

AEROSPACE MATERIAL SPECIFICATION



AMS 3138/1B

Issued OCT 1980
Revised JAN 1999

Superseding AMS 3138/1A

Submitted for recognition as an American National Standard

(R)

Coating Material, Fluorocarbon (FKM), Elastomeric Rain-Erosion Resistant, Black

1. SCOPE:

1.1 Form:

This specification covers a fluorocarbon (FKM) elastomeric coating material for fiber-reinforced-resin composite structures in the form of a two-component, brushable or sprayable liquid.

1.2 Application:

Primarily as a coating for protection of aircraft and missile radomes and other components from rain-erosion.

2. APPLICABLE DOCUMENTS:

See AMS 3138.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification:

The complete requirements for procuring the coating material described herein shall consist of this document and the latest issue of the basic specification, AMS 3138.

3.2 Material:

Shall be as specified in AMS 3138.

3.2.1 Color: Shall be black and of sufficient intensity to hide completely the surface of the substrate when applied at the specified coating thickness.

3.2.2 Primer: A primer or adhesion promoter may be used prior to application of the coating material and shall be used when recommended by the manufacturer. Primer shall be thermally stable and shall meet requirements of this specification when used according to manufacturer's instructions.

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