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**81260 StoColor® Climasan®
Acrylic-Based, Specialty Coating for
Interior Use Only**

**Section 09800
SPECIALTY COATINGS**

Notes in italics, such as this one, are explanatory and intended to guide the design/construction professional and user in the proper selection and use of materials. This specification should be modified where necessary to accommodate individual project conditions.

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STO GUIDE SPECIFICATION 81260 – StoColor Climasan®

PART 1 GENERAL

1.1 SUMMARY

- A. Provide acrylic-based primer and odor neutralizing finish coating for new or previously painted interior gypsum wall board and ceiling surfaces

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used. Include manufacturer's Safety Data Sheets.

1.3 REFERENCES

- A. U.S. Environmental Protection Agency (USEPA)
EPA Method 24 VOC
- B. South Coast Air Quality Management District (SCAQMD)
Rule 1113
- C. CARB (California Air Resource Board) conformance

1.4 QUALITY ASSURANCE

- 1. Conduct tests during coating installation as directed by design professional, building owner, or owner's representative/quality assurance agent to verify adhesion..

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in original packaging, labelled with product identification, manufacturer, batch number, and shelf life.
- B. Store products in a dry area with temperature maintained between 50 and 85 degrees F (10 and 29 degrees C). Protect from direct sunlight. Protect from freezing. Protect from extreme heat (>90 degrees F [32 degrees C]).
- C. Handle products in accordance with manufacturer's printed instructions.

1.6 WARRANTY

- A. Provide manufacturer's standard limited warranty.

Part 2 PRODUCTS

2.1 MATERIALS

- B. **StoPrime:** Acrylic-based, tinted, primer applied to interior gypsum wallboard or ceiling surfaces prior to application of StoColor® Climasan®:
 - 1. 80804 StoPrime, as manufactured by Sto Corp., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, Georgia 30331.
 - 2. Performance and Physical Properties: Meet or exceed the following values for material cured at 70 degrees F (21 degrees C) and 50 percent relative humidity (unless otherwise specified).

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- a. Application: Spray, roller, or brush.
 - b. Complies with US EPA (40 CFR 59), South Coast AQMD Rule 1113 VOC emissions standards < 50 grams/liter for architectural coatings
- C. **Finish Coating:** Interior single component acrylic-based flat wall and ceiling coating containing Visible Light Catalysts (VLC) that continuously degrade organic compounds and pollutants and remain active for as long as the coating is exposed to light.
1. 81620 StoColor® Climasan®, as manufactured by Sto Corp.
 2. Performance and Physical Properties: Meet or exceed the following values for material cured at 77 degrees F (25 degrees C) and 50 percent relative humidity (unless otherwise specified).
 - a. Application: Airless Spray, roller (3/8" – 1/2"), or brush.
 - b. Finish is Flat < 5 units at 60°
 - c. Complies with US EPA (40 CFR 59), South Coast AQMD Rule 1113 VOC emissions standards: < 50 g/L for architectural coatings, and CARB.
 - d. Solids Content: 37%, by volume.
 - e. Recommended film thickness Per Coat: 6-8 mils wet – 2.2-3.0 mils dry
 - f. Dry to touch at 2 hours – Recoat in 6 hours at 77 degrees F,(25 degrees C) and 50 percent relative humidity. Dry times vary depending on temperature, humidity, air movement, and other variables.

Part 3 EXECUTION

3.1 INSTALLATION

- D. Surface Preparation
1. All surfaces must be clean, dry, sound, and free of contamination such as mildew, dirt, grease, oils, salts, efflorescence and any other contamination that may affect adhesion.
 2. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas from contact due to mixing, handling, and installation of materials.
 3. For restoration areas, make any repairs with suitable filler, sand and prime as necessary following manufacturer's instructions. Glossy surfaces should be sanded to a dull finish. Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by chemical or mechanical means, prime as necessary.
- E. Mixing
1. Mix StoColor® Climasan® coating in accordance with published literature for the product. Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add clean water up to ½ pint per gallon.
- C. Application
1. Apply StoPrime to prepared substrate in accordance with written instructions presented on the Sto Product Bulletin.
 2. Apply StoColor® Climasan® at 6-8 wet mils, per coat, by brush, roller, or appropriate spray equipment. To achieve required film build it is recommended to apply two coats. Apply first coat directly to primed substrate and allow to dry completely before applying

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second coat. Final thickness of StoColor® Climasan® shall be 2.2-3.0 dry mils, per coat. (Refer to Surface Preparation for application over previously painted substrates)

3. To assure color uniformity, always intermix multiple containers of custom tinted and stock colors. Always paint to a natural break in the surface, such as a corner or edge. During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, and an even coat application. Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.

F. Protection

1. Ensure floor coverings and furnishing are protected with drop cloths and appropriate clothing is worn to protect against paint spatter while painting overhead. Read all product application instructions and documentation as well as additional reference materials made available by the manufacturer.
2. Provide protection of installed materials from dust, dirt, and continuous high humidity until they are fully dry.

END OF SECTION

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