RATIONALE

This specification revision was issued as part of the SAE Five Year Review process.

NOTICE

ORDERING INFORMATION: The following information shall be provided to the processor by the purchaser.

1) Purchase order shall specify not less than the following:
   - AMS 2472F
   - Basis metal to be anodized
   - Required color
   - Special features, geometry or processing present on parts that requires special attention by the processor
   - Quantity of pieces to be anodized

2) Parts manufacturing operations such as heat treating, forming, joining and media finishing can affect the condition of the substrate and adversely affect the finished part. The sequencing of these types of operations should be specified by the cognizant engineering organization or purchaser and is not controlled by this specification.

1. SCOPE

1.1 Purpose

This specification establishes the requirements for dyed anodic coatings on aluminum alloys.

1.2 Application

This process has been used typically to increase corrosion resistance and to produce colored surfaces on aluminum alloy parts, but usage is not limited to such applications.

1.2.1 AMS 2470 or AMS 2471 should be specified for coatings to be used as a base for paint or other organic finishes. This process is not suitable for parts which contain joints or recesses in which the anodizing solutions may be retained.