

F.S.P.M.A. PAINT SPECIFICATION

DIVISION 9 - FINISHES
SECTION 09910 EXTERIOR PAINT

FOR GENERAL EDUCATION FACILITIES USE

MP-33.2

BLOCK FILLER, LATEX BASE, INTERIOR, EXTERIOR, FLAT WHITE

I. SCOPE, USE AND CLASSIFICATION

- A. SCOPE: This specification covers latex block filler for application to interior/exterior concrete, stucco, and masonry surfaces which have been properly prepared.
- B. USE: Containers shall have labels, meeting ANSI standards and 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 paint covered by this specification shall be a ready, mixed block filler consisting of latex resins and alkali resistant pigments.

II. REQUIREMENTS

- A. MATERIALS. The paint 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 paint shall be free from material which is known to be toxic to personnel under normal conditions of use.
 - 1. PIGMENT. The pigment shall contain a minimum of 3.0% of Type II, III, IV titanium dioxide pigment (ASTM D 476), and a maximum of 97% extenders and tinters, with all percentages by weight of dry pigment.
 - 2. VEHICLE. This vehicle shall be a stable aqueous dispersion of resin prepared by emulsion polymerization.
 - 3. RESTRICTED METALS. The paint 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 paint shall comply with the latest requirements of the Federal, Florida State, City or Local Governments for the 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. Titanium dioxide (Types II, III, and IV TiO ₂) % by wt. of pigment*.	3.0	-
2. Total solids, % by wt. of paint.	65.0 (-2)	-
3. Weight per gallon of paint, lbs.	13.5(-0.5)	-
4. Consistency, K.U.	105 (-4)	135 (+4)
5. Drying time to recoat, hours.	-	24
6. Vehicle solids, % by wt. of paint.	6.7	-
7. Nonvolatile matter, % by volume of paint*.	48	-

**In order to confirm compliance with this requirement 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 paint 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 paint, when tested as specified in Table II, shall be free from grit, seeds, skins, lumps, and livering, 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 UNOPENED CONTAINER.** All containers shall have sufficient preservatives to prevent spoilage for one year.
4. **FUNGUS PROPERTIES.** The paint shall contain no mercury, but shall contain fungicidal protection equivalent to 0.1% mercury as metal by total weight of paint. In order to confirm compliance with this requirement 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.
5. **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.
6. **ODOR.** The odor shall not be putrid during or after application.

7. STORAGE STABILITY IN A PARTIALLY FULL CONTAINER. The paint shall show no skinning after 48 hours when tested as specified in III.B. After an additional 14 days, at 120 °F, the same sample shall show no skinning, livering, curdling, hard caking, or gummy sediment. It shall mix readily to a homogenous state and the viscosity change shall not be greater than ± 10 K.U.

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
Condition in container.	FTM Std. 141C, Meth. 3011.2
Weight per gallon.	ASTM D 1475
Total solids, % by wt. of paint.	ASTM D 3723
Drying time to recoat.	ASTM D 1640
Consistency, Krebs-Stormer.	ASTM D 562
Analysis of TiO ₂ pigment.	ASTM D 1394, Aluminum Reduction Method (Not currently tested by M-DCPS)
Nonvolatile Vehicle.	ASTM D 3723
Nonvolatile matter (% by volume)	ASTM D 2697

- B. STORAGE STABILITY IN PARTIALLY FULL CONTAINER. Determine skinning after 48 hours in accordance with Federal Test Method Standard No. 141C, 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.7.

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 invitation. 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-33.0 APPROVED October 29, 1991
REVISION MP-33.1 EFFECTIVE June 1, 1995
REVISION MP-33.2 EFFECTIVE September 16, 2008

PRESIDENT FLORIDA SCHOOL PLANT MANAGEMENT ASSOCIATION

CHAIR FSPMA PAINT SPECIFICATIONS COMMITTEE