



**RUST PREVENTIVE, WAX, SOLVENT BASED, UNDERBODY
PROTECTION, HIGH SOLID CONTENT**

WSK-M7C80-A2

**RUST PREVENTIVE, WAX, SOVENT FREE, UNDERBODY
PROTECTION, BLACK**

WSK-M7C80-A4

1. SCOPE

The materials defined by these specifications are a solvent based high rust preventive compound with minimum 85% solid content solid and solvent free based with minimum 99 +/- 1% solid content.

2. APPLICATION

These specifications were released originally for material used as corrosion protective compound for vehicle underbodies and underbody assembled parts. It forms a soft, homogenous film with good corrosion protective properties. The material is designed for application to the assembled vehicle.

3. REQUIREMENTS

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

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

3.5 PHYSICAL PROPERTIES

A2

A4

3.5.1 Non Volatile content, min
(FLTM BI 102-01)

85%

99%

3.5.2 Viscosity

See Initial Sample

3.5.3 Storage Stability, min

The storage stability must be adapted to the climate conditions at the individual plant.

Min storage conditions for all waxes:

and 6 months at 32 °C
6 months at 5 °C

Additionally for tropical climates:

3 months at 40 °C

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

Date	Action	Revisions	Ver 4
2008 04 11	Activated	Added WSS-M7C80-A4; Revised 3.5.1, 3.5.2, 3.5.4, 3.6.3, 3.6.4 3.6.5, 3.7.1, 3.8.4, 3.8.5; Deleted 3.4 & 3.8.3	U. Mueller
2004 03 12	Revised	Para 3.0 inserted; paras 3.1, 3.2, 3.3, 3.13 and 4 deleted	
1995 06 02	Released	EP00E10521613000	



- 3.5.4 Density (ASTM D 1475) See Initial Sample +/- 0.05 g/mL

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

3.6 PREPARATION OF TEST PANELS

- 3.6.1 Substrate (FLTM BJ 106-01, Solvent wiped)

Ford Standard Steel Panels according to SAE J403 Steel or UMA 18006, if not otherwise required.

- 3.6.2 Wax Application

Prior to application the wax must be stirred for 15 minutes or as recommended by the supplier.

The wax may be applied airless or by air assisted spray in one coat without intermediate flash off.

The panel back side may be protected by a thin wax layer during the following tests. Edges shall not be protected by any additional action.

	A2	A4
3.6.3 Application Temperature	20 – 25 °C	35 -40 °C
3.6.4 Drying Time (23 +/- 2 °C)	5 minutes	60 minutes
3.6.5 Dry Film Thickness (FLTM BI 156-01 or gravimetrically)	See Initial Sample	>100µm

3.7 DRY FILM PROPERTIES

- 3.7.1 Color Light beige or acc. to the Initial Sample Black
- 3.7.2 Appearance Smooth homogeneous film
- 3.7.3 Water Resistance

The wax film shall be resistant against water impingement immediately after drying per para 3.6.4.

- 3.7.4 Removal

The wax film must be removable at any time by a suitable solvent as recommended by the supplier.