

MATERIALS/ PAINTS

FNHA-2-J-104.00

**HIGH SOLIDS FORD BLUE 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 NEW HOLLAND products.

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 86505483(FNHA-2-J-005.00) standard in color and luster.

**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 NHA. 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,

|            |         |     |         |        |                                                                                                                                                                                                        |                  |                                                                                                            |  |      |
|------------|---------|-----|---------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------|--|------|
|            |         |     |         |        | NAME                                                                                                                                                                                                   | STD FORD BLUE BV |                                                                                                            |  |      |
|            |         |     |         |        |  <b>NEW HOLLAND</b>                                                                                                 |                  | ENGINEERING SPECIFICATION                                                                                  |  |      |
|            |         |     |         |        |                                                                                                                                                                                                        |                  |                                                                                                            |  |      |
|            |         |     |         |        |                                                                                                                                                                                                        |                  | FRAME 1                                                                                                    |  | OF 3 |
|            |         |     |         |        |                                                                                                                                                                                                        |                  | PART NUMBER                                                                                                |  |      |
| ALL        | B       | RLF | 110274  | JUL 97 | THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND NORTH AMERICA, INC. AND/OR NEW HOLLAND CANADA, LTD. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED. |                  | 86502251                                                                                                   |  |      |
| ALL        | A       | RE  | 104739  | 931015 |                                                                                                                                                                                                        |                  |                                                                                                            |  |      |
| FRAME NO.  | REV     | BY  | ECN NO. | DATE   |                                                                                                                                                                                                        |                  |                                                                                                            |  |      |
| APP.       | DRAWN   |     | PASSE   | AUG 93 |                                                                                                                                                                                                        |                  |                                                                                                            |  |      |
| KHH OCT 93 | CHECKED |     |         |        |                                                                                                                                                                                                        |                  |  Document Sharing Hub |  |      |

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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 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<br>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                                                                  | PERCENT      | 95                                 | 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<br>COLOR RETENTION                             | UNITS<br>D E | 55 (1 YR. FLA.)<br>4.0 MAX         | 86507653     |
| DRYING                                                                    | NONE         | MATCH PRODUCTION                   | 86507656     |
| APPLICATION                                                               | NONE         | MEET PROD. REQMTS.                 | 86507657     |
| DECAL ACCEPTANCE                                                          | NONE         | PASS                               | 86507662     |
| ACCELERATED WEATHERING (340 BULB) -<br>GLOSS RETENTION<br>COLOR RETENTION | UNITS<br>D E | 65 MIN<br>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<br>LOSS OF GLOSS     | 86507668     |
| WATER IMMERSION                                                           | HOURS        | 96 AND 240                         | 86507670     |



NAME

STD FORD BLUE BV

ENGINEERING SPECIFICATION

REV.  
BFRAME  
2OF  
3

PART NUMBER

86502251



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