

F.S.P.M.A. PAINT SPECIFICATION
DIVISION 9 - FINISHES
SECTION 09910 EXTERIOR COATING
FOR GENERAL EDUCATION FACILITIES USE

MP-45.4

ACRYLIC BASE EXTERIOR TEXTURED AGGREGATED COATING

I. SCOPE, USE AND CLASSIFICATION

- A. SCOPE: This specification covers an acrylic-based texture coating intended for use on exterior wall and ceiling surfaces such as wallboard, primed wood, primed metal, plaster, tilt up wall panels, stucco and masonry. It may be applied to previously primed wood, plaster, tilt up wall panels, masonry or dry wall; surfaces that have been properly prepared. The texture provides excellent abuse-resistance, mold and mildew resistance while covering unsightly appearance of surface imperfections.
- B. USE: Glossy finishes should be dulled either by sanding or abrading prior to application of the texture. All new surfaces should be primed with a primer with mildew and algae resistant agents. Containers shall have labels, giving adequate use instructions, firmly secured to each container. Labels shall meet all federal regulation requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard in CFR 1910.1200.
- C. CLASSIFICATION: The texture covered by this specification shall be an aggregated coating of any of the following types:

- Type I - Smooth/Fine
- Type II - Medium and/or Medium Coarse
- Type III - Coarse

All tinted textures supplied to purchaser must meet all requirements of this specification, except pigment.

II. REQUIREMENTS

- A. MATERIALS The texture shall be formulated from materials as specified herein. Materials not specified shall be selected by the supplier and shall be subject to all the provisions of this specification. The texture shall be free from material which is known to be toxic to personnel under normal conditions.
1. PIGMENT. Suitable light-fast and alkali resistant pigments shall be used.
 2. VEHICLE. The vehicle shall be a mechanically stable aqueous dispersion of acrylic resin with excellent performance characteristics.
 3. RESTRICTED METALS: The texture shall comply with the latest requirements of the Federal, Florida State, City or Local Governments for maximum allowable restricted metals content.

4. VOC COMPLIANCE. The texture shall comply with the latest of the Federal, Florida State, City or Local Governments for maximum allowable VOC content at the time of purchase.

- B. QUANTITATIVE REQUIREMENTS. The paint shall conform to the quantitative requirements as specified in Table I.

TABLE I. QUANTITATIVE REQUIREMENTS

Characteristic	Tolerance Requirements	
	Minimum	Maximum
1. Dry time: Set-to-Touch, hours	3	4
2. Dry-to-Recoat, hours	12	16
3. Consistency, KU.	110	135
4. Water Vapor Permeability (Wet Cup Method)*	15	-
5. Resistance to Growth of Mold*	-	0

**In order to confirm compliance with this requirement(s) the vendor shall submit either a formal report from an independent laboratory or a confidential, notarized, legally-binding manufacturer's report indicating the method used and the laboratory results obtained for the specific brand submitted for certification.*

- C. QUALITATIVE REQUIREMENTS:

1. COLOR. The color of the texture specified in the contract or purchase order shall match that of the standard color chip. If a color other than white is required, the color shall match that of the standard color chip submitted by the purchaser with the bid.
2. CONDITION IN CONTAINER. The texture, when tested as specified in Table II, shall be free from extraneous material and shall show no more pigment settling or caking than can be reincorporated into a smooth homogenous state. In a freshly opened container, there shall be no rusting of the container.
3. STORAGE STABILITY IN A PARTIALLY FULL CONTAINER. The texture shall show no skinning after 48 hours when tested as specified in III C. After an additional 14 days, at 120° F., the same sample shall show no skinning, livering, curdling, or gummy sediment. It shall mix readily to a homogenous state.
4. STORAGE STABILITY IN UN-OPENED CONTAINER. All containers shall have sufficient preservatives to prevent spoilage for one year.
5. ODOR. The odor shall not be putrid during or after application.
6. ALKALI RESISTANCE: The dry texture, tested as in III. B., shall show no change in hue and no evidence of blistering softening or cracking.
7. MATERIAL SAFETY DATA SHEET (MSDS). An MSDS clearly identifying this product, filled out completely according to the Florida Right-to-Know Law, Chapter 442, Florida Statutes, MUST BE submitted with each sample submitted for certification.

