

MATERIALS/ PAINTS

FNHA-2-J-105.00

JOHN DEERE HIGH SOLIDS GREEN ENAMEL- BELLEVILLE PLANT**1. SCOPE**

1.1 The material defined by this specification is a VOC complying, high solids enamel suitable for exterior exposure used on JOHN DEERE products. The coating must have written approval from Deere & Co. prior to use by New Holland.

1.2 This specification may involve hazardous materials, apparatus and procedures. This specification does not address the health and safety problems, if any, associated with its use or application. It is the specification user's responsibility to follow appropriate safety or health practices, and determine the applicability of regulatory limitations prior to use.

2. APPLICATION

This specification was released originally for material used as the final color coat on tractors or implements and their parts. It shall be satisfactory for use over specified primers.

3. RELATED STANDARDS

86505483(FNHA-2-J-005.00) - Color Designation
86507635(FNHA-2-J-001.00) - Test Procedures

4. DESIGNATION

This specification is intended to identify a specific paint for supplier purposes. This specification designation shall not appear on Engineering drawings.

5. REQUIREMENTS

5.1 The specific paint shall meet the PERFORMANCE REQUIREMENTS as listed on Table 1 and WET REQUIREMENTS on Table 2.

5.2 COMPOSITION**5.2.1 VEHICLE**

The fixed vehicle shall essentially be a non-drying oil modified alkyd resin. The proportion of solvents in the volatile portion are to be so arranged that the enamel will level out satisfactory on spray application. The volatility of the solvents is to be balanced so that a spray coat will give a dried film of 0.0015 to 0.002 in. (38 - 51 microns) without sagging and with satisfactory freedom from roughness or dry spray.

5.2.2 PIGMENT

The enamel shall be balanced and blended so that the finished enamel matches the NEW HOLLAND John Deere green JDM F9A 86505496 per standard 86505483 (FNHA-2-J-005.00).

6. SUPPLIER RESPONSIBILITY

6.1 Suppliers shall perform the necessary tests for sample approval when required. After this approval, suppliers are not required to perform the specific test procedures listed unless requested by FNHA. Suppliers are responsible for insuring that their product will conform to the specification limits when tested by the specified methods. The specified methods will be used to reconcile disputed values. All test designations are latest issue unless otherwise specified.

6.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to making any changes in the properties, composition, construction, color, processing or labeling of the material originally approved under this specification, whether or not such changes affect the material's ability to meet the specification requires written notification to

					NAME	STD JD GREEN BV	
					 NEW HOLLAND	ENGINEERING SPECIFICATION	
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Purchasing and the other affected Materials Engineering activity. Test data, test samples and a new code identification are to be submitted with

the request. Supplier must have the written acknowledgement and approval of the Materials Engineering activity prior to initiating any changes.

TABLE 1 - Performance Requirements

PROPERTIES	UNITS	SPECIFICATION HIGH SOLIDS ALKYD	TEST METHODS
TEST PANEL PREPARATION	NONE	MATCH PRODUCTION	86507636
COLOR	D E	1.0 MAX	86507637
INITIAL GLOSS	UNITS	90 MIN	86507638
FILM THICKNESS	MILS	1.5-2.0	86507641
HARDNESS	PENCIL	6B INITIAL/ HB FINAL	86507643
IMPACT-TOUGHNESS	POUNDS	20 DIRECT & REVERSE	86507644
ADHESION	UNITS	3B MIN	86507645
WRINKLE RESISTANCE	NONE	NO DEFECTS	86507646
OVERBAKE	D E	1.0 MAX	86507647
SALT SPRAY	HOURS	480	86507648
HUMIDITY RESISTANCE	HOURS	240	86507649
CHEMICAL EXPOSURE	NONE	NO EFFECT	86507650
WATER SPOT RESISTANCE	NONE	NO EFFECT	86507651
RECOATING OF FINISHES	NONE	NO LIFTING	86507652
EXPOSURE - GLOSS RETENTION COLOR RETENTION	UNITS D E	65 (1 YR. FLA.) 4.0 MAX	86507653
DRYING	NONE	MATCH PRODUCTION	86507656
APPLICATION	NONE	MEET PROD. REQMTS.	86507657
DECAL ACCEPTANCE	NONE	PASS	86507662
ACCELERATED WEATHERING (340 BULB) - GLOSS RETENTION COLOR RETENTION	UNITS D E	60 MIN 4.0 MAX	86507663
DEW POINT DULLING	NONE	NO EFFECT	86507664
FREEZE-THAW RESISTANCE	CYCLES	10	86507666
MANURE RESISTANCE	DAYS	7 WHEN REQD.	86507667
PRIMER-TOPCOAT COMPATIBILITY	NONE	NO LIFTING OR LOSS OF GLOSS	86507668
WATER IMMERSION	HOURS	96 AND 240	86507670

TABLE 2 - Wet Requirements

PROPERTIES	UNITS	SPECIFICATION	FNHA TEST METHODS
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	NAME STD JD GREEN BV			PART NUMBER 9828322	
	ENGINEERING SPECIFICATION			REV. B	FRAME 2