3.3.25 / Sec. 22.6.6.1 / Sec. X3.3 / X3.5.1 / X3.11 / X8.6.4.1

B. Gypsum Association

1. GA-214-M-97 Recommended Levels of Gypsum Board Finish. Sec. 3 Levels of Finish.

1.3 SYSTEM DESCRIPTION

- A. Design Requirements: Acrylic PVA primer and sealer for gypsum, concrete, and plaster .

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor either before, during, or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 1 Submittal Procedures Section.

1.4 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

- B. Product Data: Submit manufacturer's product data and installation instructions.

- C. Samples: Submit two selection samples, minimum size 6 inches square, representing actual finish of each coating type to be used [and applied to representative samples of the actual substrate materials].

Specifier Note: Article below should include prerequisites, standards, limitations, and criteria which establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 1 Quality Assurance Section. Retain, edit or delete text below to suit project requirements and specifier practice.

1.5 QUALITY ASSURANCE

A. Applicator Qualifications:

1. Utilize an applicator with demonstrated experience on projects of similar size and complexity.

B. Mock-ups: [Specify requirements for project mock-up].

1. Subject to acceptance by owner, mock-up may be retained and incorporated into finished work.
2. If mock-up is not incorporated into finished work, remove and properly dispose of mock-up.

C. Pre-Installation Meetings: Conduct a pre-installation meeting to verify project requirements and substrate conditions.

1. [Specify requirements for pre-installation meeting].

[Specifier Note: Article below includes special and unique requirements. Coordinate article with Division 1 Product Requirements Section.](#)

1.6 DELIVERY, STORAGE, AND HANDLING

A. General: Comply with Division 1 Product Requirements Section.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer:

1. Store materials in a dry area.
2. Protect materials from direct sunlight.
3. Store materials at a temperature between 40 degrees F (4 degrees C) and 90 degrees F (49 degrees C).

1.7 PROJECT/SITE CONDITIONS

A. Environmental Requirements:

1. Do not apply product to substrates having a moisture content exceeding 18%.
2. Do not apply product to a non-porous substrate.
3. Apply product when ambient temperature is between 50 degrees F (10 degrees C) and 90 degrees F (32 degrees C), in a relative humidity range of 20% to 80%.
4. Utilize forced air heating units installed in the structure.

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- a. Maintain structure at a minimum temperature of 50 degrees F for a period of 48 hours prior to application. Continue to maintain structure at that temperature through completion.
- b. Maintain new unoccupied structures at a minimum temperature of 50 degrees F until structure is occupied.

Specifier Note: Coordinate article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section.

1.8 WARRANTY

A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

1.9 MAINTENANCE

A. Extra Materials: Provide additional material for use by owner in building maintenance and repair.

B. Deliver extra touch-up materials to owner in original packaging with appropriate labeling.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards, and descriptions as applicable.

2.1 ACRYLIC SMOOTH WALL

A. Manufacturer: Acrylic Technologies, Inc.

1. Contact: 8914 NE Alderwood Road, Portland, OR 97220
Telephone (503) 282-2591
Fax: (503) 552-1441 Website: www.acrylitex.com.

B. Proprietary Product. Wall finish including the following:

1. ACRYLTEX SMOOTH WALL

- a. Material: PVA coating/sealer

2.2 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

2.3 EQUIPMENT

A. Application Equipment: Utilize manufacturer-recommended application equipment as follows:

1. Commercial grade airless sprayer equivalent to output of at least 1 gallon per minute or higher, 2700-3300 psig. Remove gun filter.

4. Accessories: Pole guns and sprayer tips.

Specifier Note: Subordinate or secondary items that aid and assist the primary products specified above, or are necessary for preparation or application of those items, are listed below. Retain article below for applications over concrete. Delete article for applications to other substrates such as gypsum wallboard. Revise to suit project requirements and specifier practice.

PART 3 EXECUTION

Specifier Note: Revise article below to suit project requirements and specifier's practice.

3.1 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions and recommendations of the wall finish system manufacturer.

3.2 EXAMINATION

A. Site Verification of Conditions:

1. Verify that conditions are satisfactory for application of wall finish.
2. Conduct moisture test on substrate using a handheld calibrated moisture meter to determine surface moisture percentage.
3. Do not apply product until moisture levels comply with manufacturer's requirements, and until unsatisfactory conditions are corrected.

