



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

PAINT, UNDERBODY, WATERBASED, RECYCLED, DARK GREY

WSK-M62J37-A

1. SCOPE

The material defined by this specification is a water borne paint for underbody automotive applications. It is based on recycled overspray from water based primer ESK-M62J32-A.

2. APPLICATION

This specification was originally released for material used as protective underbody paint on baked EC surfaces. The paint is suitable for electrostatic and pneumatic spray application.

3. REQUIREMENTS

3.1 STATISTICAL PROCESS

Suppliers must conform to the requirements of Ford Quality System Standard Q-101. A mutually acceptable Control Plan as described therein is required for material/source approval. Appropriate statistical tools must be used to analyze process/product data so that variation in the final product is continuously reduced.

3.2 INFRARED SPECTROPHOTOMETRY AND/OR THERMAL ANALYSIS

Ford Motor Company, at its option, may conduct infrared and/or thermal analysis of material/parts supplied to this specification. The IR spectra and thermograms established for initial approval shall constitute the reference standard and shall be kept on file at the designated material laboratory. All samples shall produce IR spectra and thermograms that correspond to the reference standard when tested under the same conditions.

3.3 CONDITIONING

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Date	Release No.	Released
1994 07 08	EP00E10422670000	Released K. Wolters

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3.4.1 Vehicle

3.4.2 Pigments

3.5.1 Nonvolatile See Initial Sample +/- 1 %
(ELTM BI 102-01) min 40 %

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

3.5.3 Viscosity as supplied As specified by the supplier
(ELTM BI 111-01, FC #4)

3.5.4	Content of Organic Solvents, max	6 %
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3.5.5	Colour	Dark grey to black
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3.5.6 Storage Stability: 30 days

3.6 PREPARATION OF TEST PANELS

3.6.1 Substrate

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