

H-09-16 H-11-04

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space®
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE MATERIAL SPECIFICATION

SAE AMS-3138/3

REV
A

Issued 1980-10-15
Revised 1990-07-01

Submitted for recognition as an American National Standard

COATING MATERIAL, FLUOROCARBON (FKM) ELASTOMERIC Rain-Erosion Resistant, Gray

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 gray and of sufficient intensity to hide completely the surface of the substrate when applied at the specified coating thickness, and shall closely match the applicable color chip of FED-STD-595.

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 manufacturer. Primer shall be thermally stable and shall meet the requirements of this specification when used according to manufacturer's instructions.

SAE Technical Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.