



CAVITY WAX, CORROSION PROTECTION
AUTOMOTIVE CAVITIES
SOLVENT BASED, min 80% SOLIDS

WSS-M7C79-B

CAVITY WAX, CORROSION PROTECTION
AUTOMOTIVE CAVITIES
SOLVENT BASED, min 40% SOLIDS

WSS-M7C79-B2

1. SCOPE

The material defined by this specification is solvent based rust preventive compounds and contain an UV-marker.

2. APPLICATION

This specification was originally released for cavity waxes sprayed into box sections below the floor panel (rocker panel, side and cross members, etc.), in the engine compartment and to lower areas of pillars, doors, hood and tailgate.

They are applied to the vehicle body after the paint process, prior to final assembly.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements for Production Materials (WSS-M99P1111-A).

3.2 MATERIAL PROPERTIES

3.2.1 Non Volatile Content (B only) min 80% (+/-2%)
(FLTM BI 102-01)

3.2.2 Non Volatile Content (B2 only) min 40% (+/-2%)
(FLTM BI 102-01)

3.2.3 Rheology

A flow diagram to identify the characteristic properties of the material shall be added to the Initial Sample Report, together with a list of the relevant test parameter (temperature, shear rate, time, etc.) and equipment details

3.2.4 Creeping Power
(FLTM BJ 128-02, Method A)

At 23°C min 20mm (+/-2mm)

At 60°C min 35mm (+/-2mm)

Date	Action	Revisions	Rev 01
2015 02 10	B2 Activated	See Summary of Revisions	U. Mueller, EU
2011 07 13	Activated	New Specification	U. Mueller, EU



3.2.5 Drying
(Film thickness on test panels 35 +/- 5 µm)

After drying the material must be drip free.

Drying Time
(23 +/- 2 °C for 5 minutes)

3.2.6 Storage Stability

6 months at 32 °C
3 months at 40 °C

General storage must be frost free.

After the storage, the material shall not show separation or coagulation and must meet all specification requirements.

3.3 PERFORMANCE PROPERTIES

Wax according to these specifications must meet all requirements of WSS-M21P35-A.

3.4 REMOVAL

The wax film must be removable from automotive topcoats and application facilities at any time without damaging the painted surface. The supplier must recommend a suitable solvent/cleaner process in the Initial Sample Report.

Relevant topcoat systems are: Body enamel, catalyzed repair enamel, plastic paint, repair paint materials.

4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of these specifications. Contact gmfs@ford.com for questions concerning Engineering Material Specifications.

4.1 MATERIAL REFERENCE

All related materials used for approval of cavity wax according to this specification, e.g. substrate, paint materials, solvents, etc. as well as the application parameter (Density at 23 °C, Flash point, viscosity curves, film thickness, drying conditions and Flow rate at (FLTM BJ 128-01, apply 0.1ml droplets) shall be noted in the Initial Sample Report of the wax.

5. SUMMARY OF REVISIONS

2015 02 10

- Ordered 3.2.2 to 3.2.3, 3.2.3 to 3.2.4, 3.2.4 to 3.2.5, 3.2.5 to 3.2.6
- Corrected 3.2 and 3.3
- Added B2 suffix