



Engineering Material Specification

Material Name

PAINT, WATER BORNE - DIP - HIGH GLOSS BLACK

Specification Number

ESA-M62J15-A

1. SCOPE

The material defined by this specification is a high gloss water borne enamel paint.

2. APPLICATION

This specification was released originally for material used as an exterior coating for underbody chassis components such as front suspension control arms.

3. REQUIREMENTS

3.1	COLOR	Black
3.2	FLASH POINT, min (ASTM D 56-TCC)	90.5°C
3.3	VISCOSITY, min (FLTM BI 11-2, #4 Ford Cup at 25°C)	40 s
3.4	WEIGHT/LITRE, kg/L (FLTM BI 2-2, Regular Cup at 25°C)	0.99 to 1.03
3.5	SOLIDS, %, min (FLTM BI 2-1)	30
3.6	SPECIFIC GRAVITY, min (ASTM D 891, Method "C")	1.03
3.7	pH	8.2 - 8.5
3.8	DRY FILM THICKNESS, min (FLTM BI 17-1)	18 µm
3.9	SALT SPRAY RESISTANCE, min (ASTM B 117 on dip-coated, phosphated panels prepared in accordance with FLTM BI 3-2, Method "D")	96 h
3.10	ADHESION (FLTM BI 6-1)	
	As dipped panel	No loss
	Salt spray tested panel	90% Retention

Date	Para. No.	Revisions	Approval
			<i>[Signature]</i> 11-27-76
1979 01 10		Metricated and Retyped <i>CAH2 823385</i>	<i>[Signature]</i>
1977 06 01		Released CBG2-731255	

1978 11 30
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3.11 SUPPLIER'S RESPONSIBILITY

Material supplied to this specification must be equivalent to that originally approved. Changes in formulation or processing shall not be made without prior approval as described in Supplier Procedure I-A.

4. APPROVAL OF SUPPLIERS

Suppliers to this specification must be approved by the affected product engineering office. Procedure for gaining approval of a specific material to a new/existing ES-M specification is contained in Supplier Procedure I-A. Approved new suppliers will be added to the Engineering Materials Approved Source List.

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