III. TEST PROCEDURES FOR LABORATORY ANALYSIS

The failure of any test in this section shall constitute a failure of the product to conform to the specification. Unless otherwise noted, all test methods cited are the latest published revisions.

- A. PHYSICAL AND CHEMICAL PROPERTIES. The following tests shall be conducted in accordance with the methods specified in Table II.

TABLE II. TEST AND METHODS

Test	Methods
1. Condition in container	FTM Std. 141 C, Method 3011.2
2. Skinning	FTM Std. 141 C, Method 3012.1
3. Drying time: Set-to-Touch	ASTM D-1640
4. Drying time: Dry hard	ASTM D-1640
5. Viscosity, Krebs-Stormer	ASTM D-562
6. Alkali Resistance	According to III.B
7. Water Vapor Permeability (Wet Cup Method)*	ASTM 1653
8. Resistance to Growth of Mold*	ASTM D-3273

**In order to confirm compliance with this requirement(s) the vendor shall submit either a formal report from an independent laboratory or a confidential, notarized, legally-binding manufacturer's report indicating the method used and the laboratory results obtained for the specific brand submitted for certification.*

- B. ALKALI RESISTANCE. Prepare specimens for testing by using a 6-inch by 17-inch by 1/4 inch plain plate glass with a ground surface which has been cleaned as in Method 2012.1 of federal Test Method Standard No. 141 C. Apply texture with suitable applicator obtaining a dry film thickness of 20.0 (± 2) mil and a width of 5 1/2 inches. Allow texture to dry in a horizontal position for 120 hours days at 77(± 3)⁰F and 50(± 5)% relative humidity. Place 5 drops of 2% by weight aqueous sodium hydroxide solution on the texture and immediately cover the surface with a 50 mm watch-glass. After 2 hours, remove the watch-glass, wash off the solution. Allow 2 hours for recovery and examine for compliance with II.C.6.
- C. STORAGE STABILITY IN PARTIALLY FULL CONTAINER. Determine skinning after 48 hours in accordance with Federal Test Method Standard 141 C, Method 3021.1, except use a 3/4 filled pint, multiple friction-top can. Then reseal and store for 14 days at 120°F. Check for compliance with II C.3.

IV. METHODS OF SAMPLING, INSPECTION AND OTHER TESTS

- A. SAMPLING: At the option of the purchaser, representative samples shall be taken from deliveries made under this invitation and submitted for quality control testing. If the purchaser's sample fails, the manufacturer shall pay for the actual cost of testing. Failure of any sample so taken to comply with the specification requirements shall invalidate any purchase contract made under this invitation unless the manufacturer

requests a repeat quality control test. This second sample shall be from the same batch. The manufacturer shall pay for the second quality control test should the sample fail, and this invalidates any purchase contract made under this invalidates. If the second sample passes, the manufacturer is not responsible for paying the actual cost of the test, and results obtained from the second quality control test shall prevail.

- B. INSPECTION: Physical inspection of package, condition, quantity, and labeling shall be made at point of delivery by the purchaser. MSDS shall be submitted with each shipment in accordance with the Florida Right-to-Know Law, Chapter 442, Florida Statutes, and shall be identical to the MSDS supplied for initial certification.

NOTE: TESTING TO MEET THIS SPECIFICATION DOES NOT INCLUDE AN IN-USE PERFORMANCE TEST. ALL EDUCATIONAL AGENCIES SHOULD CONSIDER AN IN-USE PERFORMANCE TEST BEFORE PURCHASING THIS PRODUCT.

ORIGINAL MP-45.0 - APPROVED on February 4, 2004
REVISION MP-45.1 - EFFECTIVE MAY 18, 2006
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PRESIDENT FLORIDA SCHOOL PLANT MANAGEMENT ASSOCIATION

CHAIR FSPMA PAINT SPECIFICATIONS COMMITTEE