3.3 PREPARATION

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- A. Protection: Mask all adjacent areas not specifically intended to receive coating system application.
- B. Product Temperature: Maintain product at minimum temperature of 50 degrees F or ambient temperature of structure prior to application.

Specifier Note: Retain, edit or delete paragraphs below to suit project requirements and specifier practice.

C. Preparation for All Surfaces:

- 1. Surfaces must be clean, dry, sound and properly cured.
- 2. Surfaces must be free of dust, dirt, oil, grease, mildew, fungus, efflorescence, loose paint or other contaminants.
- 3. Surfaces must be free of chalking, blistering, peeling, cracking and delamination.

D. Additional Preparation for Gypsum Wallboard Surfaces:

- 1. Product is bucket ready. No need to dilute. Product may need to be mixed if it has been stored for a long period. As with most paint, product should acclimate for 12 hours to the same temperature as the walls.
- 2. Walls need to be dust free, dry and ready for paint.
- 3. Mask the same as you would for paint.
- 4. Remove heavy dust residue from bottom of wall so dust doesn't blow upward on the wall. May use a pump up sprayer filled with water to spray a fine mist to keep the sanding dust from becoming airborne while spraying product. Stairwells are critical areas for dirt and dust kickback. Wipe or sponge down paper fuzz.
- 5. Tip size: Tips may range from 519 to 625.
- 6. Use a 30 mesh filter for your airless.
- 7. Do not allow product to freeze.

E. Additional Preparation for New Concrete and Masonry Surfaces:

- 1. Finish or grind concrete joints flat and level with adjacent surfaces.

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2. Fill concrete and masonry surface imperfections such as cracks and honeycomb with a non-shrinking cementitious patching compound such as Sonoborn GelPatch or a comparable product.
3. If necessary, pressure clean surface to remove all dirt, dust, grease, oil, form release agents, etc. Allow surface to dry thoroughly. If necessary, prepare new concrete and masonry surfaces by washing with a cleaning solution of two pounds of trisodium phosphate (TSP) mixed with one gallon of hot water. Allow 72 hours drying time before wall finish application.
4. Prime rust-stained areas with a sealing primer such as Kilz or a comparable product.
5. Determine alkalinity of the plaster substrate using a pH paper or Ph pencil. Acrylitex Smooth Wall is alkali resistant from 6 to 13 pH.

F. Additional Preparation for Plaster Surfaces:

1. If grease or oil is present on plaster surface, remove grease or oil using a cleaning solution of two pounds trisodium phosphate (TSP) mixed with one gallon of hot water/ Flush the surface with clean water and allow 72 hours drying time before wall finish application.
2. Determine alkalinity of the plaster substrate using a pH paper or Ph pencil. Acrylitex Smooth Wall is alkali resistant from 6 to 13 pH.

[Specifier Note: Coordinate article below with manufacturers recommended application requirements.](#)

3.4 APPLICATION

A. General:

1. Apply approximately 10-15 wet mils. Coverage 110-160 square feet per gallon. Sanding is optional. Product is designed to turn the wall white at 12 wet mils. One coat of 15 wet mils will dry to 6 mils.
2. Dry time is 4-6 hours per coat.
3. The application of the Acrylitex Smooth Wall is comparable to spraying any PVA product.

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4. Product should be applied to walls first to eliminate fallout on the sanding fuzz when spraying the ceiling.
5. Airless spray application. Pump pressure should be rated at 2700-3300 psi with an output of at least 1 gallon per minute. Product may be back rolled, but roller may leave a sizable stipple. The Acrylitex Smooth Wall has been designed mainly for spray application.
6. In tight areas, such as skylights, you may want to lower the pressure on your pump and use a smaller tip.
7. Once sprayed, open windows or doors to allow air circulation and ventilation of the area. In colder climates, you will need to remove the masking from the windows, crack the windows at least 4 inches and leave the heat on to warm the air in the room. This will allow condensation to escape.
8. Acrylitex Smooth Wall is a PVA product. Therefore, the wall will not need to be primed.

[Specifier Note: Coordinate article below with Division 1 Execution Requirements \(Cleaning\) Section.](#)

3.5 CLEANING

- A. Using methods recommended by manufacturer; clean all areas of wall finish soiled after application and prior to project completion.

3.6 PROTECTION

- A. Protect applied finish material from damage due to subsequent construction activity.