



SURFACE VEHICLE RECOMMENDED PRACTICE

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Guidelines for Usage of Stainless Steel and
Bimetal for Exterior Automotive Bright Trim

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

Stainless steel and bimetal have been used extensively for many years on automotive molding systems, as well as functional systems. These alloys provide an economical option for automotive trim systems. Bright moldings have allowed designers to both enhance the appearance and differentiate models of the same platform.

When choosing materials for moldings that are attached to the body, consider the whole system: component being attached, method of attachment, location of the molding on the vehicle, and panel or structure to which the molding is attached. All the materials must be compatible, to preclude galvanic corrosion or other destructive interactions.

1. Scope—The scope of this SAE Recommended Practice is to give guidelines for design, processing, and material selection for stainless steel and bimetal exterior automotive moldings.

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J405—Chemical Compositions of SAE Wrought Stainless Steels

2.1.2 ALUMINUM ASSOCIATION PUBLICATION—Available from the Aluminum Association, Inc., 900 19th Street, NW, Washington, DC 20006.

Aluminum Standards and Data