



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

ENGINE ENAMEL, AIR DRYING
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SS-M1J9551-A
SS-M1J9551-B
SS-M1J9551-C

1. SCOPE

The material defined by this specification is an air drying enamel suitable for exterior surfaces.

2. APPLICATION

This material is generally used for painting engine assemblies and engine components as specified. SS-M1J9551-A and SS-M1J9551-B shall be suitable for airless and/or electrostatic spray application. SS-M1J9551-C for brush application.

3. REQUIREMENTS

3.1 COMPOSITION

3.1.1 Vehicle

The vehicle shall be a suitable resin or resin mixture to obtain the desired resistance and application properties.

3.2 PHYSICAL PROPERTIES

3.2.1 Non-Volatile (FLTM EU-BI 2-1)

According to initial sample report +/- 1 % but minimum 11 %.

Date	Release No.	Released
1994 12 19		Revised and Retyped was: 12 Pages
1984 03 21	B/701888 TP	Completely Revised
1982 06 24	B/656705 TP	Last Release

WP 3948-a

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3.2.2 Viscosity
(FLTM EU-BI 11-1)

3.2.2.1 Package Viscosity, min

SS-M1J9551-A/B	20 s FC 4/25 C
SS-M1J9551-C	100 s FC 4/25 C

Production may require higher viscosity in order that part performance levels are obtained. Batch variations shall not exceed ± 2 s for SS-M1J9551-A/B and ± 5 s for SS-M1J9551-C of the viscosity authorized by the affected Manufacturing area.

3.2.2.2 Test Viscosity

SS-M1J9551-A

Initial samples shall be supplied at viscosity of 20 ± 2 s FC 4/25 C. Samples take from production shipments must be tested at 20 ± 2 s FC 4/25 C and if in excess of this must be reduced to this viscosity. The supplier shall state and supply suitable solvent for this purpose when required.

SS-M1J9551-B

As before, but 28 ± 2 s FC 4 at 25 C.

SS-M1J9551-C

As before, but 100 ± 5 s FC 4 at 25 C.

3.2.3 Density
(FLTM EU-BI 2-2)

Must not deviate from initially approved sample by more than ± 0.05 .

3.2.4 Flash Point

The flash point shall conform to the safety regulations applicable to the plant and/or country where the material shall be used.

3.2.5 Dry Hiding Power, max
(FLTM EU-BI 58-1)

SS-M1J9551-A	5 micrometre
SS-M1J9551-B/C	20 micrometre